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Earth-Venus Trajectories, 1965-66

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FOREWORD

This volume is one of a set of five giving key characteristics of Earth-to-Venus trajectories during the period 1964-1970. This period is divided into five 120-day launch intervals spaced about 19.2 months apart. During each interval, trajectory characteristics are given for flight times of from 70 to 220 days in 2-day steps. Thus each volume contains 9,120 trajectories.

The applicability of these books may be extended by noting the 8-year cyclic recurrence of Earth-Venus trajectories. Thus trajectories in 1972 are very nearly identical to 1964 trajectories; 1973 trajectories are very nearly identical to 1965 trajectories, etc. Simply by updating the trajectories by 8 years, the results may be reapplied.

It is intended that these books provide trajectory and guidance analysts with data, in volume, so that they may perform preliminary design studies, conduct investigations of the properties of ballistic interplanetary trajectories, and make interplanetary guidance and orbit determination analyses. While not exact, these trajectories are sufficiently accurate to be quite useful for the above purposes.

In generating such a large amount of data, it is impossible to check the correctness of each number. Should the reader detect any errors, the authors would appreciate being advised.

Companion volumes (Ref. 1) give the characteristics of Earth-Mars trajectories during the period 1964-1977.

I. INTRODUCTION

This report presents the results of extensive machine computations of three-dimensional ballistic interplanetary trajectories. The analytic model used to represent these trajectories is based upon two-body, inverse-square, force field mechanics. A brief explanation of the model is presented in Section II.

Basically, the trajectories are calculated in two distinct parts: (1) the heliocentric transfer ellipse and (2) the launch-planet-centered escape trajectories. Following these trajectories, differential corrections or error coefficients and guidance and tracking parameters are given.

A. Heliocentric Conic Computation

The heliocentric trajectory is obtained by specifying the launch date and flight time only. Given these, the positions of the launch planet on the launch date and the target planet on the arrival date may be obtained by interrogating the ephemerides. By assuming the planets to be massless, a unique heliocentric trajectory may then be computed which passes through the centers of the launch and target planets. Though this assumption may at first seem gross, experience has proved it to be perfectly reasonable for this purpose. After the solution has been obtained by an iterative procedure, the orbital elements, heliocentric position, and velocity vectors at launch and arrival are computed. Other heliocentric quantities of engineering interest are also computed.

B. Planetocentric Conic Computation

After the heliocentric orbit is obtained, the launch and arrival hyperbolic-excess velocity vectors are computed by subtracting the velocity vectors of the launch and target planets from the heliocentric launch and arrival velocity vectors of the probe. The launch hyperbolic-excess vector is, in fact, the most important result of these computations because it yields the energy and direction of fire required to achieve interplanetary transfer.

Further computations are done to exhibit properties of the near-Earth portion of the trajectories. Given the launch hyperbolic-excess vector, a launch site (Cape Canaveral), a launch azimuth, and certain properties of a typical interplanetary boost vehicle, and assuming a 100-nm parking orbit, quantities such as launch time, injection position and velocity vectors, parking orbit coast time, and injection time are computed. In essence, then, approximate trajectories are obtained from the

launch pad to the target. The terminal portions of the trajectories are assumed to impact vertically on the target planet.

C. Differential Corrections

To augment the trajectory parameters, differential corrections or error coefficients relating variations in the launch hyperbolic-excess velocity vector to variations in target miss and flight time are computed. Actually, the variables at launch in these coefficients are the square of the hyperbolic-excess speed, or *vis viva* energy C_3 , and the declination and right ascension of a unit vector S , collinear with the outgoing asymptote of the escape hyperbola. The target variables are the components of the impact parameter B , defined below, and the flight time. These coefficients are obtained by a numerical differencing technique developed by William Kizner of JPL.

Based upon these error coefficients, guidance and tracking parameters are calculated as described below.

D. Mid-Course Guidance

Interplanetary guidance is currently being accomplished by determining the orbit of the probe from radio tracking data and then applying one or more impulsive velocity corrections to null the predicted target error. The guidance task closely parallels the trajectory problem, for it is convenient to define the following guidance "phases":

1. Planetocentric phase, in which, after the launch vehicle has placed the probe on its escape hyperbola, the orbital elements of this trajectory are determined and the hyperbolic-excess velocity is corrected to the desired value.
2. Heliocentric phase, in which additional velocity corrections may be made to correct any error in orbit determination and/or maneuver execution in phase 1.
3. Approach phase, in which the probe is in the sphere of influence of the planet and the final vernier corrections may be made to trim the results of phase 2.

The preflight analysis of phase-1 guidance is primarily concerned with the statistical problem of determining how much propellant to carry aboard the spacecraft in

order to correct a "three-sigma" injection guidance error. These studies are well-documented elsewhere (Ref. 2-4) and will not be discussed here. Suffice it to say that correcting the hyperbolic-excess velocity is a reasonably good approximation to nulling the miss components at the planet. Such an analysis need only be concerned with the planetocentric phase of flight.

The analysis of the heliocentric phase is more complicated, since maneuvers there depend upon errors in applying the first midcourse maneuver (phase 1). In order to understand the effect of phase 1 errors, or to specify a tolerance on them, it is convenient to ask how a unit error in hyperbolic-excess velocity maps to miss at the target. This unit velocity error can be thought of as due to uncertainties in phase-1 maneuver execution and orbit determination. Conceptually, this analysis can be accomplished by letting a unit velocity error trace out a sphere at the tip of the hyperbolic-excess velocity vector and observing the semimajor and semiminor axes of the miss ellipse at the target (only two miss components are normally of interest). Mathematically, this is done by simply forming a matrix of the differential corrections, multiplying this matrix by its own transpose, diagonalizing the resulting symmetric matrix, and observing that the two diagonal terms are the desired semimajor and semiminor axes of the unit error ellipse.¹ It is easy to show that if the coordinate system chosen to describe the target error is collinear with these axes, the rows of the resulting differential correction matrix (which are gradient vectors) are orthogonal, and their norms are the magnitudes of the error-ellipse axes.

The approach guidance phase is not conveniently treated with this kind of analysis, and is not discussed further. Here, it can be assumed that the approach maneuvers are always negligibly small.

E. Orbit Determination

A spacecraft boosted toward Mars or Venus by the current generation of launch vehicles requires the accuracy obtainable using Earth-based radio guidance in order to accomplish most planet-oriented experiments. The steps in radio guidance are:

1. Track the transponder signal from the spacecraft from several stations located at a spread of latitudes to determine the orbit of the spacecraft.

¹It should be apparent to readers familiar with statistical concepts that this is equivalent to mapping a three-dimensional gaussian distribution of velocity errors, with unit standard deviation along each axis, to a two-dimensional gaussian distribution of position errors at the target.

2. Calculate the velocity changes required to alter the orbit to pass through the desired region at the target. The maneuver is then applied with a small rocket motor; the pointing direction and burning time (of the velocity increment) are calculated to perfectly correct the orbit if both the estimate of the orbit and the application of the maneuver are without error.
3. Track the spacecraft after the first maneuver for a sufficient interval to form a new estimate of the perturbed orbit.

This process of tracking and maneuvering may be repeated several times to achieve high accuracies at the target. There is, however, a limit to the process imposed by our uncertainties in the actual location of the target planet as well as the unpredictable forces acting on the spacecraft.

For extremely high accuracy at the target planet, on-board measurements must be used in conjunction with the Earth-based tracking in order to further reduce the above-mentioned uncertainties. It is not the function of this report to discuss on-board measurement systems but rather to describe the capabilities of current Earth-based radio guidance techniques when applied to interplanetary trajectories.

An adequate description of the accuracy to which orbits may be determined and maneuvers executed for the case of several corrective maneuvers is beyond the scope of this report. The results presented here may be strictly interpreted as corresponding to the accuracy capabilities for a single mid-course maneuver occurring anywhere between 1 and 14 days after injection. The relative contribution to the target uncertainty caused by orbit determination errors and mid-course execution errors depends directly upon the size of the correction required on a particular flight. For this reason, then, two error sources are considered separately. While our results do correspond to the single maneuver case, they are very valuable in providing a general description of the way in which these errors vary over the selected set of trajectories. Such utilization of the results is discussed later herein.

F. Accuracy of Computations

Extensive accuracy studies were performed to verify the adequacy of these trajectories for preliminary design use. Both Mars and Venus trajectories were computed on the JPL precision-integrating trajectory program using

initial conditions obtained from the approximate trajectories contained herein. Of 56 Mars cases run, 29 missed the target by less than 500,000 km; 16 missed by between 500,000 and 1,000,000 km; and 5 missed by between 1,000,000 and 1,500,000 km. The worst case missed by 3,500,000 km. For the flight time errors, 16 varied between 1 and 2 days; 14 varied between 2 and 3 days; and 9 were greater than 3 days. The worst case was 7.2 days. No systematic properties of these errors were noted except that they appear to get worse for the higher-energy trajectories.

For Venus, the accuracy was considerably better, averaging 322,000-km miss error and 0.67-day flight time errors. Based on these comparisons, the model used to generate the trajectories contained herein is considered to be adequate and the results suitable for preliminary mission design studies. These results are very useful for initializing the precision trajectory search program.

When used for the stated purposes, these trajectories provide an excellent source of data obtained at considerably less time and expense than precision cases.

II. ANALYTICAL MODEL FOR INTERPLANETARY TRAJECTORIES

The analytical model consists of three distinct phases of two-body motion: (1) an escape hyperbola near the launch planet, (2) elliptical² motion under the attraction of the Sun, and (3) terminal hyperbolic motion near the target planet.

A. Heliocentric Motion

Solution of the heliocentric elliptic motion is obtained first under the following assumptions:

1. The launch and target planets move in orbits about the Sun as given in the national ephemerides. Their velocity components are obtained by using two-body conic formulas, mean orbital elements, and their tabular positions as listed in the ephemerides.
2. The launch and target planets are massless. Thus the only force acting on the probe is that of the Sun.
3. The position of the probe at launch into the heliocentric orbit is the center of the massless launch planet. Its position at arrival on the heliocentric orbit is the center of the massless target planet.

Thus for solution to the heliocentric phase of motion, the attractions of the launch and target planets are temporarily disregarded. The primary result to be obtained from the solution of the heliocentric transfer problem is the hyperbolic-excess velocity vector relative to the launch planet.

1. Determination of Planar Orientation

Since the launch and arrival positions of the probe are assumed to be the centers of the launch and target planets, they can immediately be determined, given the launch and arrival³ times, by consulting the ephemeris. Further, the orientation of the heliocentric transfer plane can immediately be found. Let R_L be the Sun-launch planet position vector at launch time T_L , and let R_p be the Sun-target planet position vector at arrival time T_p (Fig. 1). Then, planar orientation is found from the unit normal W to the plane as follows:

$$W = \frac{R_L \times R_p}{R_L R_p \sin \Psi} \quad (1)$$

²Hyperbolic heliocentric motion is not considered herein.

³Or, for convenience, the launch date and flight time can be specified.

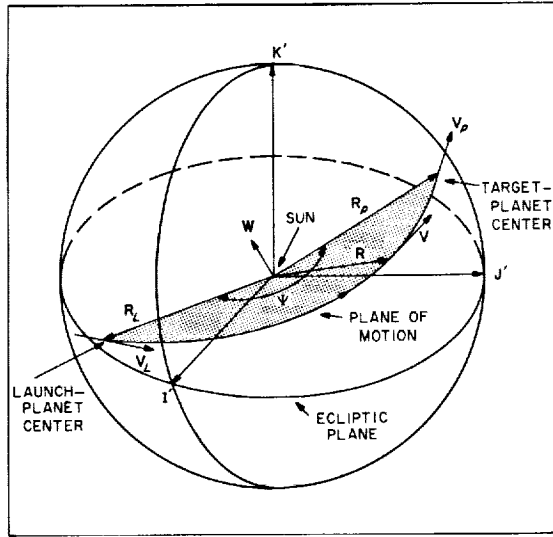


Fig. 1. Heliocentric transfer geometry

where the angle Ψ is defined below. The inclination⁴ i to the ecliptic plane can be found by

$$\cos i = \mathbf{W} \cdot \mathbf{K}' \quad (2)$$

where \mathbf{K}' is a unit vector pointing in the direction of the ecliptic north pole.

2. In-Plane Relations

The heliocentric central angle Ψ (Fig. 1) is also readily determined by utilizing the positions of the launch and target planets. This angle may be obtained from

$$\cos \Psi = \frac{\mathbf{R}_L \cdot \mathbf{R}_p}{|\mathbf{R}_L| |\mathbf{R}_p|} \quad (3)$$

$$\sin \Psi = \text{sgn} [(\mathbf{R}_L \times \mathbf{R}_p) \cdot \mathbf{K}'] (1 - \cos^2 \Psi)^{1/2} \quad (4)$$

The velocity vector \mathbf{V} of the spacecraft anywhere along its path may be obtained from

$$\mathbf{V} = \frac{V}{R} [(\mathbf{W} \times \mathbf{R}) \cos \Gamma + \mathbf{R} \sin \Gamma] \quad (5)$$

Here, \mathbf{R} is the heliocentric position vector, $R = |\mathbf{R}|$, and V is the heliocentric speed obtained from

$$V = \sqrt{(GM_s) \left(\frac{2}{R} - \frac{1}{a} \right)} \quad (6)$$

⁴In this report, we are interested only in transfers which have the same rotational motion about the Sun as the planets; thus, $0 \leq i \leq \pi/2$.

and the path angle Γ is found from

$$\sin \Gamma = \left[\sqrt{\frac{R}{(1-e^2)(2a-R)}} \right] e \sin v \quad (7)$$

In Eq. (6) and (7), GM_s is the universal gravitational constant times the mass of the Sun ($= 2.959122083 \times 10^{-4}$ au³/day²), a and e are the semimajor axis and eccentricity of the transfer ellipse, respectively, and v is the true anomaly of the probe given by

$$\cos v = \frac{a(1-e^2) - R}{eR} \quad (8)$$

3. Lambert's Theorem

Now there are two unknowns in Eq. (5)–(8) which prevent their immediate evaluation. These two unknowns are the semimajor axis a and the eccentricity e . The determination of these quantities is the main problem. Battin (Ref. 5) has shown that the eccentricity is actually a function of the semimajor axis. Thus it is first necessary to determine a . The semimajor axis is related to the time of flight T_F by Lambert's Theorem, which states: *The transfer time between any two points on an ellipse is a function of the sum of the distances of each point from the focus, the distance between the points, and the semimajor axis of the ellipse.* Functionally, the theorem is stated as

$$T_F = T_F(R_L + R_p, C, a) \quad (9)$$

where the distance C between the launch planet at launch time and the target planet at arrival time is shown in Fig. 2 and is obtained from

$$C = |\mathbf{R}_p - \mathbf{R}_L| \quad (10)$$

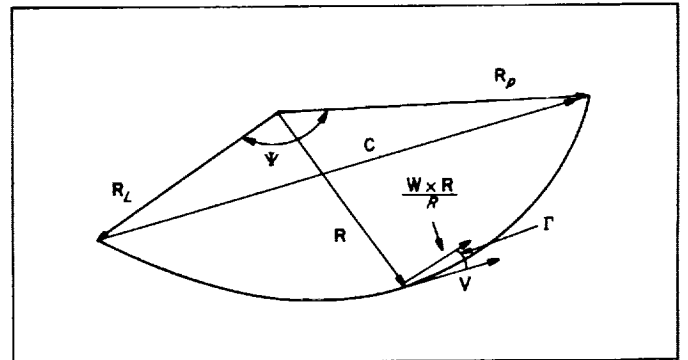


Fig. 2. In-plane transfer geometry

Since the time of flight T_F and the launch and arrival positions R_L and R_p are known, only the semimajor axis

remains to be found by iterative solution of Eq. (9). After the semimajor axis a is obtained, the heliocentric velocities of the probe at launch and arrival time V_L and V_p may be evaluated from Eq. (5) under the conditions $R = R_L$ and $R = R_p$. The path angles Γ_L , Γ_p and true anomalies⁵ v_L , v_p at launch and arrival times may also be evaluated from Eq. (8) and (7) under the same conditions.

Finally, the desired end result, the hyperbolic-excess velocity V_{hL} relative to the launch planet may be found (Fig. 3) by

$$V_{hL} = V_L - V_1 \quad (11)$$

where V_1 is the velocity of the launch planet at launch time.

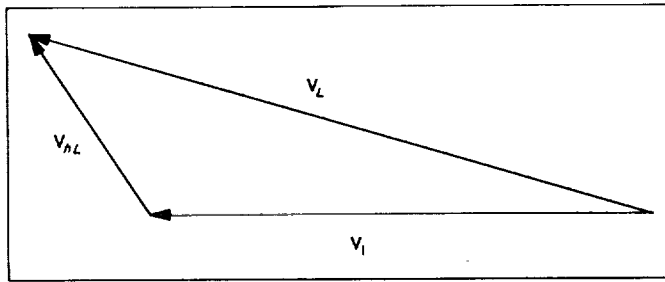


Fig. 3. Determination of the hyperbolic-excess velocity vector V_{hL}

B. Launch Planet Escape Hyperbola

The key result from the solution of heliocentric transfer is the hyperbolic-excess velocity vector V_{hL} at launch. The reason for the importance of this vector is that it tells the direction in which the probe must be traveling relative to the launch planet when just leaving its gravitational influence. There are an infinite number of escape trajectories (all hyperbolas) which can have the same hyperbolic-excess velocity vector. However, only a portion of these are practical for use when related to existing launch sites and boost vehicle constraints. For example, it would be ridiculously costly in payload—and impractical—to shoot a vehicle straight up. Criteria for selection of a family of feasible escape trajectories are given below.

1. Assumptions

The solution of the escape phase of motion is obtained under the following assumptions: (1) The probe is acted on only by the gravitational force of the launch planet, and (2) the oblateness effects of the launch planet are neglected.

The direction of the asymptote of the escape hyperbola is found by normalizing the hyperbolic-excess vector V_{hL} . The injection energy⁶ C_3 of the escape hyperbola is found by squaring the hyperbolic-excess speed, or

$$C_3 = V_{hL}^2 \quad (12)$$

Thus, in contrast to the heliocentric problem, the launch planet is now “massy,” while the influence of the Sun is neglected. However, the hyperbolic-excess velocity vectors found by solving the heliocentric problem are used as a starting point to solve the escape problem.

2. Size and Shape of the Escape Hyperbola

As previously stated, only some of the infinite number of escape trajectories are practical. Two of the practical aspects of a set of trajectories are the sizes and shapes of the hyperbolas.

Size is basically determined by the energy C_3 , which in turn is a function of boost vehicle capability. For boost vehicles in use (or shortly to be available) at this writing, values of energy less than or equal to $25 \text{ km}^2/\text{sec}^2$ are considered reasonable. The larger the value of energy that the booster is required to deliver, the smaller the payload and launch period over which the vehicle may be fired.

The shape of the hyperbola is determined by its eccentricity, which is a function of both the energy and perifocal distance according to

$$e = 1 + \frac{R_p C_3}{GM} \quad (13)$$

where R_p is the perifocal distance and GM is the universal gravitational constant times the mass of the launch planet. From Eq. (13) it can be seen that for a fixed perifocal distance the eccentricity increases linearly with the energy. The value of perifocal distance is not arbitrary, but depends strongly on the boost vehicle trajectory. It has been shown (Ref. 6) that in the great majority of cases it is necessary and desirable to use a circular parking orbit as part of the preinjection phase of the escape trajectory. It is further an interesting fact that the altitude of the parking orbit determines the perifocal distance. If h is the parking orbit altitude and R_0 is the launch planet's radius, then, to an extremely close degree of approximation,

$$R_p = R_0 + h \quad (14)$$

⁵The details of quadrant choice for these angles are found in Ref. 5.

⁶ C_3 is actually twice the total energy per unit mass, i.e., the *v*_∞ integral.

with the constraint that the Z component of \mathbf{W} is always positive.

Since \mathbf{R}_L' is a function of time, according to the rotation rate of the launch planet, the planar orientation must continually change. In effect, this says that the launch azimuth is a continuous function of launch time.

A detailed description of the geometrical aspects of the launch planet ascent trajectory is not given here but may be found in Ref. 6.

C. Differential Corrections

The calculation of differential corrections for interplanetary trajectories may be accomplished in several ways and depends on choice of independent and dependent variables. In this report, a numerical differencing scheme is used. Basically, the independent variables—the injection energy C_3 , declination Φ_s , and right ascension Θ_s of the outgoing asymptote \mathbf{S} of the escape hyperbola—are varied, one at a time, to produce variations in the dependent variables—the components of the impact parameter \mathbf{B} and the time-of-flight T_F .

The impact parameter \mathbf{B} is defined as a vector originating at the center of the target planet and directed perpendicular to the incoming asymptote of the target-centered approach hyperbola (Fig. 5). The impact parameter \mathbf{B} is resolved into two components which lie in a

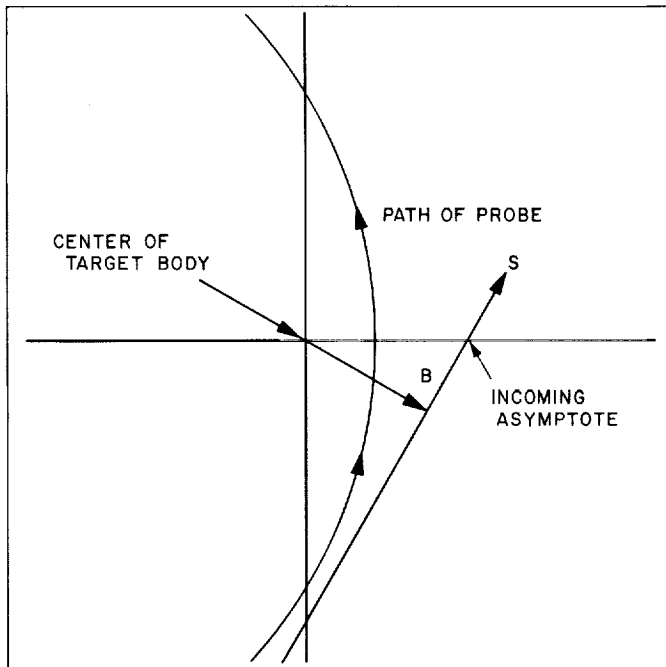


Fig. 5. Impact parameter \mathbf{B}

plane normal to the incoming asymptote \mathbf{S} . The orientations of the reference axes in this plane are arbitrary, but one is usually selected to lie in a fixed plane. Thus, define a unit vector \mathbf{T} , lying in the *ecliptic* plane according to

$$\mathbf{T} = \frac{\mathbf{S} \times \mathbf{K}'}{|\mathbf{S} \times \mathbf{K}'|} \quad (16)$$

where \mathbf{K}' is a unit normal vector to the ecliptic plane. The remaining axis is then given by a unit vector \mathbf{R} , defined by

$$\mathbf{R} = \mathbf{S} \times \mathbf{T} \quad (17)$$

Figure 6 illustrates the orientation of the \mathbf{R} , \mathbf{S} , \mathbf{T} target coordinates.

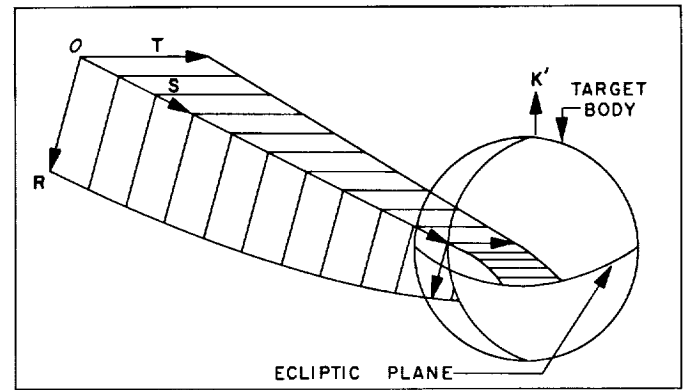


Fig. 6. The \mathbf{R} , \mathbf{S} , \mathbf{T} target coordinate system

The impact parameter \mathbf{B} lies in the \mathbf{R} - \mathbf{T} plane and has miss components $\mathbf{B} \cdot \mathbf{T}$ and $\mathbf{B} \cdot \mathbf{R}$. $\mathbf{B} \cdot \mathbf{T} = \mathbf{B} \cdot \mathbf{R} = 0$ denotes vertical impact on the target. Thus, $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and T_F are the three target-dependent variables. If Q_i represents a set of generalized independent variables, such as injection position and velocity or other convenient variables, then the partial derivatives $\partial \mathbf{B} \cdot \mathbf{T} / \partial Q_i$, $\partial \mathbf{B} \cdot \mathbf{R} / \partial Q_i$, $\partial T_F / \partial Q_i$ are first-order differential corrections or error coefficients relating miss at the target and flight time errors to the independent variables.

A convenient set of independent variables for interplanetary trajectories is the *vis viva* injection energy C_3 , the declination Φ_s , and the right ascension Θ_s of the asymptote of the escape hyperbola. These variables essentially describe the launch hyperbolic-excess velocity vector since

$$\mathbf{V}_{hL} = (C_3)^{1/2} (\cos \Phi_s \cos \Theta_s, \cos \Phi_s \sin \Theta_s, \sin \Phi_s) \quad (18)$$

As stated above, the differential corrections are calculated by a numerical differencing method which uses

quantities obtained from the conic trajectory. The basic idea is to compute a varied or perturbed trajectory and then difference it with the reference case. Let primed quantities denote variables on the perturbed trajectory. A small variation $\Delta \mathbf{V}_{hL}$ in the hyperbolic-excess velocity vector is equivalent to a small variation $\Delta \mathbf{V}_L$ in the launch heliocentric velocity vector. The launch heliocentric velocity on the perturbed trajectory is, then,

$$\mathbf{V}'_L = \mathbf{V}_L + \Delta \mathbf{V}_{hL} \quad (19)$$

where

$$\begin{aligned} \Delta \mathbf{V}_{hL} = & (C_3)^{1/2} \Delta \Phi_S [-\sin \Phi_S \cos \Theta_S, -\sin \Phi_S \sin \Theta_S, \cos \Phi_S] , \\ & (C_3)^{1/2} \Delta \Theta_S [-\cos \Phi_S \sin \Theta_S, \cos \Phi_S \cos \Theta_S, 0] , \\ & \frac{-\Delta C_3}{2(C_3)^{1/2}} [\cos \Phi_S \cos \Theta_S, \cos \Phi_S \sin \Theta_S, \sin \Phi_S] \end{aligned}$$

where $\Delta \Phi_S, \Delta \Theta_S$ are small angular variations (0.2 deg), and the energy variation is $\Delta C_3 = 0.005 C_3$.

The semimajor axis a' is obtained from

$$a' = \frac{R_L}{2 - \frac{V_L'^2 R_L}{GM_S}} \quad (20)$$

The radial rate \dot{R}_L' is

$$\dot{R}_L' = \frac{\mathbf{V}_L' \cdot \mathbf{R}_L}{R_L} \quad (21)$$

The semilatus rectum p' and eccentricity e' are

$$p' = \frac{R_L^2 (V_L'^2 - \dot{R}_L'^2)}{GM_S} \quad (22)$$

$$e' = \left(1 - \frac{p'}{a'}\right)^{1/2} \quad (23)$$

The eccentric anomaly at launch E'_L is

$$\begin{aligned} \sin E'_L &= \frac{R_L \dot{R}_L'}{e' (a' GM_S)^{1/2}} \\ \cos E'_L &= \frac{1}{e'} \left(1 - \frac{R_L}{a'}\right) \end{aligned} \quad (24)$$

The mean anomaly at launch M'_L is obtained from

$$M'_L = E'_L - e' \sin E'_L \quad (25)$$

The mean orbital rate n' is

$$n' = \frac{(GM_S)^{1/2}}{a'^{3/2}} \quad (26)$$

The mean anomaly at the target M'_p is

$$M'_p = n' T_F + M'_L \quad (27)$$

The eccentric anomaly at the target E'_p is obtained from the expansion

$$\begin{aligned} E'_p = E_p + & \left(\frac{1}{1 - e' \cos E_p} \right) \Delta M - \frac{1}{2} \left[\frac{e' \sin E_p}{(1 - e' \cos E_p)^3} \right] \Delta M^2 \\ & + \frac{1}{6} \left[\frac{3 e' \sin E_p^2 - (1 - e' \cos E_p)(e' \cos E_p)}{(1 - e' \cos E_p)^5} \right] \Delta M^3 \end{aligned} \quad (28)$$

if

$$\cos E_p \geq 0$$

or

$$E'_p = E_p + \frac{e \cos E_p - 1 + \sqrt{(e \cos E_p - 1)^2 + (2e \sin E_p) \Delta M}}{e \sin E_p} \quad (29)$$

if

$$\cos E_p < 0$$

where

$$\Delta M = M'_p - (E_p - e' \sin E_p)$$

The true anomalies at launch and the target v'_L and v'_p are found from

$$\cos v'_L = \frac{p' - R_L}{e' R_L} \quad (30)$$

$$0 < v'_L < \pi \quad \text{if } \dot{R}_L' \text{ is positive}$$

$$\pi < v'_L < 2\pi \quad \text{if } \dot{R}_L' \text{ is negative}$$

$$\cos v'_p = \frac{\cos E'_p - e'}{1 - e' \cos E'_p} \quad (31)$$

$$\sin v'_p = \frac{(1 - e'^2)^{1/2} \sin E'_p}{1 - e' \cos E'_p}$$

The heliocentric central angle Ψ' is

$$\Psi' = v'_p - v'_L \quad (32)$$

The angular momentum \mathbf{h}' is

$$\mathbf{h}' = \mathbf{R}_L \times \mathbf{V}'_L \quad (33)$$

The heliocentric position vector at the target is

$$\mathbf{R}'_p = R'_p \left(\frac{\mathbf{R}_L}{R_L} \cos \Psi' + \frac{\mathbf{h}' \times \mathbf{R}_L}{h' R_L} \sin \Psi' \right) \quad (34)$$

where

$$R'_p = a' (1 - e' \cos E'_p) \quad (35)$$

A vector in the direction of perihelion with magnitude e' is

$$\boldsymbol{\varepsilon}' = \frac{\mathbf{V}'_L \times \mathbf{h}'}{GM_s} - \frac{\mathbf{R}_L}{R_L} \quad (36)$$

The heliocentric velocity at the target is

$$\mathbf{V}'_p = \frac{\mathbf{h}'}{p'} \times \left(\frac{\mathbf{R}'_p}{R'_p} + \boldsymbol{\varepsilon}' \right) \quad (37)$$

The hyperbolic-excess velocity at the target is

$$\mathbf{V}'_{hp} = \mathbf{V}'_p - \mathbf{V}_2 \quad (38)$$

The difference between the heliocentric position vectors on the perturbed and reference trajectories is

$$\Delta \mathbf{R}'_p = \mathbf{R}'_p - \mathbf{R}_p \quad (39)$$

The impact parameter \mathbf{B} is

$$\mathbf{B} = - \frac{(\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}) \mathbf{V}'_{hp}}{V'^2_{hp}} + \Delta \mathbf{R}'_p$$

The flight time error is

$$\Delta T_F = \frac{\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}}{V'^2_{hp}} \quad (40)$$

The partial derivatives are formed by dividing $\Delta \Theta_s$, $\Delta \Phi_s$, and ΔC_3 into the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and flight time error ΔT_F . In addition to the component partials, the quantity $\partial B / \partial Q_i$ is defined by

$$\frac{\partial B}{\partial Q_i} = \left[\left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial Q_i} \right)^2 + \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial Q_i} \right)^2 \right]^{1/2} \quad (41)$$

The three partials, $\partial B / \partial \Theta_s$, $\partial B / \partial \Phi_s$, $\partial B / \partial C_3$, are important measures of the error sensitivity of a trajectory.

The effect of uncertainty in the knowledge of the astronomical unit-to-kilometer conversion factor on target miss and flight time may be determined by the following formulae,

$$\begin{aligned} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial au} &= \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial au} &= \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \end{aligned} \quad (42)$$

from whence

$$\frac{\partial B}{\partial au} = \frac{2C_3}{au} \frac{\partial B}{\partial C_3} \quad (43)$$

and

$$\frac{\partial T_F}{\partial au} = \frac{-2C_3}{au} \frac{\partial T_F}{\partial C_3} \quad (44)$$

where au is the astronomical unit-to-kilometer conversion factor.

The effect of solar radiation pressure acting on the probe may also be evaluated as follows: In Eq. (19) let $\Delta \mathbf{V}_{hL} = 0$, but in Eq. (20), (22), (24), (26), (36), vary GM_s by adding an increment ΔGM_s . This procedure gives rise to a varied trajectory from which the impact parameter \mathbf{B} and flight time error ΔT_F may be obtained. The partials $\partial B / \partial GM_s$ and $\partial T_F / \partial GM_s$ may then be calculated. Since the acceleration caused by solar radiation pressure acts opposite to the gravitational attraction of the Sun, radiation pressure has the effect of decreasing the Sun's gravitational attraction, or decreasing GM_s . A decrease, $\Delta GM_s = -2.4 \times 10^6 \text{ km}^3/\text{sec}^2$ corresponds to the solar radiation pressure acting on a 300-kg spacecraft having a perfectly reflecting area of 3.6 square meters. Thus the miss, always being a positive number, is obtained by $\Delta B_{sp} = 2.4 \times 10^6 \partial B / \partial GM_s$, and the corresponding flight time error is $\Delta T_{Fsp} = -2.4 \times 10^6 \partial T_F / \partial GM_s$, which is sign sensitive.

D. Mid-Course Execution Accuracy

The effect of mid-course execution errors on target accuracy can be rather simply described if it is assumed that the guidance maneuver is made on the asymptote of the escape hyperbola and that the velocity errors are spherically distributed (that is, the three-dimensional statistical distribution of velocity errors is composed of three orthogonal, independent velocity errors, each with the same variance). The mapping of these errors to the target (Fig. 7) results in a three-dimensional ellipsoid of position errors, which is the "one-sigma ellipsoid." The semiaxes are the respective standard deviations of the position errors. As pointed out above, this ellipsoid can be thought of as the locus of target errors that results from a unit velocity error at the mid-course point tracing out a sphere.

Let the differential corrections discussed above be expressed in matrix form as

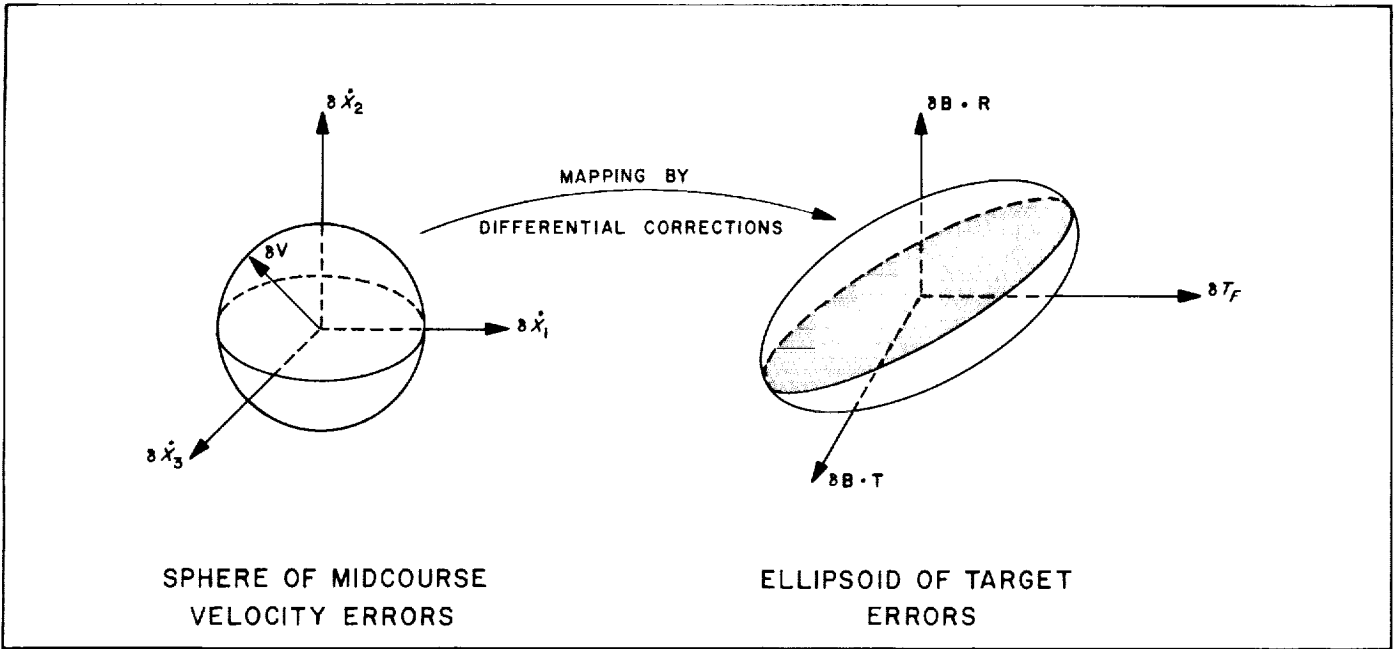


Fig. 7. The mapping of mid-course execution error

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_S} & \frac{\partial T_F}{\partial \Theta_S} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

Now define a Cartesian coordinate system X_1, X_2, X_3 such that

$$\left. \begin{aligned} \delta \dot{X}_1 &= V_{hL} \delta \Phi_S \\ \delta \dot{X}_2 &= -(V_{hL} \cos \Phi_S) \delta \Theta_S \\ \delta \dot{X}_3 &= \delta V_{hL} = \frac{\delta C_3}{2V_{hL}} \end{aligned} \right\} \quad (46)$$

Then a new matrix F can be formed,

$$F = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} & \frac{\partial T_F}{\partial \dot{X}_2} & \frac{\partial T_F}{\partial \dot{X}_3} \end{bmatrix} \quad (47)$$

where

$$\left. \begin{aligned} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial T_F}{\partial \Phi_S} \\ \frac{\partial T_F}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial T_F}{\partial \Theta_S} \\ \frac{\partial T_F}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial T_F}{\partial C_3} \end{aligned} \right\} \quad (48)$$

Let the spherical distribution of midcourse velocity errors be described in the X_1, X_2, X_3 system as

$$\delta\dot{X}_1^2 + \delta\dot{X}_2^2 + \delta\dot{X}_3^2 = \sigma_v^2 \quad (49)$$

where σ_v will be taken equal to 0.1 meters/sec. The resultant one-sigma ellipsoid of target errors is described by the quadratic form,

$$\delta\mathbf{M} \Lambda^{-1} \delta\mathbf{M}^T = 1 \quad (50)$$

where

$$\Lambda = \sigma_v^2 \mathbf{F} \mathbf{F}^T = \begin{bmatrix} \lambda_{11} & \lambda_{12} & \lambda_{13} \\ & \lambda_{22} & \lambda_{23} \\ \text{symmetric} & & \lambda_{33} \end{bmatrix} \quad (51)$$

and

$$\delta\mathbf{M} = (\delta\mathbf{B} \cdot \mathbf{T}, \delta\mathbf{B} \cdot \mathbf{R}, \delta T_F)$$

The elements of the Λ matrix are:

$$\begin{aligned} \lambda_{11} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right)^2 \right] \\ \lambda_{12} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s} \right) + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s} \right) \times \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \right] \\ \lambda_{13} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s} \right) \left(\frac{\partial T_F}{\partial \Phi_s} \right) + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s} \right) \left(\frac{\partial T_F}{\partial \Theta_s} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{22} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right)^2 \right] \\ \lambda_{23} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s} \right) \left(\frac{\partial T_F}{\partial \Phi_s} \right) + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s} \right) \left(\frac{\partial T_F}{\partial \Theta_s} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{33} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial T_F}{\partial \Phi_s} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_s} \left(\frac{\partial T_F}{\partial \Theta_s} \right)^2 + 4C_3 \left(\frac{\partial T_F}{\partial C_3} \right)^2 \right] \end{aligned} \quad (52)$$

The quantities in the Λ matrix can be interpreted as standard deviations (sigmas) and correlation coefficients (rhos) according to

$$\left. \begin{aligned} \sigma_T &= (\lambda_{11})^{1/2} \\ \sigma_R &= (\lambda_{22})^{1/2} \\ \sigma_F &= (\lambda_{33})^{1/2} \\ \rho_{RT} &= \frac{\lambda_{12}}{(\lambda_{11} \lambda_{22})^{1/2}} \\ \rho_{TF} &= \frac{\lambda_{13}}{(\lambda_{11} \lambda_{33})^{1/2}} \\ \rho_{RF} &= \frac{\lambda_{23}}{(\lambda_{22} \lambda_{33})^{1/2}} \end{aligned} \right\} \quad (53)$$

Then the Λ matrix becomes

$$\Lambda = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_R \sigma_T & \rho_{TF} \sigma_F \sigma_T \\ & \sigma_R^2 & \rho_{RF} \sigma_R \sigma_F \\ \text{symmetric} & & \sigma_F^2 \end{bmatrix} \quad (54)$$

It is often of interest when describing only miss components to consider

$$\sigma_B = (\sigma_R^2 + \sigma_T^2)^{1/2} \quad (55)$$

and to diagonalize the upper 2×2 portion of the Λ (the miss component elements) to get

$$\Lambda^* = \mathbf{L} \Lambda \mathbf{L}^T = \begin{bmatrix} \sigma_1^2 & 0 & \rho_{13} \sigma_1 \sigma_3 \\ & \sigma_2^2 & \rho_{23} \sigma_2 \sigma_3 \\ \text{symmetric} & & \sigma_3^2 \end{bmatrix} \quad (56)$$

where the matrix \mathbf{L} is given by

$$L = \begin{bmatrix} \cos \theta & \sin \theta & 0 \\ -\sin \theta & \cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad (57)$$

The angle θ is positive when turned counterclockwise from the T axis, and has been chosen such that $\sigma_1 \geq \sigma_2$. This is accomplished by

$$\theta = \frac{1}{2} \tan^{-1} \left[\frac{2\rho_{RT}}{\left(\frac{\sigma_T}{\sigma_R}\right) - \left(\frac{\sigma_R}{\sigma_T}\right)} \right] \quad (58)$$

where θ is in first quadrant if ρ_{RT} is positive and θ is in second quadrant if ρ_{RT} is negative. Notice that $\sigma_3 = \sigma_P$. The two-dimensional error ellipse described by σ_1 , σ_2 , and θ is the projection of all points of the three-dimensional ellipsoid of position errors (discussed in Section IIE) onto the T-R plane, as shown in Fig. 8.

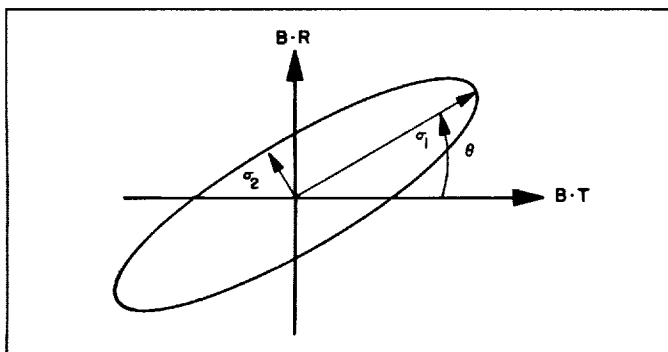


Fig. 8. Projection of three-dimensional error ellipsoid on the T-R plane

E. Orbit Determination Accuracy

In this section the analytic model used for describing orbit determination accuracy (tracking error) for interplanetary trajectories is discussed, and the factors upon which the tracking error depends are reviewed. The dominant error sources are defined for the easterly launchings from Cape Canaveral using tracking coverage supplied by NASA's Deep Space Instrumentation Facility (DSIF). Probable generalization to other situations is suggested. Finally, the method of describing target errors is presented along with all formulae relating the tracking errors to the target error parameters chosen.

1. Method of Describing Orbit Determination Accuracy

As discussed in Section IID, the uncertainties in our knowledge of an interplanetary trajectory are well described in terms of the direction and magnitude of the geocentric hyperbolic-excess velocity vector, V_{hL} . Figure 9 defines the right-handed Cartesian coordinate system we have adopted for describing uncertainties in V_{hL} . The X_3 axis is along V_{hL} ; the X_1 axis is in the direction of a positive differential change in asymptote declination Φ_S ; and the X_2 axis completes the system.

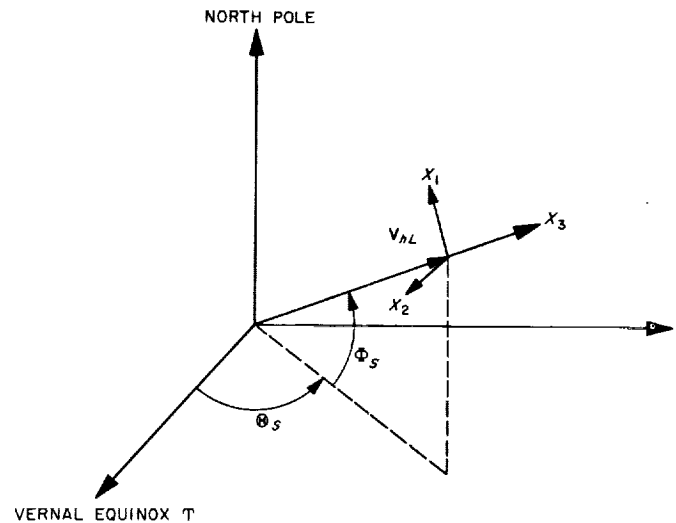


Fig. 9. Orientation of the X_i Cartesian coordinate system to describe uncertainties in the hyperbolic-excess velocity vector V_{hL}

Let $\dot{\mathbf{X}}$ represent the vector of velocity errors in the X_i system just described; $\dot{\mathbf{X}} = (\delta\dot{X}_1, \delta\dot{X}_2, \delta\dot{X}_3)^T$, where T indicates the transpose. The average of any function of $\dot{\mathbf{X}}$, $f(\dot{\mathbf{X}})$, over an ensemble of randomly generated tracking runs may assist in describing our statistical knowledge of $\dot{\mathbf{X}}$ based on tracking noise, station location, and physical constant uncertainties. The ensemble average is usually written $Ef(\dot{\mathbf{X}})$ or as $f(\dot{\mathbf{X}})$. When $\dot{\mathbf{X}}$ has a Gaussian (normal) probability density function, the distribution can be described completely by specifying $E\dot{\mathbf{X}}$ and $E[(\dot{\mathbf{X}} - \dot{\mathbf{X}})(\dot{\mathbf{X}} - \dot{\mathbf{X}})^T]$, the mean and covariance of $\dot{\mathbf{X}}$, respectively.

When all parameters influencing our knowledge of $\dot{\mathbf{X}}$ have been considered, $E\dot{\mathbf{X}}$ should be zero and then the description of our uncertainties in $\dot{\mathbf{X}}$ can be adequately given by Covar $\dot{\mathbf{X}}$, defined above. For convenience, the symbol $\Lambda_{\dot{\mathbf{X}}}$, for Covar $\dot{\mathbf{X}}$, is introduced.

$$\Lambda_{\dot{\mathbf{X}}} = \text{Covar } \dot{\mathbf{X}} = E \left[(\dot{\mathbf{X}} - \dot{\mathbf{X}}) (\dot{\mathbf{X}} - \dot{\mathbf{X}})^T \right] \quad (59)$$

Note that

$$\Lambda_{\dot{\mathbf{x}}} = \begin{pmatrix} \delta\dot{\mathbf{x}}_1\delta\dot{\mathbf{x}}_1 & \delta\dot{\mathbf{x}}_1\delta\dot{\mathbf{x}}_2 & \delta\dot{\mathbf{x}}_1\delta\dot{\mathbf{x}}_3 \\ \delta\dot{\mathbf{x}}_2\delta\dot{\mathbf{x}}_1 & \delta\dot{\mathbf{x}}_2\delta\dot{\mathbf{x}}_2 & \delta\dot{\mathbf{x}}_2\delta\dot{\mathbf{x}}_3 \\ \delta\dot{\mathbf{x}}_3\delta\dot{\mathbf{x}}_1 & \delta\dot{\mathbf{x}}_3\delta\dot{\mathbf{x}}_2 & \delta\dot{\mathbf{x}}_3\delta\dot{\mathbf{x}}_3 \end{pmatrix} \quad (60)$$

is a 3×3 real symmetric matrix. The diagonal terms are the variances of the three components, and the off-diagonal terms measure the correlation between the three components.

Before describing how $\Lambda_{\dot{\mathbf{x}}}$ has been "mapped" into target error uncertainties, a discussion is given of the dependence of $\Lambda_{\dot{\mathbf{x}}}$ upon the relevant factors describing near-Earth tracking as well as the typical errors assumed in preparing the estimates given in this report.

2. Accuracy of Near-Earth Tracking

By expressing the accuracy of near-Earth tracking in terms of $\dot{\mathbf{x}}$ and its associated covariance $\Lambda_{\dot{\mathbf{x}}}$, the dependence upon almost all trajectory parameters has been eliminated. The remaining relevant trajectory parameters are listed in Table 1.

Table 1. Trajectory parameters influencing tracking accuracy

- | | |
|--|---|
| 1. Launch site | |
| 2. Launch azimuth Σ_L | Depends on launch time. |
| 3. Injection region | Depends on time in parking orbit; short or long coast less than 1 revolution is current practice. |
| 4. Declination of \mathbf{V}_{AL} , Φ_S | Depends on target position at arrival date and injection energy, C_3 . |
| 5. Magnitude of $\mathbf{V}_{AL} = V_{AL} = (C_3)^{1/2}$ | |

Note the limited number of trajectory parameters on which $\Lambda_{\dot{\mathbf{x}}}$ depends. Table 2 summarizes the key tracking station parameters which influence accuracy in the geocentric tracking phase.

The first three factors listed in Table 2 define the tracking configuration, whereas the last three are station performance factors. Usually, tracking accuracy studies are carried out with the tracking configuration relatively fixed, and the influence of the station performance factors are determined.

The final source of tracking error is uncertainty in physical constants. The influence of GM-Earth errors is somewhat smaller than the above-mentioned errors and should be reduced to negligible contribution in the next two years. Sections IIC and IIIC describe how the uncertainty in the astronomical unit affects the target error; this error

Table 2. Tracking station parameters influencing tracking accuracy

- | | |
|--|---|
| 1. Station locations | A spread of latitudes is very desirable. |
| 2. Total tracking time | |
| 3. Tracking data types | Range R , range rate \dot{R} , and angles are most commonly taken. |
| 4. Delay in acquiring first data | Delay is measured from the injection region as well as station acquisition delays. |
| 5. Tracking data accuracies | Expressed in terms of equivalent uncorrelated noise at a given sampling rate. |
| 6. Uncertainty in tracking | Important when high data accuracies are available. Longitude errors usually are most important. |

can be important for very long flights, but should also be reduced to a negligible contribution in the next two years. Errors in the target's mass cause minor variations in flight time T_F and negligible effect on \mathbf{B} . The last important target error source currently recognized is the uncertainty in the effect of the standard solar radiation pressure on spacecraft trajectory. The source of uncertainty is that effective reflecting area (largely solar panels) is not perfectly known. Techniques for the accurate measurement of this quantity are currently under development. Our studies show that unless this error is held below 5% it will be the dominant error source on many of our flights. Sections IIC and IIIC describe the calculation of the standard solar radiation pressure on a typical spacecraft deriving electrical power from the Sun.

The tracking accuracies reported here are representative of those available from tracking with the DSIF stations in South Africa, Australia, and the United States. Launch azimuths between 90 and 114 deg east of north were considered. Data accuracies of 0.02 m/sec in \dot{R} and 0.05 deg in angle sampled every 10 minutes were assumed; no range measurements were assumed. Station location errors were assumed to be uncorrelated with standard deviations of 0.001 deg in latitude, 0.0005 deg in longitude, and 30 meters in radius. Each station was allowed 10 minutes to acquire the spacecraft transponder, and tracking was simulated in the first 24 hours so that at least one pass was available to each station. The transfer of transmitting assignment from one station to another (simultaneous transmission was not allowed) followed a pattern which has been found to be near-optimum.

The $\Lambda_{\dot{\mathbf{x}}}$ matrix used in these calculations was assumed to be independent of the trajectory parameters listed in Table 1. This approximation is good for the range of energies and asymptotic declinations considered to be

most feasible. In the future these approximations will be refined as necessary. The $\Lambda_{\dot{\mathbf{x}}}$ used for orbit determination accuracy in this report is given in Section IIIE. The target accuracies calculated here are typical for any reasonable multistation tracking configuration, with the data types and accuracies corresponding to this conservative representation of DSIF capabilities.

3. Calculation of Target Errors

The representation of tracking accuracy in the geocentric phase in terms of $\Lambda_{\dot{\mathbf{x}}}$, the covariance of the \mathbf{V}_{hL} in a particular rectangular coordinate system, was developed earlier in this section. In order to express the effect of these uncertainties in \mathbf{V}_{hL} in terms of target error, two steps must be performed. First, a set of coordinates \mathbf{M}_1 at the target planet for expressing the errors (\mathbf{M}_1 cannot exceed 3 dimensions) must be chosen. (A convenient set with desirable linearity properties is the **T-R-S** system defined previously.) The matrix U_1 , which maps $\dot{\mathbf{x}}$ to the desired \mathbf{M}_1 , is then determined.

$$\mathbf{M}_1 = U_1 \dot{\mathbf{x}} = \begin{pmatrix} \delta \mathbf{B} \cdot \mathbf{T} \\ \delta \mathbf{B} \cdot \mathbf{R} \\ \delta S \end{pmatrix} \quad (61)$$

The covariance of \mathbf{M}_1 is given by

$$\text{Covar} [\mathbf{M}_1] = \overline{\mathbf{M}_1 \mathbf{M}_1^T} = U_1 \Lambda_{\dot{\mathbf{x}}} U_1^T = \Lambda_{\mathbf{M}_1} \quad (62)$$

The determination of U_1 for the coordinates chosen follows the lines of Section IID. It is presumed that the K -matrix is given, where

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_S} & \frac{\partial T_F}{\partial \Theta_S} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

By postmultiplying K by

$$A = \begin{bmatrix} \frac{1}{V_{hL}} & 0 & 0 \\ 0 & \frac{-1}{V_{hL} \cos \Phi_S} & 0 \\ 0 & 0 & 2V_{hL} \end{bmatrix} \quad (63)$$

the F matrix is obtained.

$$F = KA \quad (47)$$

The F matrix must now be adjusted to transform into the **T-R-S** coordinates used for \mathbf{M}_1 . This transformation B is simply

$$B = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & -V_{hp} \end{bmatrix} \quad (64)$$

since $\delta S = -V_{hp} \delta T_L$. Thus our U_1 matrix is given by

$$U_1 = B(KA) = BF \quad (65)$$

Now the mapping given in Eq. (62) to obtain $\Lambda_{\mathbf{M}_1}$ is applied. Since all of the coordinates of \mathbf{M}_1 have the same dimensions (length squared), the one-sigma ellipsoid described by the quadratic form

$$\delta \mathbf{M}_1 \Lambda_{\mathbf{M}_1}^{-1} \delta \mathbf{M}_1^T = 1 \quad (66)$$

has physical significance. The three principal axes of this ellipsoid are the square roots of the 3-eigenvalues of the $\Lambda_{\mathbf{M}_1}$ matrix. The formulas used are standard and are not reproduced here. The projection of the three-dimensional ellipsoid on to the **T-R** plane is an ellipse. Its major and minor semiaxes and orientation of the major axis are calculated by the same procedure used in Section IID. It is often convenient to write $\Lambda_{\mathbf{M}_1}$ in an alternate form:

$$\Lambda_{\mathbf{M}_1} = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_T \sigma_R & \rho_{TS} \sigma_T \sigma_S \\ \rho_{RT} \sigma_R \sigma_T & \sigma_R^2 & \rho_{RS} \sigma_R \sigma_S \\ \rho_{TS} \sigma_S \sigma_T & \rho_{RS} \sigma_S \sigma_R & \sigma_S^2 \end{bmatrix} \quad (67)$$

It can be seen that $\Lambda_{\mathbf{M}_1}$ is completely described by σ_T , σ_R , σ_S , ρ_{TS} , ρ_{RS} , ρ_{TR} , because of its symmetry.

III. EXPLANATION OF TRAJECTORY TABLES

Tabular listings of pertinent quantities of the heliocentric and planetocentric trajectories, differential corrections, guidance, and orbit determination parameters are given at 1-day launch date intervals and 2-day flight time intervals over the selected launch period. The launch period is selected to encompass the minimum energy transfer dates obtained from Ref. 7 and 8. A summary of the characteristics of these trajectories is given in Ref. 7.

Each trajectory begins with a header giving launch date, flight time (in days), and arrival date. All the heliocentric transfer trajectories are calculated assuming launch into the heliocentric orbit at 0 hours of the launch date and arrival at 0 hours of the arrival date. Later, however, when the launch-planet ascent trajectories are computed, the actual launch times during the launch day for each launch azimuth are given.

Each page lists four trajectories, each of which is divided into five basic print groups: HELIOCENTRIC CONIC, PLANETOCENTRIC CONIC, DIFFERENTIAL CORRECTIONS, MID-COURSE EXECUTION ACCURACY, and ORBIT DETERMINATION ACCURACY. Each quantity is assigned an identifying alphabetic symbol of no more than three letters. The definitions of the symbols and quantities they represent are given below. All pertinent quantities are referenced to the mean equinox and equator, or ecliptic, of *launch* date.

A. Heliocentric Conic Group

The HELIOCENTRIC CONIC group gives the characteristics of the heliocentric transfer ellipse, such as the position and velocity vectors at launch and arrival, some orbital elements, and other quantities of engineering interest. The printout array is as follows:

HELIOCENTRIC CONIC	DISTANCE
RL LAL LOL VL GAL AZL HCA SMA ECC INC V1	
RP LAP LOP VP GAP AZP TAL TAP RCA APO V2	
RC GL GP ZAL ZAP ETS ZAE ETE ZAC ETC CLP	

After the words HELIOCENTRIC CONIC, the heliocentric arc DISTANCE traveled by the spacecraft from launch to arrival is printed. The quantities are defined as follows (all angles are in deg; distances are in millions of km; speeds are in km/sec):

Line 1

$RL, R_L = |R_L|$ the heliocentric radius of the launch planet at 0 hours of the launch date.

LAL, β_L the celestial latitude of the launch planet at 0 hours of the launch date.

LOL, λ_L the celestial longitude of the launch planet at 0 hours of the launch date.

$VL, V_L = |V_L|$ the heliocentric speed of the probe at 0 hours of the launch date.

GAL, Γ_L the path angle of the probe at 0 hours of the launch date, i.e., the complement of the angle between the position and velocity vectors, R_L and V_L , defined by

$$\sin \Gamma_L = \frac{R_L \cdot V_L}{R_L V_L} \quad -\frac{\pi}{2} \leq \Gamma_L \leq \frac{\pi}{2}$$

AZL, Σ_L the azimuth angle of the probe at 0 hours of the launch date, i.e., the angle, measured in a plane perpendicular to the radius vector R_L , between the projection of the ecliptic north and the projection of the velocity vector V_L on the plane perpendicular to R_L , defined by

$$\cos \Sigma_L = \frac{V_L \cdot \Psi^1}{V_L \cos \Gamma_L} \quad 0 \leq \Sigma_L \leq 2\pi$$

$$\sin \Sigma_L = \frac{(R_L \times V_L) \cdot \Psi^1}{|R_L \times V_L|}$$

where $\Psi^1 = (K' - R_L^1 \sin \beta_L) \sec \beta_L$, where the superscript 1 denotes a unit vector.

HCA, ψ the heliocentric central angle, or angle between the position vector R_L , of the launch planet at 0 hours of the launch date and the position vector R_p , of the target planet at 0 hours of the arrival date. This angle is defined by Eq. (3) and (4) and illustrated in Fig. 1.

SMA, a the semimajor axis of the heliocentric transfer ellipse.

ECC, e	the eccentricity of the heliocentric transfer ellipse.	GL, γ_L	the angle between the launch hyperbolic-excess velocity vector \mathbf{V}_{hL} and its projection on the orbital plane of the launch planet, defined by
INC, i	the inclination of the heliocentric transfer ellipse.		
VL, $V_1 = \mathbf{V}_1 $	the heliocentric speed of the launch planet at 0 hours of the launch date.		$\sin \gamma_L = \frac{\mathbf{W}_1 \cdot \mathbf{V}_{hL}}{V_{hL}} \quad -\frac{\pi}{2} \leq \gamma_L \leq \frac{\pi}{2}$
Line 2			where \mathbf{W}_1 is a unit normal to the launch planet's orbital plane. This angle is useful in describing the direction in which the probe leaves the launch planet.
RP, $R_p = \mathbf{R}_p $	the heliocentric radius of the target planet at 0 hours of the arrival date.	GP, γ_p	the angle between the incoming arrival hyperbolic-excess velocity vector \mathbf{V}_{hp} , and its projection on the target planet's orbital plane, defined by
LAP, β_p	the celestial latitude of the target planet at 0 hours of the arrival date.		$\sin \gamma_p = \frac{\mathbf{W}_2 \cdot \mathbf{V}_{hp}}{V_{hp}} \quad -\frac{\pi}{2} \leq \gamma_p \leq \frac{\pi}{2}$
LOP, λ_p	the celestial longitude of the target planet at 0 hours of the arrival date.		where \mathbf{W}_2 is a unit normal to the target planet's orbital plane. This angle is useful in determining whether the probe is approaching from above or below the target planet. If γ_p is positive, the probe approaches from below —if negative, from above.
VP, $V_p = \mathbf{V}_p $	the heliocentric speed of the probe at 0 hours of the arrival date.		
GAP, Γ_p	the path angle of the probe at 0 hours of the arrival date, defined the same as Γ_L except that \mathbf{R}_p and \mathbf{V}_p are substituted for \mathbf{R}_L and \mathbf{V}_L .	ZAL, ζ_L	the angle between the outgoing launch asymptote (or hyperbolic-excess velocity vector) and the launch heliocentric radius vector \mathbf{R}_L at launch time. This is the Sun-launch-planet-probe angle and is a good approximation to the launch-planet-probe-Sun angle as the probe leaves the launch planet. It is an important quantity in the design of attitude control systems which use the Sun and launch planet as optical references. The quantity ζ_L is defined as follows:
AZP, Σ_p	the azimuth angle of the probe at 0 hours of the arrival date, defined the same as Σ_L except that \mathbf{R}_p and \mathbf{V}_p are substituted for \mathbf{R}_L and \mathbf{V}_L .		$\cos \zeta_L = \frac{\mathbf{V}_{hL} \cdot \mathbf{R}_L^i}{V_{hL}} \quad 0 \leq \zeta_L \leq \pi$
TAL, v_L	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the launch date.		
TAP, v_p	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the arrival date.		
RCA, R_{CA}	the perihelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit perihelion.		
APO, R_A	the aphelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit aphelion.		
V2, $V_2 = \mathbf{V}_2 $	the heliocentric speed of the target planet at 0 hours of the arrival date.		
Line 3			
RC, R_c	the communication distance, or distance between the launch and target planets at 0 hours of the arrival date.		The next six quantities, all angles, have the same general definition. They are important in the design of the near-target trajectory and are used in determining the aiming point for interplanetary flyby trajectories. Consider the target-centered geometry of Fig. 10.

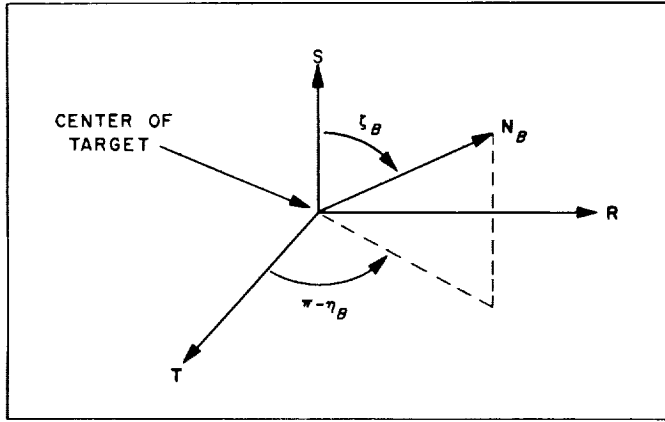


Fig. 10. Generalized geometry for aiming point angles

In this diagram, the reference coordinate system is the same target \mathbf{R} , \mathbf{S} , \mathbf{T} system defined in Section IIC. A unit vector \mathbf{N}_B (subscript B for body) is directed from the target center to another celestial body. The angular quantity ζ_B is the angle subtended at the target center between the incoming asymptote \mathbf{S} and the target-celestial body line \mathbf{N}_B . Thus

$$\cos \zeta_B = \mathbf{S} \cdot \mathbf{N}_B = \frac{\mathbf{V}_{hp} \cdot \mathbf{N}_B}{V_{hp}} \quad 0 \leq \zeta_B \leq \pi$$

since

$$\mathbf{S} = \frac{\mathbf{V}_{ho}}{V_{hp}}$$

The angle η_B is the supplement of the angle between the \mathbf{T} direction and the projection of \mathbf{N}_B on the $\mathbf{R} - \mathbf{T}$ plane, defined by

$$\sin \eta_B = \frac{-\mathbf{R} \cdot \mathbf{N}_B}{\sin \zeta_B} \quad 0 \leq \eta_B \leq 2\pi$$

$$\cos \eta_B = \frac{-\mathbf{T} \cdot \mathbf{N}_B}{\sin \zeta_B}$$

These quantities are computed for three celestial bodies: the Sun (ζ_s and η_s), the Earth (ζ_E and η_E), and the star Canopus (ζ_C and η_C). Thus,

ZAP, ζ_s (or ζ_p) the Sun-target-probe angle. Actually, this angle should be symbolized ZAS, but, for historical reasons, is not. This angle is useful in that it indicates the direction of the probe's approach to

the target. If $\zeta_s < \pi/2$, the probe approaches from the target planet's dark side. If $\zeta_s > \pi/2$, it approaches from the light side.

ETS, η_s

defined as above.

ZAE, ζ_E

the Earth-target-probe angle. This angle is useful in locating the Earth as the probe approaches the target.

ETE, η_E

defined as above.

ZAC, ζ_C

the Canopus-target-probe angle.

ETC, η_C

defined as above.

CLP, σ_p

the angle between the projection of the incoming asymptote \mathbf{S} on the target planet's orbital plane and the target-Sun line at arrival time, defined by

$$\cos \sigma_p = -\mathbf{R}_p^1 \cdot \mathbf{S}_{pr} \quad -\pi \leq \sigma_p \leq \pi$$

$$\sin \sigma_p = -\mathbf{S}_{pr} \cdot (\mathbf{W}_2 \times \mathbf{R}_p^1)$$

where \mathbf{S}_{pr} is the projection of \mathbf{S} on the target's orbital plane given by

$$\mathbf{S}_{pr} = \frac{\mathbf{S} - \mathbf{W}_2 (\mathbf{S} \cdot \mathbf{W}_2)}{|\mathbf{S} - \mathbf{W}_2 (\mathbf{S} \cdot \mathbf{W}_2)|}$$

Recall that \mathbf{W}_2 is the unit normal vector to the target's orbital plane. This angle is illustrated in Fig. 11.

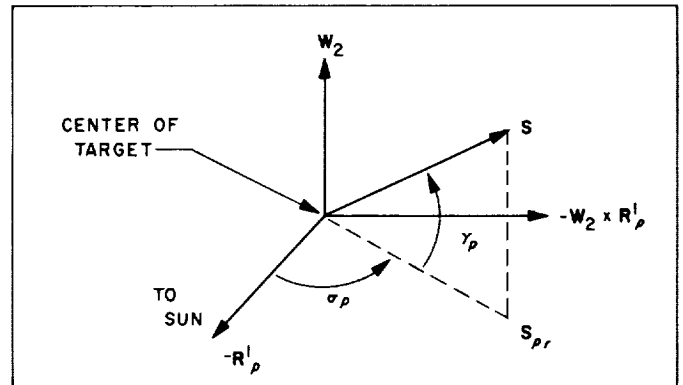


Fig. 11. Definition of σ_p and γ_p

B. Planetocentric Conic Group

The second group, PLANETOCENTRIC CONIC, gives the characteristics of primarily the launch-planet ascent trajectories, but also includes the hyperbolic-excess vector at the target. Injection conditions are given for three launch azimuths, assuming both short and long parking orbits. As explained in Ref. 6, there may be two launch times per day for each launch azimuth, resulting in a short and long parking orbit. The injection conditions for each set are given in geocentric space-fixed spherical coordinates and, by assuming a 100-nm parking orbit altitude and typical boost vehicle trajectory characteristics, the longitude of injection is calculated, along with the latitude and longitude of ignition of final burn out of the parking orbit.

A special case may arise when the declination of the outgoing asymptote of the escape hyperbola is greater than the launch site latitude (Cape Canaveral). In this case, owing to geometrical restrictions, it may not be possible to fire in a symmetrical band of azimuths about due east, as explained in Ref. 6. This band of restricted azimuths may eliminate part or all of the selected launch azimuths, 90, 100, and 110 deg. When this happens, only those trajectories with permissible azimuths are printed, in addition to the limiting azimuths, or the most northerly and southerly azimuths, that are possible.

The ascent trajectory profile is as shown in Fig. 12. Its characteristics are defined as follows:

Φ_1 the arc subtended at Earth's center during ascent from launch into parking orbit.

t_1 the time from launch to parking-orbit injection.

Φ_2 the arc subtended at Earth's center during final burn out of the parking orbit, to injection.

t_2 the time of final burn.

$k_{\dot{\Phi}}$ the inverse parking orbital rate, equal to $1/\dot{\Phi}_c$.

v_1 the true anomaly in the hyperbolic orbit at injection.

R_p the perifocal distance of the escape hyperbola, taken equal to the Earth-centered radius of the parking orbit.

ϕ_L the longitude of the launch site.

θ_L the latitude of the launch site.

The values of these quantities for all trajectories contained herein are:

$$\Phi_1 = 17 \text{ deg}$$

$$t_1 = 500 \text{ sec}$$

$$\Phi_2 = 8 \text{ deg}$$

$$t_2 = 100 \text{ sec}$$

$$k_{\dot{\Phi}} = 14.689 \text{ sec/deg}$$

$$v_1 = 3.7 \text{ deg}$$

$$R_p = 6560 \text{ km}$$

$$\phi_L = 28.317 \text{ deg}$$

$$\theta_L = 279.457 \text{ deg}$$

An inherent assumption here is that these quantities are relatively invariant with injection energy. This is a reasonable assumption and will affect the injection coordinates only slightly.

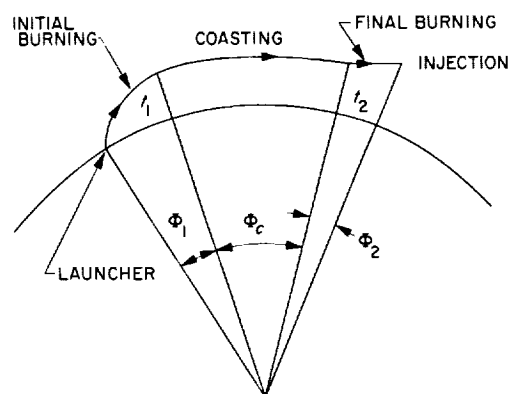


Fig. 12. Ascent trajectory profile

The print array for the PLANETOCENTRIC CONIC group is:

C3	VHL	DLA	RAL	RAD	VEL	PTH	VHP	DPA	RAP	ECC
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC	INJ AZMTH	INJ TIME	PO CST TIM	INJ 2 LAT	INJ 2 LONG

The quantities are defined as follows (all angles are in deg; distances are in km; speeds are in km/sec, launch-injection (L-I) time and parking orbit coast time (PO CST TIM) are in sec; launch time and injection time are in hr, min, and sec, GMT):

Line 1

C3, C_3	the <i>vis viva</i> integral (Moulton), or twice the total energy per unit mass, expressed in km^2/sec^2 and defined by $C_3 = V_{hL}^2$.
VHL, V_{hL}	the launch hyperbolic-excess speed.
DLA, Φ_s	the declination of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAL, Θ_s	the right ascension of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAD, $R = R $	the launch-planet-centered injection radius.
VEL, $V = V $	the inertial injection speed.
PTH, Γ	the injection path angle defined by $\sin \Gamma = \frac{\mathbf{V} \cdot \mathbf{R}}{VR} \quad -\frac{\pi}{2} \leq \Gamma \leq \frac{\pi}{2}$
VHP, V_{hp}	the hyperbolic-excess speed at the target.
DPA, Φ_{sp}	the declination of the incoming asymptote at the target. The reference coordinate system here is vernal equinox, Earth equatorial, mean of <i>launch</i> date
RAP, Θ_{sp}	the right ascension of the incoming asymptote at the target. Same reference coordinates as for Φ_{sp} .
ECC, e	the eccentricity of the escape hyperbola.

Line 2

LNCH AZMTH, Σ_L	the launch azimuth measured in a plane tangent to the surface of the launch planet at the launch site, positive east of true north.
LNCH TIME, T_L	the launch time. For the range of launch azimuths given herein, launch time may cross 0 hours,

or midnight. In this case, the launch date may be advanced to the following day for times after midnight, or it may be retarded to the previous day for times before midnight, whichever the reader wishes.

L-I TIME, t_{Li}	the launch-to-injection time.
INJ LAT, ϕ	the injection latitude (or declination Φ).
INJ LONG, θ	the injection longitude, measured positive east of Greenwich, $0 \leq \theta \leq 2\pi$.
INJ RT ASC, Θ	the injection right ascension.
INJ AZMTH, Σ	the injection azimuth, or angle between the projection of the velocity vector V , on the local horizontal plane and the projection of true north on this plane, measured positive east of true north.
INJ TIME, T_I	the injection time. The same comment applies to this quantity regarding launch date as applied to the launch time. However, both times must be consistent. For example, if launch time is on the previous day, injection time may fall on the launch date shown, or it may be on the following day.
PO CST TIM, t_c	the coast time in the parking orbit, in sec.
INJ 2 LAT, ϕ_2	the latitude of the start of final burn out of the parking orbit.
INJ 2 LONG, θ_2	the longitude of the start of final burn out of the parking orbit, $0 \leq \theta_2 \leq 2\pi$.

The quantities T_I , R , Φ , Θ , V , Γ , Σ form a consistent set of injection conditions; i.e., they are the time and the space-fixed spherical coordinates which can be used to initialize an integrating trajectory program.

C. Differential Corrections Group

The DIFFERENTIAL CORRECTIONS group is comprised of sixteen error coefficients relating variations in

injection energy C_3 , declination Φ_s , and right ascension Θ_s , of the outgoing asymptote of the escape hyperbola, the astronomical unit, and solar radiation pressure to variations in the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and the flight time. These coefficients are very useful in gaging the error sensitivity of an interplanetary trajectory. The printout array for this group is as follows:

DIFFERENTIAL CORRECTIONS

TDE	TRA	TC3	BAU
RDE	RRA	RC3	FAU
FDE	FRA	FC3	BSP
BDE	BRA	BC3	FSP

The symbols are defined as follows:

Line 1

TDE, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
TRA, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
TC3, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
BAU, $\frac{\partial \mathbf{B}}{\partial au}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the astronomical unit-to-kilometer conversion factor. This derivative is dimensionless and indicates the target miss caused by an uncertainty in the value of the astronomical unit.

Line 2

RDE, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
RRA, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch

escape asymptote Θ_s , in megakilometers/deg.

RC3, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3}$ the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km²/sec².

FAU, $\frac{\partial T_F}{\partial au}$ the partial derivative of the flight time T_F , with respect to the astronomical unit-to-kilometer conversion factor. This derivative has dimensions of sec/km and indicates the error in flight time caused by an uncertainty in the value of the astronomical unit.

Line 3

FDE, $\frac{\partial T_F}{\partial \Phi_s}$	the partial derivative of flight time T_F , with respect to the declination of the launch escape asymptote Φ_s , in days/deg.
FRA, $\frac{\partial T_F}{\partial \Theta_s}$	the partial derivative of flight time T_F , with respect to the right ascension of the launch escape asymptote Θ_s , in days/deg.
FC3, $\frac{\partial T_F}{\partial C_3}$	the partial derivative of flight time T_F , with respect to the injection energy C_3 , in days/km ² /sec ² .
BSP, ΔB_{sp}	the target miss (in km) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

Line 4

BDE, $\frac{\partial \mathbf{B}}{\partial \Phi_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
BRA, $\frac{\partial \mathbf{B}}{\partial \Theta_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
BC3, $\frac{\partial \mathbf{B}}{\partial C_3}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
FSP, $\Delta T_{F,sp}$	the flight time error (in sec) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

D. Mid-Course Execution Accuracy Group

The MID-COURSE EXECUTION ACCURACY group gives the parameters of the "one-sigma" three-dimensional ellipsoid of target errors, resulting from a spherically distributed mid-course guidance execution error with σ_v equal to 0.1 m/sec (see Eq. 49). It is assumed here that a single mid-course guidance maneuver is applied during the time the spacecraft is essentially traveling radially outward from the launch planet. This time is approximately from several hours to several days after launch and is a practical period in which to perform a mid-course maneuver. These quantities are quoted in the useful **R, S, T** coordinate system discussed above.

The print array for this group is:

MID-COURSE EXECUTION ACCURACY

SGT	SGR	SG3
RRT	RRF	RTF
SGB	R23	R13
SG1	SG2	THA

The quantities are defined as follows:

Line 1

SGT, σ_T	the standard deviation of position errors along the T axis, in km.
SGR, σ_R	the standard deviation of position errors along the R axis, in km.
SG3, σ_3	the standard deviation of flight time errors, in sec.

Line 2

RRT, ρ_{RT}	the linear correlation coefficient relating position errors in the R and T directions (dimensionless).
RRF, ρ_{RF}	the linear correlation coefficient relating position errors in the R direction and flight-time errors (dimensionless).
RTF, ρ_{TF}	the linear correlation coefficient relating position errors in the T direction and flight-time errors (dimensionless).

Line 3

SGB, σ_B	the square root of the sum of the squares of σ_R and σ_T .
-----------------	--

R23, ρ_{23} the linear correlation coefficient of σ_2 and σ_3 ($= \sigma_F$). The same remarks apply to this number as to ρ_{13} , except that the σ_2 direction replaces the σ_1 direction.

R13, ρ_{13} the linear correlation coefficient relating σ_1 and σ_3 ($= \sigma_F$). This number statistically relates position errors in the σ_1 direction to flight time errors. If $\rho_{13} = 1$, then a position error in the σ_1 direction will always be accompanied by a flight-time error which is linearly related to that position error; ρ_{13} is dimensionless.

Line 4

SG1, σ_1	the semimajor axis of the error ellipse formed by projecting the three-dimensional error ellipsoid onto the T-R plane (Fig. 8), in km.
SG2, σ_2	the semiminor axis of this error ellipse (Fig. 8), in km.
THA, θ	the angle between the T axis and the direction of the σ_1 axis, measured in the T-R plane as shown in Fig. 8, in deg.

E. Orbit Determination Accuracy Group

The ORBIT DETERMINATION ACCURACY group is comprised of 12 numbers which describe the uncertainty in target coordinates due to tracking errors described in Section IIE. The printout array for this group is as follows:

ORBIT DETERMINATION ACCURACY

ST	SR	SS
CRT	CRS	CST
LSA	MSA	SSA
EL1	EL2	ALF

The first two lines describe the covariance of **M**, by the method described in Section IIE (Eq. 67):

Line 1

ST, σ_T	the standard deviation of errors in the coordinate B · T , in km.
SR, σ_R	the standard deviation of errors in the coordinate B · R , in km.
SS, σ_S	the standard deviation of errors in S , in km.

Line 2

CRT, ρ_{RT} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in $\mathbf{B} \cdot \mathbf{T}$, dimensionless.

CRS, ρ_{RS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in S , dimensionless.

CST, ρ_{TS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{T}$ to errors in S , dimensionless.

The third line contains the three semiaxes of the one-sigma position ellipsoid described by $\mathbf{M}_1 \mathbf{A}^{-1} \mathbf{M}^T = 1$.

Line 3

LSA, $\sqrt{\epsilon_{max}}$ the largest semiaxis of the position ellipsoid, in km. (ϵ_{max} is the largest eigenvalue of Λ_{M_1} , in km^2 .)

MSA, $\sqrt{\epsilon_{mid}}$ the middle semiaxis of the position ellipsoid, in km. (ϵ_{mid} is the second-largest, or middle, eigenvalue of Λ_{M_1} , in km^2 .)

SSA, $\sqrt{\epsilon_{min}}$ the smallest semiaxis of the position ellipsoid, in km. (ϵ_{min} is the smallest eigenvalue of Λ_{M_1} , in km^2 .)

The fourth line describes the projection of the above position ellipsoid on the \mathbf{T} - \mathbf{R} plane. This projection is an ellipse with major and minor semiaxes and orientation as described below:

Line 4

EL1 the major semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

EL2

the minor semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

ALF, α

the angle measured counterclockwise from the \mathbf{T} -axis to the major semiaxis direction, in deg ($0 \leq \alpha \leq 180$ deg).

The $\Lambda_{\hat{\mathbf{x}}}$ matrix used in generating the results for this report is

$$\Lambda_{\hat{\mathbf{x}}} = \begin{pmatrix} 100 \times 10^{-10} & 0 & 0 \\ 0 & 9 \times 10^{-10} & 0 \\ 0 & 0 & .09 \times 10^{-10} \end{pmatrix} \left(\frac{\text{km}}{\text{sec}} \right)^2$$

In all cases $\text{LSA} \gg \text{SSA}$, so that the information contained in lines 3 and 4 of the printout is very useful in visualizing the error ellipsoid. The general shape of the ellipsoid is a thin elliptical "pancake." When $\text{MSA} \ll \text{LSA}$, the "pancake" degenerates to approach a pencil shape. By inspecting the "shadow" of the pancake or pencil shape on the \mathbf{T} - \mathbf{R} plane, its orientation may be visualized.

If it is desired to estimate the flight time T_F , this can easily be done by the relation

$$\sigma_F = \frac{1}{V_{hp}} \sigma_S$$

The correlation coefficients between T_F and $\mathbf{B} \cdot \mathbf{T}$ are those given by CST; those between T_F and $\mathbf{B} \cdot \mathbf{R}$ are given by CRS.

IV. CONSTANTS

Constants used in trajectory calculations at the Jet Propulsion Laboratory are given in Ref. 9. For purposes of ready reference those constants used in the calculations contained herein are given below.

Gravitational Constants

1. Sun

$$GM_s = 2.959122083 \times 10^{-4} \text{ au}^3/\text{day}^2$$

2. Earth

$$GM_E = 3.986032 \times 10^5 \text{ km}^3/\text{sec}^2$$

Astronomical Unit-to-Kilometer Conversion Factor

$$1 \text{ au} = 149.599 \times 10^6 \text{ km}$$

Earth's Rotation Rate

$$\omega_E = 4.1780742 \times 10^{-3} \text{ deg/sec}$$

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Erratum

On page 2116 (launch date, December 30, 1965), flight time 122 has been omitted. This orbit has a central angle of 180 deg and an indeterminate inclination.

Earth-Venus Trajectories, 1965-66

Launch date interval: November 29, 1965, to January 7, 1966

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Technical Memorandum No. 33-99

Volume 2, Part C

Earth-Venus Trajectories, 1965-66

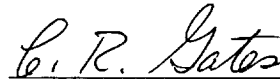
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PASADENA, CALIFORNIA

June 1, 1963

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LAUNCH DATE NOV 29 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 7 1966

HELIOCENTRIC CONIC

DISTANCE 178.580

RL 147.56 LAL .00 LOL 66.57 VL 25.857 GAL -5.17 AZL 86.77 HCA 78.32 SMA 117.42 ECC .27098 INC 3.2253 V1 30.194
 RP 107.50 LAP 3.16 LOP 144.87 VP 36.592 GAP -14.97 AZP 89.35 TAL 194.24 TAP 272.56 RCA 85.60 APO 149.24 V2 35.252
 RC 43.538 GL 16.40 GP -2.19 ZAL 113.38 ZAP 2.27 ETS 74.10 ZAE 152.31 ETE 331.83 ZAC 60.64 ETC 161.04 CLP -.57

PLANETOCENTRIC CONIC

C3 26.330 VML 5.131 DLA -1.37 RAL 310.07 RAD 6568.1 VEL 12.153 PTH 2.18 VMP 9.519 DPA -18.47 RAP 328.43 ECC 1.4333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 21 2238.69 -20.15 43.01 175.53 110.33 4 18 40 1638.7 -17.20 35.58
 90.00 15 19 1 4967.90 22.06 217.48 176.29 71.79 16 41 49 4367.9 19.37 209.84
 100.00 5 2 3 1978.36 -21.27 23.41 175.07 111.52 5 35 2 1378.4 -18.16 16.00
 100.00 16 41 0 4703.46 23.20 197.61 175.87 70.60 17 59 23 4103.5 20.34 189.98
 110.00 6 8 50 1769.33 -24.27 6.15 173.68 114.85 6 38 19 1169.3 -20.71 358.81
 110.00 17 50 42 4485.26 26.24 179.76 174.58 67.27 19 5 28 3885.3 22.93 172.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2530 TRA -.5089 TC3 .3754 BAU .1446 SGT 742.5 SGR 410.5 SG3 91.8 ST 330.2 SR 360.0 SS 329.8
 RDE -.3212 RRA .0928 RC3 -.1665 FAU .02906 RRT -.0768 RRF .0783 RTF -.6890 CRT .8072 CRS .9839 CST .8899
 FDE .3573 FRA .0838 FC3 -.9554 BSP 2108 SGB 848.4 R23 -.0024 R13 .6895 LSA 568.5 MSA 154.4 SSA 19.7
 BDE .4089 BRA .5173 BC3 .4107 FSP -223 SG1 743.4 SG2 408.8 THA 176.51 EL1 464.6 EL2 151.0 ALF 48.06

LAUNCH DATE NOV 29 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 9 1966

HELIOCENTRIC CONIC

DISTANCE 185.379

RL 147.56 LAL .00 LOL 66.57 VL 26.102 GAL -5.20 AZL 86.74 HCA 81.57 SMA 118.76 ECC .25792 INC 3.2591 V1 30.194
 RP 107.51 LAP 3.22 LOP 148.13 VP 36.762 GAP -13.94 AZP 89.52 TAL 195.37 TAP 276.95 RCA 88.13 APO 149.39 V2 35.249
 RC 44.633 GL 17.38 GP -2.33 ZAL 114.80 ZAP 3.60 ETS 79.10 ZAE 150.74 ETE 333.24 ZAC 61.70 ETC 161.25 CLP -2.75

PLANETOCENTRIC CONIC

C3 24.465 VML 4.946 DLA -.84 RAL 308.30 RAD 6568.0 VEL 12.077 PTH 2.16 VMP 8.946 DPA -18.26 RAP 329.54 ECC 1.4026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 19 2237.24 -20.11 42.92 172.66 110.36 4 7 36 1637.2 -17.16 35.49
 90.00 15 15 57 4933.10 21.30 215.21 173.11 70.89 16 38 10 4333.1 18.50 207.66
 100.00 4 51 16 1976.11 -21.21 23.27 172.22 111.57 5 24 12 1376.1 -18.09 15.86
 100.00 16 37 41 4669.46 22.41 195.39 172.68 69.68 17 55 30 4069.5 19.44 187.86
 110.00 5 58 37 1765.27 -24.15 5.90 170.85 114.96 6 28 2 1165.3 -20.58 358.57
 110.00 17 46 49 4453.06 25.38 177.66 171.37 66.29 19 1 2 3853.1 21.95 170.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2581 TRA -.4855 TC3 .4356 BAU .1546 SGT 769.1 SGR 411.2 SG3 103.4 ST 343.6 SR 357.2 SS 356.4
 RDE -.3073 RRA .0843 RC3 -.1832 FAU .03151 RRT -.0840 RRF .0870 RTF -.7063 CRT .8264 CRS .9884 CST .8911
 FDE .3986 FRA .0573 FC3 -1.1149 BSP 2211 SGB 872.1 R23 -.0043 R13 .7069 LSA 590.8 MSA 152.1 SSA 20.6
 BDE .4013 BRA .4927 BC3 .4726 FSP -256 SG1 770.1 SG2 409.1 THA 176.42 EL1 473.6 EL2 145.9 ALF 46.35

LAUNCH DATE NOV 29 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 11 1966

HELIOCENTRIC CONIC

DISTANCE 192.180

RL 147.56 LAL .00 LOL 66.57 VL 26.325 GAL -5.25 AZL 86.71 HCA 84.82 SMA 120.01 ECC .24616 INC 3.2924 V1 30.194
 RP 107.52 LAP 3.28 LOP 151.38 VP 36.916 GAP -12.96 AZP 89.70 TAL 196.56 TAP 281.37 RCA 90.47 APO 149.56 V2 35.244
 RC 45.858 GL 18.33 GP -2.49 ZAL 116.23 ZAP 5.57 ETS 25.30 ZAE 149.36 ETE 334.38 ZAC 62.71 ETC 161.43 CLP -4.98

PLANETOCENTRIC CONIC

C3 22.915 VML 4.787 DLA -.33 RAL 306.52 RAD 6567.9 VEL 12.012 PTH 2.14 VMP 8.402 DPA -18.07 RAP 330.60 ECC 1.3771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 26 2237.06 -20.11 42.91 169.93 110.37 3 56 43 1637.1 -17.15 35.48
 90.00 15 12 38 4901.27 20.58 213.16 170.09 70.11 16 34 20 4301.3 17.68 205.68
 100.00 4 40 37 1975.16 -21.19 23.21 169.48 111.60 5 13 33 1375.2 -18.07 15.80
 100.00 16 34 8 4638.40 21.66 193.39 169.66 68.88 17 51 26 4038.4 18.60 185.94
 110.00 5 48 31 1762.63 -24.07 5.73 168.14 115.03 6 17 54 1162.6 -20.50 358.41
 110.00 17 42 43 4423.70 24.56 175.77 168.33 65.44 18 56 27 3823.7 21.04 168.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2636 TRA -.4619 TC3 .4969 BAU .1641 SGT 794.7 SGR 410.9 SG3 116.6 ST 356.7 SR 353.2 SS 385.1
 RDE -.2942 RRA .0761 RC3 -.1999 FAU .03430 RRT -.0928 RRF .0973 RTF -.7221 CRT .8450 CRS .9918 CST .8930
 FDE .4420 FRA .0258 FC3 -1.2957 BSP 2310 SGB 894.6 R23 -.0062 R13 .7227 LSA 614.3 MSA 149.9 SSA 21.5
 BDE .3950 BRA .4681 BC3 .5356 FSP -295 SG1 795.9 SG2 408.5 THA 176.27 EL1 482.1 EL2 139.7 ALF 44.67

LAUNCH DATE NOV 29 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 13 1966

HELIOCENTRIC CONIC

DISTANCE 198.978

RL 147.56 LAL .00 LOL 66.57 VL 26.526 GAL -5.30 AZL 86.67 HCA 88.06 SMA 121.18 ECC .23561 INC 3.3252 V1 30.194
 RP 107.54 LAP 3.32 LOP 154.63 VP 37.055 GAP -12.02 AZP 89.89 TAL 197.77 TAP 285.83 RCA 92.63 APO 149.73 V2 35.239
 RC 47.202 GL 19.23 GP -2.66 ZAL 117.64 ZAP 7.77 ETS 18.81 ZAE 148.21 ETE 335.30 ZAC 63.65 ETC 161.58 CLP -7.30

PLANETOCENTRIC CONIC

C3 21.632 VML 4.651 DLA .16 RAL 304.76 RAD 6567.9 VEL 11.959 PTH 2.13 VMP 7.886 DPA -17.93 RAP 331.58 ECC 1.3560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 49 2238.07 -20.13 42.97 167.33 110.34 3 46 7 1638.1 -17.18 35.54
 90.00 15 9 11 4872.34 19.90 211.31 167.25 69.43 16 30 23 4272.3 16.92 203.90
 100.00 4 30 14 1975.45 -21.19 23.23 166.90 111.59 5 3 9 1375.5 -18.07 15.82
 100.00 16 30 27 4610.19 20.96 191.59 166.82 68.19 17 47 17 4010.2 17.81 184.21
 110.00 5 38 38 1761.31 -24.04 5.64 165.57 115.07 6 8 0 1161.3 -20.46 358.33
 110.00 17 38 31 4397.10 23.80 174.08 165.48 64.70 18 51 48 3797.1 20.19 166.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2692 TRA -.4382 TC3 .5576 BAU .1730 SGT 818.8 SGR 409.9 SG3 131.5 ST 369.4 SR 348.0 SS 415.9
 RDE -.2817 RRA .0682 RC3 -.2164 FAU .03748 RRT -.1032 RRF .1096 RTF -.7365 CRT .8628 CRS .9942 CST .8955
 FDE .4943 FRA -.0114 FC3 -1.5001 BSP 2407 SGB 915.6 R23 -.0086 R13 .7372 LSA 638.9 MSA 147.9 SSA 22.3
 BDE .3897 BRA .4434 BC3 .5981 FSP -339 SG1 820.2 SG2 407.0 THA 176.07 EL1 489.9 EL2 132.7 ALF 43.02

LAUNCH DATE NOV 29 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 15 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.707 GAL -5.35 AZL 86.64 HCA 91.31 SMA 122.25 ECC .22620 INC 3.3579 V1 30.194
 RP 107.55 LAP 3.36 LOP 157.88 VP 37.179 GAP -11.13 AZP 90.08 TAL 199.00 TAP 290.31 RCA 94.60 APO 149.91 V2 35.234
 RC 48.656 GL 20.08 GP -2.85 ZAL 119.02 ZAP 10.11 ETS 15.18 ZAE 147.29 ETE 336.00 ZAC 64.51 ETC 161.70 CLP -9.70

PLANETOCENTRIC CONIC
 C3 20.574 VHL 4.536 DLA .61 RAL 303.03 RAD 6567.8 VEL 11.914 PTH 2.12 VHP 7.398 OPA -17.83 RAP 332.48 ECC 1.3386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 32 2240.17 -20.18 43.11 164.90 110.29 3 35 53 1640.2 -17.24 35.67
 90.00 15 5 40 4846.14 19.26 209.65 164.61 68.84 16 26 27 4246.1 16.22 202.30
 100.00 4 20 10 1976.87 -21.23 23.32 164.47 111.55 4 53 7 1376.9 -18.11 15.91
 100.00 16 26 44 4584.67 20.31 189.98 164.16 67.58 17 43 9 3984.7 17.09 182.66
 110.00 5 29 4 1761.21 -24.03 5.64 163.16 115.07 5 58 25 1161.2 -20.45 358.32
 110.00 17 34 19 4373.10 23.09 172.57 162.82 64.07 18 47 12 3773.1 19.41 165.36

DIFFERENTIAL CORRECTIONS
 TDE -.2753 TRA -.4148 TC3 .6153 BAU .1809
 RDE -.2697 RRA .0606 RC3 -.2327 FAU .04111
 FDE .5552 FRA -.0549 FC3 -1.7300 BSP 2490
 BDE .3854 BRA .4192 BC3 .6578 FSP -389

MID-COURSE EXECUTION ACCURACY
 SGT 840.8 SGR 408.1 SG3 148.6
 RRT -.1150 RRF .1240 RTF -.7490
 SGB 934.6 R23 -.0120 R13 .7499
 SG1 842.5 SG2 404.5 THA 175.85

ORBIT DETERMINATION ACCURACY
 ST 382.0 SR 341.5 SS 449.4
 CRT .8796 CRS .9956 CST .8986
 LSA 665.3 MSA 146.4 SSA 22.9
 EL1 496.9 EL2 124.9 ALF 41.37

LAUNCH DATE NOV 29 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 17 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.870 GAL -5.41 AZL 86.61 HCA 94.55 SMA 123.25 ECC .21784 INC 3.3907 V1 30.194
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.291 GAP -10.27 AZP 90.27 TAL 200.24 TAP 294.78 RCA 96.40 APO 150.09 V2 35.227
 RC 50.208 GL 20.88 GP -3.07 ZAL 120.34 ZAP 12.58 ETS 12.89 ZAE 146.62 ETE 336.50 ZAC 65.28 ETC 161.78 CLP -12.20

PLANETOCENTRIC CONIC
 C3 19.705 VHL 4.439 DLA 1.05 RAL 301.36 RAD 6567.8 VEL 11.878 PTH 2.11 VHP 6.935 OPA -17.78 RAP 333.29 ECC 1.3243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 42 2243.27 -20.25 43.31 162.64 110.22 3 26 5 1643.3 -17.32 35.86
 90.00 15 2 14 4822.47 18.68 208.16 162.16 68.32 16 22 36 4222.5 15.57 200.86
 100.00 4 10 31 1979.33 -21.29 23.47 162.22 111.49 4 43 31 1379.3 -18.18 16.06
 100.00 16 23 5 4561.65 19.70 188.53 161.71 67.05 17 39 7 3961.6 16.42 181.27
 110.00 5 19 53 1762.22 -24.06 5.70 160.93 115.05 5 49 15 1162.2 -20.49 358.38
 110.00 17 30 13 4351.52 22.44 171.23 160.36 63.51 18 42 44 3751.5 18.70 164.09

DIFFERENTIAL CORRECTIONS
 TDE -.2807 TRA -.3916 TC3 .6694 BAU .1881
 RDE -.2580 RRA .0532 RC3 -.2488 FAU .04527
 FDE .6254 FRA -.1058 FC3 -1.9891 BSP 2572
 BDE .3813 BRA .3952 BC3 .7142 FSP -448

MID-COURSE EXECUTION ACCURACY
 SGT 860.3 SGR 405.5 SG3 168.2
 RRT -.1300 RRF .1417 RTF -.7602
 SGB 951.1 R23 -.0156 R13 .7613
 SG1 862.4 SG2 401.1 THA 175.52

ORBIT DETERMINATION ACCURACY
 ST 393.2 SR 333.7 SS 485.3
 CRT .8948 CRS .9963 CST .9018
 LSA 692.7 MSA 145.5 SSA 23.4
 EL1 502.4 EL2 116.6 ALF 39.78

LAUNCH DATE NOV 29 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.016 GAL -5.47 AZL 86.58 HCA 97.79 SMA 124.15 ECC .21044 INC 3.4238 V1 30.194
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.389 GAP -9.45 AZP 90.46 TAL 201.45 TAP 299.24 RCA 98.03 APO 150.28 V2 35.220
 RC 51.850 GL 21.62 GP -3.32 ZAL 121.58 ZAP 15.18 ETS 11.34 ZAE 146.19 ETE 336.80 ZAC 65.94 ETC 161.83 CLP -14.82

PLANETOCENTRIC CONIC
 C3 18.995 VHL 4.358 DLA 1.46 RAL 299.78 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 6.499 OPA -17.80 RAP 333.99 ECC 1.3126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 20 2247.28 -20.35 43.56 160.57 110.13 3 16 47 1647.3 -17.42 36.11
 90.00 14 58 57 4801.08 18.13 206.83 159.91 67.87 16 18 58 4201.1 14.97 199.57
 100.00 4 1 21 1982.72 -21.37 23.69 160.15 111.41 4 34 24 1382.7 -18.28 16.27
 100.00 16 19 37 4540.88 19.14 187.24 159.46 66.59 17 35 17 3940.9 15.81 180.03
 110.00 5 11 9 1764.25 -24.12 5.83 158.88 114.99 5 40 33 1164.3 -20.55 358.51
 110.00 17 26 18 4332.11 21.85 170.04 158.10 63.03 18 38 30 3732.1 18.06 162.96

DIFFERENTIAL CORRECTIONS
 TDE -.2858 TRA -.3695 TC3 .7165 BAU .1940
 RDE -.2464 RRA .0461 RC3 -.2648 FAU .05000
 FDE .7071 FRA -.1647 FC3 -2.2788 BSP 2635
 BDE .3773 BRA .3724 BC3 .7639 FSP -515

MID-COURSE EXECUTION ACCURACY
 SGT 876.0 SGR 402.3 SG3 190.4
 RRT -.1473 RRF .1626 RTF -.7690
 SGB 964.0 R23 -.0204 R13 .7704
 SG1 878.5 SG2 396.8 THA 175.14

ORBIT DETERMINATION ACCURACY
 ST 403.5 SR 324.5 SS 524.3
 CRT .9084 CRS .9963 CST .9049
 LSA 722.0 MSA 145.4 SSA 23.6
 EL1 506.3 EL2 108.1 ALF 38.20

LAUNCH DATE NOV 29 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.147 GAL -5.52 AZL 86.54 HCA 101.03 SMA 124.98 ECC .20393 INC 3.4574 V1 30.194
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.477 GAP -8.67 AZP 90.66 TAL 202.63 TAP 303.66 RCA 99.49 APO 150.47 V2 35.212
 RC 53.572 GL 22.32 GP -3.59 ZAL 122.74 ZAP 17.93 ETS 10.22 ZAE 146.02 ETE 336.90 ZAC 66.49 ETC 161.83 CLP -17.57

PLANETOCENTRIC CONIC
 C3 18.417 VHL 4.291 DLA 1.85 RAL 298.29 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 6.087 OPA -17.89 RAP 334.57 ECC 1.3031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 30 2252.12 -20.46 43.87 158.68 110.01 3 8 2 1652.1 -17.55 36.41
 90.00 14 55 54 4781.72 17.63 205.62 157.86 67.48 16 15 35 4181.7 14.43 198.41
 100.00 3 52 42 1986.98 -21.48 23.96 158.27 111.30 4 25 49 1387.0 -18.39 16.53
 100.00 16 16 23 4522.10 18.63 186.08 157.41 66.19 17 31 45 3922.1 15.26 178.92
 110.00 5 2 55 1767.20 -24.21 6.02 157.01 114.91 5 32 22 1167.2 -20.64 358.68
 110.00 17 22 39 4314.64 21.30 168.97 156.05 62.61 18 34 34 3714.6 17.47 161.95

DIFFERENTIAL CORRECTIONS
 TDE -.2883 TRA -.3469 TC3 .7597 BAU .1994
 RDE -.2346 RRA .0391 RC3 -.2810 FAU .05547
 FDE .8003 FRA -.2343 FC3 -2.6074 BSP 2727
 BDE .3717 BRA .3491 BC3 .8100 FSP -596

MID-COURSE EXECUTION ACCURACY
 SGT 887.7 SGR 398.7 SG3 216.0
 RRT -.1720 RRF .1893 RTF -.7776
 SGB 973.2 R23 -.0237 R13 .7793
 SG1 891.0 SG2 391.3 THA 174.52

ORBIT DETERMINATION ACCURACY
 ST 409.7 SR 313.7 SS 565.2
 CRT .9200 CRS .9956 CST .9074
 LSA 750.9 MSA 145.6 SSA 23.6
 EL1 506.3 EL2 99.5 ALF 36.82

LAUNCH DATE NOV 29 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC

DISTANCE 232.799

RL 147.56 LAL .00 LOL 66.57 VL 27.263 GAL -5.57 AZL 86.51 HCA 104.27 SMA 125.73 ECC .19821 INC 3.4917 V1 30.194
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.553 GAP -7.92 AZP 90.86 TAL 203.76 TAP 308.03 RCA 100.81 APO 150.65 V2 35.204
 RC 55.368 GL 22.96 GP -3.90 ZAL 123.79 ZAP 20.83 ETS 9.38 ZAE 146.11 ETE 336.77 ZAC 66.90 ETC 161.79 CLP -20.47

PLANETOCENTRIC CONIC

C3 17.949 VHL 4.237 OLA 2.22 RAL 296.91 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 5.700 DPA -18.06 RAP 335.02 ECC 1.2954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 12 2257.75 -20.59 44.23 156.99 109.88 2 59 50 1657.7 -17.70 36.76
 90.00 14 53 10 4764.07 17.17 204.54 156.02 67.13 16 12 34 4164.1 13.92 197.36
 100.00 3 44 35 1992.04 -21.60 24.29 156.58 111.18 4 17 47 1392.0 -18.53 16.84
 100.00 16 13 29 4505.01 18.16 185.03 155.57 65.84 17 28 34 3905.0 14.74 177.91
 110.00 4 55 12 1771.01 -24.31 6.26 155.33 114.80 5 24 43 1171.0 -20.76 358.91
 110.00 17 19 21 4298.81 20.81 168.02 154.20 62.25 18 31 0 3698.8 16.93 161.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2909 TRA -.3275 TC3 .7893 BAU .2024 SGT 893.6 SGR 394.8 SG3 244.9 ST 415.8 SR 301.1 SS 610.3
 RDE -.2224 RRA .0321 RC3 -.2974 FAU .06162 RRT -.1971 RRF .2201 RTF -.7819 CRT .9300 CRS .9945 CST .9097
 FDE .9099 FRA -.3127 FC3-2.9720 BSP 2754 SGB 976.9 R23 -.0313 R13 .7842 LSA 783.5 MSA 146.9 SSA 23.4
 BDE .3661 BRA .3291 BC3 .8435 FSP -685 SG1 897.8 SG2 385.2 THA 173.90 EL1 505.2 EL2 91.1 ALF 35.28

LAUNCH DATE NOV 29 1965

FLIGHT TIME 88.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 239.510

RL 147.56 LAL .00 LOL 66.57 VL 27.366 GAL -5.62 AZL 86.47 HCA 107.50 SMA 126.40 ECC .19322 INC 3.5270 V1 30.194
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.619 GAP -7.20 AZP 91.06 TAL 204.83 TAP 312.33 RCA 101.98 APO 150.82 V2 35.195
 RC 57.230 GL 23.56 GP -4.25 ZAL 124.73 ZAP 23.90 ETS 8.71 ZAE 146.47 ETE 336.39 ZAC 67.17 ETC 161.69 CLP -23.54

PLANETOCENTRIC CONIC

C3 17.572 VHL 4.192 OLA 2.59 RAL 295.64 RAD 6567.7 VEL 11.788 PTH 2.08 VHP 5.337 DPA -18.33 RAP 335.31 ECC 1.2892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 27 2264.12 -20.74 44.64 155.48 109.72 2 52 11 1664.1 -17.86 37.15
 90.00 14 50 50 4747.83 16.74 203.54 154.37 66.82 16 9 58 4147.8 13.46 196.40
 100.00 3 37 0 1997.86 -21.75 24.66 155.08 111.03 4 10 18 1397.9 -18.69 17.20
 100.00 16 10 59 4489.32 17.72 184.08 153.92 65.52 17 25 48 3889.3 14.27 176.98
 110.00 4 48 1 1775.61 -24.45 6.55 153.85 114.67 5 17 36 1175.6 -20.91 359.19
 110.00 17 16 27 4284.34 20.34 167.15 152.55 61.92 18 27 52 3684.3 16.43 160.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2917 TRA -.3106 TC3 .8073 BAU .2035 SGT 893.1 SGR 390.8 SG3 277.8 ST 419.1 SR 286.5 SS 659.0
 RDE -.2094 RRA .0252 RC3 -.3147 FAU .06860 RRT -.2266 RRF .2570 RTF -.7831 CRT .9381 CRS .9930 CST .9111
 FDE 1.0367 FRA -.4019 FC3-3.3797 BSP 2758 SGB 974.9 R23 -.0418 R13 .7863 LSA 818.1 MSA 148.8 SSA 23.0
 BDE .3591 BRA .3116 BC3 .8664 FSP -787 SG1 898.4 SG2 378.4 THA 173.11 EL1 500.8 EL2 83.1 ALF 33.73

LAUNCH DATE NOV 29 1965

FLIGHT TIME 90.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 246.197

RL 147.56 LAL .00 LOL 66.57 VL 27.456 GAL -5.66 AZL 86.44 HCA 110.74 SMA 127.00 ECC .18887 INC 3.5636 V1 30.194
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.677 GAP -6.52 AZP 91.26 TAL 205.82 TAP 316.56 RCA 103.01 APO 150.99 V2 35.186
 RC 59.192 GL 24.12 GP -4.64 ZAL 125.56 ZAP 27.16 ETS 8.16 ZAE 147.11 ETE 335.71 ZAC 67.27 ETC 161.53 CLP -26.79

PLANETOCENTRIC CONIC

C3 17.271 VHL 4.156 OLA 2.94 RAL 294.50 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 4.998 DPA -18.70 RAP 335.44 ECC 1.2842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 14 2271.24 -20.90 45.10 154.16 109.55 2 45 6 1671.2 -18.05 37.59
 90.00 14 48 57 4732.69 16.33 202.62 152.91 66.54 16 7 50 4132.7 13.02 195.51
 100.00 3 29 57 2004.44 -21.91 25.08 153.77 110.86 4 3 22 1404.4 -18.87 17.60
 100.00 16 8 56 4474.73 17.31 183.19 152.46 65.24 17 23 30 3874.7 13.82 176.13
 110.00 4 41 21 1780.98 -24.60 6.90 152.54 114.52 5 11 2 1181.0 -21.08 359.51
 110.00 17 14 1 4270.95 19.91 166.35 151.08 61.62 18 25 12 3671.0 15.97 159.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2898 TRA -.2962 TC3 .8120 BAU .2026 SGT 884.4 SGR 387.3 SG3 315.1 ST 418.4 SR 269.8 SS 711.2
 RDE -.1955 RRA .0182 RC3 -.3332 FAU .07648 RRT -.2612 RRF .3012 RTF -.7808 CRT .9443 CRS .9912 CST .9113
 FDE 1.1830 FRA -.5033 FC3-3.8339 BSP 2734 SGB 965.5 R23 -.0556 R13 .7853 LSA 854.6 MSA 151.1 SSA 22.4
 BDE .3496 BRA .2967 BC3 .8777 FSP -904 SG1 891.4 SG2 370.9 THA 172.10 EL1 492.1 EL2 75.5 ALF 32.19

LAUNCH DATE NOV 29 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 252.860

RL 147.56 LAL .00 LOL 66.57 VL 27.535 GAL -5.69 AZL 86.40 HCA 113.97 SMA 127.53 ECC .18510 INC 3.6017 V1 30.194
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.725 GAP -5.86 AZP 91.47 TAL 206.72 TAP 320.70 RCA 103.93 APO 151.14 V2 35.176
 RC 61.127 GL 24.65 GP -5.08 ZAL 126.26 ZAP 30.64 ETS 7.68 ZAE 148.01 ETE 334.68 ZAC 67.19 ETC 161.29 CLP -30.25

PLANETOCENTRIC CONIC

C3 17.031 VHL 4.127 OLA 3.30 RAL 293.49 RAD 6567.7 VEL 11.765 PTH 2.08 VHP 4.683 DPA -19.19 RAP 335.38 ECC 1.2803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 32 2279.11 -21.08 45.61 153.02 109.36 2 38 31 1679.1 -18.25 38.08
 90.00 14 47 34 4718.37 15.94 201.75 151.64 66.28 16 6 13 4118.4 12.60 194.66
 100.00 3 23 25 2011.77 -22.08 25.56 152.63 110.67 3 56 57 1411.8 -19.07 18.06
 100.00 16 7 22 4460.94 16.91 182.36 151.18 64.98 17 21 43 3860.9 13.40 175.33
 110.00 4 35 12 1787.10 -24.77 7.29 151.42 114.35 5 4 59 1187.1 -21.27 359.89
 110.00 17 12 5 4258.38 19.50 165.60 149.79 61.36 18 23 3 3658.4 15.53 158.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2829 TRA -.2837 TC3 .8050 BAU .2002 SGT 866.8 SGR 385.0 SG3 357.3 ST 410.7 SR 250.8 SS 765.8
 RDE -.1805 RRA .0109 RC3 -.3536 FAU .08545 RRT -.3040 RRF .3545 RTF -.7748 CRT .9487 CRS .9887 CST .9092
 FDE 1.3481 FRA -.6196 FC3-4.3435 BSP 2715 SGB 948.5 R23 -.0722 R13 .7815 LSA 891.1 MSA 153.2 SSA 21.7
 BDE .3356 BRA .2839 BC3 .8792 FSP -1042 SG1 876.3 SG2 362.8 THA 170.70 EL1 476.4 EL2 68.4 ALF 30.79

LAUNCH DATE NOV 29 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.604 GAL -5.72 AZL 86.36 HCA 117.20 SMA 128.00 ECC .18184 INC 3.6418 V1 30.194
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.765 GAP -5.22 AZP 91.67 TAL 207.53 TAP 324.74 RCA 104.72 APO 151.27 V2 35.166
 RC 63.151 GL 25.16 GP -5.58 ZAL 126.85 ZAP 34.34 ETS 7.24 ZAE 149.19 ETE 333.20 ZAC 66.91 ETC 160.96 CLP -33.94

PLANETOCENTRIC CONIC
 C3 16.842 VHL 4.104 DLA 3.66 RAL 292.60 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 4.393 DPA -19.82 RAP 335.11 ECC 1.2772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 18 2287.79 -21.28 46.17 152.06 109.14 2 32 26 1687.8 -18.47 38.62
 90.00 14 46 44 4704.54 15.56 200.91 150.53 66.04 16 5 9 4104.5 12.19 193.85
 100.00 3 17 21 2019.90 -22.28 26.08 151.67 110.46 3 51 1 1419.9 -19.29 18.56
 100.00 16 6 22 4447.67 16.53 181.56 150.07 64.73 17 20 30 3847.7 12.99 174.56
 110.00 4 29 31 1794.01 -24.96 7.73 150.47 114.15 4 59 25 1194.0 -21.49 .31
 110.00 17 10 41 4246.32 19.11 164.89 148.68 61.10 18 21 27 3646.3 15.11 158.06

DIFFERENTIAL CORRECTIONS
 TDE -.2737 TRA -.2770 TC3 .7770 BAU .1944
 RDE -.1638 RRA .0033 RC3 -.3761 FAU .09529
 FDE 1.5397 FRA -.7453 FC3-4.8984 BSP 2612
 BDE .3190 BRA .2771 BC3 .8632 FSP -1190

MID-COURSE EXECUTION ACCURACY
 SGT 838.4 SGR 384.2 SG3 404.1
 RRT -.3454 RRF .4143 RTF -.7603
 SGB 922.3 R23 -.1002 R13 .7709
 SG1 851.1 SG2 355.2 THA 169.08

ORBIT DETERMINATION ACCURACY
 ST 399.9 SR 228.9 SS 825.7
 CRT .9511 CRS .9859 CST .9051
 LSA 932.4 MSA 155.9 SSA 20.9
 EL1 456.6 EL2 61.9 ALF 29.15

LAUNCH DATE NOV 29 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.662 GAL -5.74 AZL 86.32 HCA 120.43 SMA 128.40 ECC .17904 INC 3.6843 V1 30.194
 RP 107.80 LAP 3.18 LOP 187.05 VP 37.798 GAP -4.62 AZP 91.87 TAL 208.24 TAP 328.67 RCA 105.41 APO 151.39 V2 35.155
 RC 65.219 GL 25.65 GP -6.14 ZAL 127.31 ZAP 38.29 ETS 6.81 ZAE 150.61 ETE 331.16 ZAC 66.43 ETC 160.53 CLP -37.87

PLANETOCENTRIC CONIC
 C3 16.693 VHL 4.086 DLA 4.03 RAL 291.84 RAD 6567.7 VEL 11.751 PTH 2.07 VHP 4.127 DPA -20.58 RAP 334.62 ECC 1.2747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 29 2297.34 -21.49 46.79 151.26 108.90 2 26 46 1697.3 -18.71 39.22
 90.00 14 46 29 4690.93 15.18 200.09 149.59 65.81 16 4 40 4090.9 11.78 193.06
 100.00 3 11 43 2028.88 -22.49 26.66 150.88 110.23 3 45 32 1428.9 -19.53 19.12
 100.00 16 5 57 4434.63 16.15 180.78 149.13 64.50 17 19 51 3834.6 12.58 173.80
 110.00 4 24 18 1801.73 -25.18 8.23 149.69 113.92 4 54 19 1201.7 -21.73 .78
 110.00 17 9 51 4234.54 18.72 164.20 147.73 60.86 18 20 26 3634.5 14.69 157.40

DIFFERENTIAL CORRECTIONS
 TDE -.2591 TRA -.2749 TC3 .7304 BAU .1860
 RDE -.1454 RRA -.0046 RC3 -.4015 FAU .10616
 FDE 1.7548 FRA -.8835 FC3-5.5055 BSP 2474
 BDE .2971 BRA .2750 BC3 .8334 FSP -1357

MID-COURSE EXECUTION ACCURACY
 SGT 798.5 SGR 386.3 SG3 455.9
 RRT -.3864 RRF .4819 RTF -.7356
 SGB 887.0 R23 -.1409 R13 .7531
 SG1 815.6 SG2 348.9 THA 166.99

ORBIT DETERMINATION ACCURACY
 ST 381.9 SR 204.1 SS 888.7
 CRT .9511 CRS .9821 CST .8967
 LSA 975.6 MSA 158.6 SSA 20.0
 EL1 429.3 EL2 56.1 ALF 27.46

LAUNCH DATE NOV 29 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.712 GAL -5.75 AZL 86.27 HCA 123.66 SMA 128.74 ECC .17663 INC 3.7296 V1 30.194
 RP 107.83 LAP 3.10 LOP 190.29 VP 37.824 GAP -4.03 AZP 92.07 TAL 208.83 TAP 332.50 RCA 106.00 APO 151.48 V2 35.143
 RC 67.327 GL 26.13 GP -6.76 ZAL 127.65 ZAP 42.50 ETS 6.36 ZAE 152.27 ETE 328.39 ZAC 65.72 ETC 159.96 CLP -42.06

PLANETOCENTRIC CONIC
 C3 16.579 VHL 4.072 DLA 4.42 RAL 291.21 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 3.886 DPA -21.50 RAP 333.90 ECC 1.2729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 3 2307.86 -21.72 47.48 150.63 108.63 2 21 30 1707.9 -18.97 39.88
 90.00 14 46 52 4677.26 14.80 199.27 148.81 65.58 16 4 49 4077.3 11.38 192.26
 100.00 3 6 28 2038.80 -22.72 27.31 150.25 109.96 3 40 26 1438.8 -19.80 19.74
 100.00 16 6 8 4421.55 15.76 180.00 148.34 64.27 17 19 49 3821.6 12.17 173.05
 110.00 4 19 28 1810.33 -25.41 8.79 149.07 113.67 4 49 38 1210.3 -21.99 1.30
 110.00 17 9 37 4222.79 18.33 163.51 146.94 60.63 18 20 0 3622.8 14.28 156.74

DIFFERENTIAL CORRECTIONS
 TDE -.2371 TRA -.2770 TC3 .6659 BAU .1757
 RDE -.1250 RRA -.0132 RC3 -.4304 FAU .11805
 FDE 1.9910 FRA-1.0354 FC3-6.1645 BSP 2317
 BDE .2681 BRA .2773 BC3 .7929 FSP -1546

MID-COURSE EXECUTION ACCURACY
 SGT 747.2 SGR 392.6 SG3 512.5
 RRT -.4231 RRF .5556 RTF -.6963
 SGB 844.0 R23 -.1983 R13 .7270
 SG1 770.3 SG2 345.1 THA 164.22

ORBIT DETERMINATION ACCURACY
 ST 354.1 SR 176.3 SS 953.4
 CRT .9480 CRS .9763 CST .8811
 LSA 1019.4 MSA 160.6 SSA 19.1
 EL1 392.3 EL2 50.6 ALF 25.73

LAUNCH DATE NOV 29 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.754 GAL -5.76 AZL 86.22 HCA 126.89 SMA 129.03 ECC .17457 INC 3.7785 V1 30.194
 RP 107.87 LAP 3.02 LOP 193.52 VP 37.844 GAP -3.47 AZP 92.27 TAL 209.32 TAP 336.21 RCA 106.51 APO 151.56 V2 35.132
 RC 69.470 GL 26.62 GP -7.46 ZAL 127.88 ZAP 46.97 ETS 5.88 ZAE 154.10 ETE 324.66 ZAC 64.80 ETC 159.25 CLP -46.51

PLANETOCENTRIC CONIC
 C3 16.493 VHL 4.061 DLA 4.83 RAL 290.69 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 3.670 DPA -22.58 RAP 332.92 ECC 1.2714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 54 2319.49 -21.97 48.24 150.15 108.33 2 16 34 1719.5 -19.26 40.61
 90.00 14 47 54 4663.24 14.40 198.43 148.17 65.35 16 5 37 4063.2 10.96 191.45
 100.00 3 1 31 2049.80 -22.98 28.03 149.77 109.67 3 35 41 1449.8 -20.09 20.43
 100.00 16 6 58 4408.17 15.36 179.20 147.70 64.04 17 20 26 3808.2 11.75 172.28
 110.00 4 14 58 1819.92 -25.67 9.41 148.60 113.38 4 45 18 1219.9 -22.29 1.89
 110.00 17 10 0 4210.81 17.93 162.81 146.29 60.40 18 20 11 3610.8 13.85 156.07

DIFFERENTIAL CORRECTIONS
 TDE -.2095 TRA -.2867 TC3 .5753 BAU .1628
 RDE -.1022 RRA -.0221 RC3 -.4626 FAU .13047
 FDE 2.2535 FRA-1.1898 FC3-6.8486 BSP 2081
 BDE .2330 BRA .2875 BC3 .7382 FSP -1741

MID-COURSE EXECUTION ACCURACY
 SGT 685.9 SGR 403.7 SG3 572.4
 RRT -.4344 RRF .6299 RTF -.6283
 SGB 795.8 R23 -.2868 R13 .6853
 SG1 715.4 SG2 348.5 THA 160.98

ORBIT DETERMINATION ACCURACY
 ST 319.9 SR 144.9 SS 1022.1
 CRT .9402 CRS .9670 CST .8536
 LSA 1068.3 MSA 163.0 SSA 18.1
 EL1 348.3 EL2 45.3 ALF 23.49

LAUNCH DATE NOV 29 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 285.775

RL 147.56 LAL .00 LOL 66.57 VL 27.788 GAL -5.75 AZL 86.17 MCA 130.11 SMA 129.27 ECC .17282 INC 3.8316 V1 30.194
 RP 107.90 LAP 2.93 LOP 196.74 VP 37.858 GAP -2.94 AZP 92.47 TAL 209.70 TAP 339.81 RCA 106.93 APO 151.61 V2 35.120
 RC 71.643 GL 27.12 GP -0.24 ZAL 127.98 ZAP 51.70 ETS 5.33 ZAE 156.03 ETE 319.68 ZAC 63.68 ETC 158.36 CLP -51.23

PLANETOCENTRIC CONIC

C3 16.430 VHL 4.053 DLA 5.27 RAL 290.29 RAD 6567.7 VEL 11.739 PTH 2.07 VHP 3.480 DPA -23.81 RAP 331.69 ECC 1.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 0 2332.40 -22.24 49.09 149.82 107.99 2 11 52 1732.4 -19.58 41.43
 90.00 14 49 37 4648.60 13.98 197.56 147.67 65.12 16 7 6 4048.6 10.51 190.60
 100.00 2 56 49 2062.02 -23.26 28.83 149.45 109.33 3 31 11 1462.0 -20.41 21.19
 100.00 16 8 29 4394.21 14.95 178.38 147.19 63.81 17 21 43 3794.2 11.31 171.48
 110.00 4 10 45 1830.62 -25.96 10.11 148.29 113.06 4 41 16 1230.6 -22.61 2.53
 110.00 17 11 2 4198.37 17.51 162.09 145.77 60.16 18 21 0 3598.4 13.41 155.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1735 TRA -.3027 TC3 .4611 BAU .1492 SGT 620.1 SGR 420.9 SG3 634.8 ST 277.3 SR 110.2 SS 1092.3
 RDE -.0769 RRA -.0316 RC3 -.4986 FAU .14334 RRT -.4029 RRF .7020 RTF -.5147 CRT .9247 CRS .9479 CST .8008
 FDE 2.5343 FRA -1.3476 FC3 -7.5526 BSP 1814 SGB 749.5 R23 -.4094 R13 .6240 LSA 1120.1 MSA 165.0 SSA 17.1
 BDE .1898 BRA .3044 BC3 .6791 FSP -1946 SG1 654.6 SG2 365.0 THA 157.30 EL1 295.8 EL2 39.3 ALF 20.55

LAUNCH DATE NOV 29 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 292.274

RL 147.56 LAL .00 LOL 66.57 VL 27.815 GAL -5.74 AZL 86.11 MCA 133.33 SMA 129.46 ECC .17133 INC 3.8900 V1 30.194
 RP 107.94 LAP 2.83 LOP 199.97 VP 37.866 GAP -2.42 AZP 92.67 TAL 209.97 TAP 343.30 RCA 107.28 APO 151.64 V2 35.108
 RC 73.845 GL 27.63 GP -9.10 ZAL 127.96 ZAP 56.69 ETS 4.71 ZAE 157.91 ETE 313.06 ZAC 62.37 ETC 157.26 CLP -56.21

PLANETOCENTRIC CONIC

C3 16.389 VHL 4.048 DLA 5.74 RAL 290.01 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 3.317 DPA -25.21 RAP 330.21 ECC 1.2697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 14 2346.81 -22.54 50.04 149.63 107.61 2 7 21 1746.8 -19.92 42.34
 90.00 14 52 5 4633.05 13.53 196.63 147.30 64.89 16 9 18 4033.0 10.04 189.70
 100.00 2 52 17 2075.68 -23.56 29.73 149.27 108.95 3 26 53 1475.7 -20.76 22.06
 100.00 16 10 43 4379.41 14.50 177.50 146.82 63.97 17 23 42 3779.4 10.83 170.63
 110.00 4 6 46 1842.62 -26.28 10.90 148.13 112.69 4 37 28 1242.6 -22.97 3.30
 110.00 17 12 44 4185.23 17.06 161.34 145.39 59.92 18 22 29 3585.2 12.94 154.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1274 TRA -.3247 TC3 .3245 BAU .1378 SGT 561.1 SGR 445.6 SG3 697.8 ST 227.5 SR 73.2 SS 1159.9
 RDE -.0493 RRA -.0417 RC3 -.5386 FAU .15634 RRT -.2984 RRF .7681 RTF -.3281 CRT .8973 CRS .8927 CST .6864
 FDE 2.8199 FRA -1.5063 FC3 -8.2582 BSP 1573 SGB 716.5 R23 -.5631 R13 .5326 LSA 1172.4 MSA 166.2 SSA 16.1
 BDE .1366 BRA .3273 BC3 .6288 FSP -2165 SG1 592.7 SG2 402.6 THA 153.97 EL1 237.0 EL2 31.0 ALF 16.40

LAUNCH DATE NOV 29 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 298.745

RL 147.56 LAL .00 LOL 66.57 VL 27.835 GAL -5.72 AZL 86.05 MCA 136.55 SMA 129.60 ECC .17008 INC 3.9548 V1 30.194
 RP 107.98 LAP 2.72 LOP 203.19 VP 37.869 GAP -1.93 AZP 92.87 TAL 210.13 TAP 346.68 RCA 107.56 APO 151.64 V2 35.095
 RC 76.070 GL 28.17 GP -10.06 ZAL 127.83 ZAP 61.89 ETS 3.98 ZAE 159.57 ETE 304.46 ZAC 60.91 ETC 155.95 CLP -61.41

PLANETOCENTRIC CONIC

C3 16.369 VHL 4.046 DLA 6.27 RAL 289.83 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 3.180 DPA -26.75 RAP 328.50 ECC 1.2694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 31 2363.01 -22.87 51.11 149.59 107.17 2 2 54 1763.0 -20.31 43.38
 90.00 14 55 21 4616.26 13.05 195.64 147.06 64.64 16 12 18 4016.3 9.53 188.73
 100.00 2 47 51 2091.05 -23.90 30.75 149.24 108.51 3 22 42 1491.0 -21.15 23.03
 100.00 16 13 43 4363.46 14.01 176.57 146.57 63.32 17 26 27 3763.5 10.32 169.72
 110.00 4 2 54 1856.15 -26.63 11.79 148.11 112.27 4 33 50 1256.2 -23.37 4.14
 110.00 17 15 9 4171.12 16.58 160.53 145.13 59.67 18 24 40 3571.1 12.43 153.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0727 TRA -.3549 TC3 .1609 BAU .1320 SGT 532.2 SGR 476.7 SG3 757.8 ST 183.4 SR 37.5 SS 1228.3
 RDE -.0189 RRA -.0518 RC3 -.5811 FAU .16848 RRT -.0833 RRF .8239 RTF -.0443 CRT .8813 CRS .5939 CST .4247
 FDE 3.1134 FRA -1.6470 FC3 -8.9109 BSP 1387 SGB 714.5 R23 -.7777 R13 .2733 LSA 1231.1 MSA 167.7 SSA 15.0
 BDE .0752 BRA .3587 BC3 .6030 FSP -2364 SG1 538.8 SG2 469.2 THA 161.46 EL1 186.4 EL2 17.5 ALF 10.32

LAUNCH DATE NOV 29 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 305.187

RL 147.56 LAL .00 LOL 66.57 VL 27.850 GAL -5.68 AZL 85.97 MCA 139.77 SMA 129.70 ECC .16902 INC 4.0278 V1 30.194
 RP 108.02 LAP 2.60 LOP 206.40 VP 37.868 GAP -1.45 AZP 93.08 TAL 210.19 TAP 349.95 RCA 107.78 APO 151.63 V2 35.082
 RC 78.316 GL 28.76 GP -11.10 ZAL 127.57 ZAP 67.27 ETS 3.14 ZAE 160.73 ETE 293.77 ZAC 59.35 ETC 154.38 CLP -66.81

PLANETOCENTRIC CONIC

C3 16.369 VHL 4.046 DLA 6.84 RAL 289.75 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 3.071 DPA -28.42 RAP 326.59 ECC 1.2694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 45 2381.38 -23.24 52.33 149.70 106.66 1 58 27 1781.4 -20.73 44.55
 90.00 14 59 29 4597.91 12.51 194.56 146.93 64.39 16 16 7 3997.9 8.96 187.68
 100.00 2 43 22 2108.48 -24.27 31.91 149.35 108.01 3 18 30 1508.5 -21.58 24.15
 100.00 16 17 33 4346.04 13.48 175.55 146.44 63.07 17 29 59 3746.0 9.76 168.74
 110.00 3 59 5 1871.53 -27.02 12.81 148.24 111.78 4 30 16 1271.5 -23.82 5.11
 110.00 17 18 20 4155.76 16.05 159.65 144.98 59.41 18 27 35 3555.8 11.87 153.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0068 TRA -.3908 TC3 -.0230 BAU .1373 SGT 557.7 SGR 515.3 SG3 813.0 ST 167.5 SR 36.2 SS 1290.1
 RDE .0134 RRA -.0625 RC3 -.6268 FAU .17966 RRT .2049 RRF .8696 RTF .2874 CRT .7086 CRS -.6549 CST -.0993
 FDE 3.3871 FRA -1.7759 FC3 -9.5020 BSP 1429 SGB 759.4 R23 .5878 R13 .6505 LSA 1290.4 MSA 168.3 SSA 14.0
 BDE .0151 BRA .3957 BC3 .6273 FSP -2563 SG1 592.8 SG2 474.5 THA 34.44 EL1 169.5 EL2 25.2 ALF 8.90

LAUNCH DATE NOV 29 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 311.602

RL 147.56 LAL .00 LOL 66.57 VL 27.859 GAL -5.64 AZL 85.89 HCA 142.98 SMA 129.77 ECC .16815 INC 4.1111 V1 30.194
 RP 108.06 LAP 2.47 LOP 209.62 VP 37.863 GAP -.99 AZP 93.28 TAL 210.14 TAP 353.12 RCA 107.95 APO 151.59 V2 35.069
 RC 80.581 GL 29.40 GP -12.25 ZAL 127.20 ZAP 72.75 ETS 2.15 ZAE 161.11 ETE 281.47 ZAC 57.78 ETC 152.56 CLP -72.34

PLANETOCENTRIC CONIC

C3 16.394 VHL 4.049 DLA 7.49 RAL 289.76 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 2.989 DPA -30.22 RAP 324.53 ECC 1.2698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 47 2402.42 -23.64 53.74 149.95 106.06 1 53 50 1802.4 -21.21 45.91
 90.00 15 4 34 4577.56 11.91 193.37 146.93 64.12 16 20 52 3977.6 8.33 186.52
 100.00 2 38 44 2128.46 -24.68 33.25 149.61 107.42 3 14 12 1528.5 -22.06 25.43
 100.00 16 22 19 4326.76 12.88 174.43 146.43 62.79 17 34 25 3726.8 9.13 167.65
 110.00 3 55 12 1889.16 -27.46 14.00 148.52 111.20 4 26 41 1289.2 -24.33 6.23
 110.00 17 22 20 4138.82 15.46 158.69 144.96 59.13 18 31 19 3538.8 11.25 152.12

DIFFERENTIAL CORRECTIONS

TOE .0684 TRA -.4338 TC3 -.2292 BAU .1557
 RDE .0486 RRA -.0725 RC3 -.6726 FAU .18838
 FDE 3.6453 FRA -1.8675 FC3 -9.9481 BSP 1739
 BDE .0840 BRA .4398 BC3 .7106 FSP -2717

MID-COURSE EXECUTION ACCURACY

SGT 653.6 SGR 558.7 SG3 858.0
 RRT .4706 RRF .9046 RTF .5616
 SGB 859.8 R23 .4509 R13 .7992
 SG1 742.2 SG2 434.1 THA 35.75

ORBIT DETERMINATION ACCURACY

ST 209.5 SR 77.3 SS 1349.7
 CRT .7736 CRS -.9507 CST -.5931
 LSA 1357.5 MSA 169.1 SSA 12.9
 EL1 218.3 EL2 47.0 ALF 16.71

LAUNCH DATE NOV 29 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 317.990

RL 147.56 LAL .00 LOL 66.57 VL 27.863 GAL -5.59 AZL 85.79 HCA 146.19 SMA 129.80 ECC .16743 INC 4.2078 V1 30.194
 RP 108.10 LAP 2.34 LOP 212.83 VP 37.854 GAP -.55 AZP 93.50 TAL 209.99 TAP 356.19 RCA 108.07 APO 151.53 V2 35.056
 RC 82.862 GL 30.11 GP -13.52 ZAL 126.70 ZAP 78.28 ETS 1.01 ZAE 160.54 ETE 268.80 ZAC 56.27 ETC 150.47 CLP -77.94

PLANETOCENTRIC CONIC

C3 16.449 VHL 4.056 DLA 8.23 RAL 289.86 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 2.935 DPA -32.14 RAP 322.39 ECC 1.2707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 27 2426.82 -24.09 55.39 150.36 105.35 1 48 53 1826.8 -21.75 47.50
 90.00 15 10 44 4554.70 11.22 192.04 147.05 63.83 16 26 39 3954.7 7.62 185.22
 100.00 2 33 46 2151.62 -25.14 34.82 150.03 106.72 3 9 38 1551.6 -22.61 26.93
 100.00 16 28 6 4305.13 -12.21 173.18 146.54 62.50 17 39 51 3705.1 8.43 166.43
 110.00 3 51 6 1909.62 -27.96 15.38 148.97 110.52 4 22 55 1509.6 -24.91 7.54
 110.00 17 27 15 4119.89 14.79 157.63 145.05 58.83 18 35 55 3519.9 10.56 151.09

DIFFERENTIAL CORRECTIONS

TOE .1542 TRA -.4818 TC3 -.4495 BAU .1864
 RDE .0861 RRA -.0823 RC3 -.7188 FAU .19451
 FDE 3.8653 FRA -1.9251 FC -10.2374 BSP 2279
 BDE .1766 BRA .4888 BC3 .8477 FSP -2832

MID-COURSE EXECUTION ACCURACY

SGT 808.3 SGR 607.0 SG3 890.9
 RRT .6518 RRF .9311 RTF .7327
 SGB 1010.9 R23 .3778 R13 .8670
 SG1 928.0 SG2 401.0 THA 33.00

ORBIT DETERMINATION ACCURACY

ST 300.2 SR 127.8 SS 1401.9
 CRT .8847 CRS -.9871 CST -.8208
 LSA 1429.3 MSA 169.5 SSA 11.7
 EL1 321.5 EL2 55.6 ALF 21.31

LAUNCH DATE NOV 29 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 324.350

RL 147.56 LAL .00 LOL 66.57 VL 27.863 GAL -5.53 AZL 85.68 HCA 149.40 SMA 129.80 ECC .16685 INC 4.3220 V1 30.194
 RP 108.14 LAP 2.20 LOP 216.04 VP 37.842 GAP -.12 AZP 93.72 TAL 209.76 TAP 359.16 RCA 108.14 APO 151.45 V2 35.043
 RC 85.157 GL 30.92 GP -14.94 ZAL 126.06 ZAP 83.75 ETS 359.69 ZAE 158.97 ETE 257.23 ZAC 54.92 ETC 148.13 CLP -83.53

PLANETOCENTRIC CONIC

C3 16.544 VHL 4.067 DLA 9.08 RAL 290.05 RAD 6567.7 VEL 11.744 PTH 2.07 VHP 2.908 DPA -34.18 RAP 320.24 ECC 1.2723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 29 2455.50 -24.59 57.34 150.94 104.50 1 43 25 1855.5 -22.36 49.38
 90.00 15 18 10 4528.66 10.44 190.53 147.30 63.53 16 33 39 3928.7 6.80 183.74
 100.00 2 28 16 2178.85 -25.67 36.67 150.62 105.88 3 4 35 1578.9 -23.24 28.71
 100.00 16 35 5 4280.55 11.43 171.77 146.78 62.19 17 46 25 3680.5 7.62 165.05
 110.00 3 46 37 1933.69 -28.52 17.03 149.59 109.69 4 18 50 1333.7 -25.57 9.09
 110.00 17 33 13 4098.47 14.04 156.43 145.26 58.51 18 41 32 3498.5 9.77 149.93

DIFFERENTIAL CORRECTIONS

TOE .2504 TRA -.5335 TC3 -.6770 BAU .2260
 RDE .1257 RRA -.0922 RC3 -.7653 FAU .19783
 FDE 4.0309 FRA -1.9521 FC -10.3519 BSP 2963
 BDE .2802 BRA .5414 BC3 1.0218 FSP -2921

MID-COURSE EXECUTION ACCURACY

SGT 1003.4 SGR 660.5 SG3 909.9
 RRT .7625 RRF .9509 RTF .8289
 SGB 1201.3 R23 .3274 R13 .9071
 SG1 1141.0 SG2 375.8 THA 30.27

ORBIT DETERMINATION ACCURACY

ST 420.5 SR 182.3 SS 1443.5
 CRT .9359 CRS -.9956 CST -.9098
 LSA 1505.0 MSA 168.8 SSA 10.6
 EL1 454.4 EL2 59.4 ALF 22.49

LAUNCH DATE NOV 29 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 330.684

RL 147.56 LAL .00 LOL 66.57 VL 27.858 GAL -5.46 AZL 85.54 HCA 152.61 SMA 129.77 ECC .16639 INC 4.4600 V1 30.194
 RP 108.18 LAP 2.05 LOP 219.25 VP 37.826 GAP .29 AZP 93.96 TAL 209.43 TAP 2.03 RCA 108.17 APO 151.36 V2 35.030
 RC 87.465 GL 31.86 GP -16.57 ZAL 125.28 ZAP 89.09 ETS 358.15 ZAE 156.56 ETE 247.69 ZAC 53.86 ETC 145.55 CLP -89.05

PLANETOCENTRIC CONIC

C3 16.696 VHL 4.086 DLA 10.07 RAL 290.31 RAD 6567.7 VEL 11.751 PTH 2.07 VHP 2.909 DPA -36.36 RAP 318.19 ECC 1.2748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 35 2489.86 -25.16 59.70 151.71 103.45 1 37 5 1889.9 -23.06 51.66
 90.00 15 27 8 4498.49 9.52 188.79 147.68 63.21 16 42 7 3898.5 5.85 182.04
 100.00 2 21 55 2211.45 -26.23 38.92 151.41 104.83 2 58 46 1611.5 -23.96 30.87
 100.00 16 43 30 4252.09 10.52 170.15 147.15 61.86 17 54 22 3652.1 6.68 163.47
 110.00 3 41 29 1962.49 -29.17 19.02 150.42 108.67 4 14 11 1362.5 -26.34 10.98
 110.00 17 40 26 4073.86 13.16 155.07 145.60 58.16 18 48 20 3473.9 8.85 148.61

DIFFERENTIAL CORRECTIONS

TOE .3564 TRA -.5888 TC3 -.9065 BAU .2712
 RDE .1694 RRA -.1010 RC3 -.8088 FAU .19711
 FDE 4.1564 FRA -1.9274 FC -10.2207 BSP 3728
 BDE .3946 BRA .5974 BC3 1.2149 FSP -2934

MID-COURSE EXECUTION ACCURACY

SGT 1225.4 SGR 716.9 SG3 911.4
 RRT .8297 RRF .9653 RTF .8821
 SGB 1419.7 R23 .2939 R13 .9309
 SG1 1374.1 SG2 356.9 THA 27.94

ORBIT DETERMINATION ACCURACY

ST 560.0 SR 242.2 SS 1480.6
 CRT .9585 CRS -.9985 CST -.9474
 LSA 1592.4 MSA 168.5 SSA 9.5
 EL1 606.8 EL2 63.7 ALF 22.78

LAUNCH DATE NOV 29 1965

FLIGHT TIME 118.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 336.993

RL 147.56 LAL .00 LOL 66.57 VL 27.850 GAL -5.38 AZL 85.37 MCA 155.81 SMA 129.71 ECC .16605 INC 4.6313 V1 30.194
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.808 GAP .69 AZP 94.23 TAL 209.01 TAP 4.82 RCA 108.17 APO 151.24 V2 35.016
 RC 89.783 GL 32.96 GP -18.47 ZAL 124.34 ZAP 94.20 ETS 356.33 ZAE 153.48 ETE 240.40 ZAC 53.19 ETC 142.74 CLP -94.43

PLANETOCENTRIC CONIC

C3 16.932 VHL 4.115 DLA 11.24 RAL 290.63 RAD 6567.7 VEL 11.761 PTH 2.08 VHP 2.938 DPA -38.76 RAP 316.34 ECC 1.2787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 16 2531.95 -25.79 62.62 152.72 102.11 1 29 28 1931.9 -23.86 54.48
 90.00 15 38 3 4462.85 8.42 186.75 148.23 62.86 16 52 26 3862.8 4.71 180.03
 100.00 2 14 16 2251.36 -26.92 41.69 152.43 103.52 2 51 47 1651.4 -24.79 33.54
 100.00 16 53 44 4218.67 9.44 168.25 147.68 61.51 18 4 3 3618.7 5.56 161.61
 110.00 3 35 20 1997.70 -29.91 21.49 151.49 107.38 4 8 37 1397.7 -27.24 13.32
 110.00 17 49 10 4045.09 12.12 153.49 146.09 57.79 18 56 35 3445.1 7.78 147.08

DIFFERENTIAL CORRECTIONS

TDE .4739 TRA -.6460 TC3-1.1267 BAU .3198
 RDE .2178 RRA -.1103 RC3 -.8521 FAU .19312
 FDE 4.2235 FRA-1.8723 FC3-9.8741 BSP 4548
 BOE .5216 BRA .6553 BC3 1.4126 FSP -2909

MID-COURSE EXECUTION ACCURACY

SGT 1461.6 SGR 779.9 SG3 896.6
 RRT .8719 RRF .9759 RTF .9134
 SGB 1656.7 R23 .2695 R13 .9466
 SGI 1620.5 SG2 344.4 THA 26.23

ORBIT DETERMINATION ACCURACY

ST 715.5 SR 307.6 SS 1507.5
 CRT .9707 CRS -.9994 CST -.9664
 LSA 1688.5 MSA 167.2 SSA 8.3
 EL1 775.8 EL2 68.2 ALF 22.83

LAUNCH DATE NOV 29 1965

FLIGHT TIME 120.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 343.276

RL 147.56 LAL .00 LOL 66.57 VL 27.838 GAL -5.29 AZL 85.15 MCA 159.01 SMA 129.62 ECC .16580 INC 4.8512 V1 30.194
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.787 GAP 1.07 AZP 94.53 TAL 208.52 TAP 7.53 RCA 108.13 APO 151.12 V2 35.003
 RC 92.112 GL 34.31 GP -20.79 ZAL 123.19 ZAP 98.98 ETS 354.17 ZAE 149.85 ETE 235.18 ZAC 53.07 ETC 139.71 CLP -99.61

PLANETOCENTRIC CONIC

C3 17.297 VHL 4.159 DLA 12.68 RAL 291.01 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 2.997 DPA -41.50 RAP 314.80 ECC 1.2847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 36 44 2585.05 -26.50 66.35 154.03 100.37 1 19 49 1985.0 -24.79 58.09
 90.00 15 51 35 4419.60 7.07 184.29 148.98 62.51 17 5 15 3819.6 3.33 177.61
 100.00 2 4 37 2301.63 -27.67 45.24 153.77 101.79 2 42 58 1701.6 -25.76 36.96
 100.00 .7 6 24 4178.25 8.12 165.98 148.41 61.13 18 16 2 3578.2 4.21 159.38
 110.00 3 27 35 2041.99 -30.77 24.66 152.90 105.69 4 1 37 1442.0 -28.31 16.32
 110.00 17 59 54 4010.66 10.86 151.61 146.76 57.39 19 6 45 3410.7 6.48 143.25

DIFFERENTIAL CORRECTIONS

TDE .6058 TRA -.7052 TC3-1.3274 BAU .3699
 RDE .2753 RRA -.1195 RC3 -.8925 FAU .18501
 FDE 4.2519 FRA-1.7750 FC3-9.2599 BSP 5392
 BOE .6654 BRA .7153 BC3 1.5995 FSP -2813

MID-COURSE EXECUTION ACCURACY

SGT 1705.0 SGR 850.6 SG3 863.6
 RRT .8993 RRF .9836 RTF .9322
 SGB 1905.4 R23 .2526 R13 .9568
 SGI 1875.2 SG2 338.2 THA 25.03

ORBIT DETERMINATION ACCURACY

ST 887.0 SR 383.3 SS 1530.5
 CRT .9777 CRS -.9998 CST -.9768
 LSA 1802.4 MSA 166.1 SSA 7.1
 EL1 963.5 EL2 74.2 ALF 23.05

LAUNCH DATE NOV 29 1965

FLIGHT TIME 122.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 349.534

RL 147.56 LAL .00 LOL 66.57 VL 27.824 GAL -5.20 AZL 84.85 MCA 162.21 SMA 129.52 ECC .16564 INC 5.1460 V1 30.194
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.763 GAP 1.44 AZP 94.90 TAL 207.94 TAP 10.15 RCA 108.06 APO 150.97 V2 34.990
 RC 94.449 GL 36.00 GP -23.75 ZAL 121.80 ZAP 103.30 ETS 351.49 ZAE 145.70 ETE 231.71 ZAC 53.69 ETC 136.44 CLP -104.56

PLANETOCENTRIC CONIC

C3 17.877 VHL 4.228 DLA 14.47 RAL 291.42 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 3.095 DPA -44.78 RAP 313.73 ECC 1.2942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 22 40 2654.75 -27.25 71.31 155.76 98.00 1 6 55 2054.8 -25.87 62.91
 90.00 16 8 56 4365.20 5.35 181.22 150.03 62.15 17 21 41 3765.2 1.58 174.57
 100.00 1 51 45 2367.46 -28.49 49.96 155.54 99.44 2 31 12 1767.5 -26.90 41.32
 100.00 17 22 32 4127.72 6.45 163.16 149.42 60.75 18 31 20 3527.7 2.50 156.60
 110.00 3 17 19 2099.74 -31.75 28.87 154.78 103.38 3 52 18 1499.7 -29.59 20.33
 110.00 18 13 27 3968.20 9.29 149.32 147.69 56.96 19 19 36 3368.2 4.88 143.02

DIFFERENTIAL CORRECTIONS

TDE .7577 TRA -.7677 TC3-1.4953 BAU .4212
 RDE .3465 RRA -.1312 RC3 -.9324 FAU .17337
 FDE 4.2287 FRA-1.6566 FC3-8.3958 BSP 6284
 BOE .8331 BRA .7788 BC3 1.7622 FSP -2676

MID-COURSE EXECUTION ACCURACY

SGT 1951.2 SGR 935.9 SG3 813.3
 RRT .9180 RRF .9891 RTF .9447
 SGB 2164.0 R23 .2388 R13 .9643
 SGI 2137.3 SG2 338.9 THA 24.42

ORBIT DETERMINATION ACCURACY

ST 1076.8 SR 473.3 SS 1544.6
 CRT .9824 CRS -.9999 CST -.9833
 LSA 1934.5 MSA 164.2 SSA 5.9
 EL1 1173.4 EL2 81.1 ALF 23.48

LAUNCH DATE NOV 29 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 355.768

RL 147.56 LAL .00 LOL 66.57 VL 27.806 GAL -5.09 AZL 84.44 MCA 165.40 SMA 129.39 ECC .16557 INC 5.5646 V1 30.194
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.738 GAP 1.80 AZP 95.39 TAL 207.30 TAP 12.70 RCA 107.97 APO 150.82 V2 34.977
 RC 96.794 GL 38.22 GP -27.71 ZAL 120.06 ZAP 106.99 ETS 348.06 ZAE 140.85 ETE 229.75 ZAC 55.38 ETC 132.87 CLP -109.27

PLANETOCENTRIC CONIC

C3 18.843 VHL 4.341 DLA 16.80 RAL 291.84 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 3.247 DPA -48.96 RAP 313.36 ECC 1.3101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 2 31 2751.65 -27.98 78.30 158.11 94.56 0 48 23 2151.6 -27.05 69.76
 90.00 16 32 24 4292.95 3.04 177.17 151.56 61.83 17 43 57 3692.9 -.75 170.54
 100.00 1 33 25 2458.52 -29.33 56.60 157.96 96.04 2 14 24 1858.5 -28.18 47.98
 100.00 17 44 11 4061.31 4.23 159.48 150.90 60.38 18 51 52 3461.3 .25 152.95
 110.00 3 2 45 2179.00 -32.85 34.79 157.38 100.03 3 39 4 1579.0 -31.12 26.00
 110.00 18 31 20 3913.59 7.25 146.41 149.03 56.50 19 36 34 3313.6 2.80 140.15

DIFFERENTIAL CORRECTIONS

TDE .9446 TRA -.8350 TC3-1.6071 BAU .4721
 RDE .4436 RRA -.1452 RC3 -.9638 FAU .15679
 FDE 4.1680 FRA-1.5021 FC3-7.2034 BSP 7174
 BOE 1.0436 BRA .8475 BC3 1.8739 FSP -2451

MID-COURSE EXECUTION ACCURACY

SGT 2196.9 SGR 1040.7 SG3 741.6
 RRT .9307 RRF .9929 RTF .9530
 SGB 2431.0 R23 .2270 R13 .9698
 SGI 2406.0 SG2 347.6 THA 24.33

ORBIT DETERMINATION ACCURACY

ST 1294.4 SR 589.1 SS 1554.0
 CRT .9859 CRS -.9999 CST -.9876
 LSA 2100.3 MSA 162.3 SSA 4.7
 EL1 1419.3 EL2 90.0 ALF 24.27

LAUNCH DATE NOV 29 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 361.977

RL 147.56 LAL .00 LOL 66.57 VL 27.785 GAL -4.97 AZL 83.79 MCA 168.60 SMA 129.25 ECC .16558 INC 6.2107 V1 30.194
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.711 GAP 2.14 AZP 96.09 TAL 206.58 TAP 15.18 RCA 107.85 APO 150.65 V2 34.964
 RC 99.145 GL 41.29 GP -33.35 ZAL 117.79 ZAP 109.69 ETS 343.42 ZAE 134.84 ETE 229.08 ZAC 58.68 ETC 128.89 CLP-113.79

PLANETOCENTRIC CONIC

C3 20.600 VHL 4.539 DLA 20.00 RAL 292.21 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 3.497 DPA -54.69 RAP 314.17 ECC 1.3390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 26 33 2898.99 -28.31 89.06 161.45 89.19 24 14 52 2299.0 -28.12 80.40
 90.00 17 7 25 4187.92 -1.35 171.31 154.04 61.69 18 17 13 3587.9 -4.13 164.67
 100.00 1 4 38 2595.44 -29.88 66.73 161.45 90.74 1 47 53 1995.4 -29.46 57.95
 100.00 18 15 58 3966.70 1.03 154.28 153.27 60.12 19 22 5 3366.7 -2.96 147.76
 110.00 2 40 18 2296.12 -33.88 43.77 161.22 94.82 3 18 34 1696.1 -32.85 34.69
 110.00 18 56 47 3838.78 4.43 142.46 151.15 56.07 20 0 46 3238.8 -.06 136.25

DIFFERENTIAL CORRECTIONS

TOE 1.1971 TRA -.9147 TC3-1.6291 BAU .5229
 RDE .5862 RRA -.1654 RC3 -.9755 FAU .13447
 FDE 4.0338 FRA-1.3220 FC3-5.6513 BSP 8113
 BDE 1.3329 BRA .9296 BC3 1.8988 FSP -2145

MID-COURSE EXECUTION ACCURACY

SGT 2445.5 SGR 1175.1 SG3 643.1
 RRT .9397 RRF .9952 RTF .9594
 SGB 2713.2 R23 .2132 R13 .9747
 SG1 2688.5 SG2 365.4 THA 24.79

ORBIT DETERMINATION ACCURACY

ST 1556.1 SR 743.4 SS 1547.5
 CRT .9888 CRS -.9999 CST -.9909
 LSA 2311.7 MSA 158.9 SSA 3.7
 EL1 1721.7 EL2 100.1 ALF 25.38

LAUNCH DATE NOV 29 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 368.162

RL 147.56 LAL .00 LOL 66.57 VL 27.763 GAL -4.84 AZL 82.65 MCA 171.78 SMA 129.09 ECC .16567 INC 7.3499 V1 30.194
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.683 GAP 2.47 AZP 97.28 TAL 205.80 TAP 17.58 RCA 107.71 APO 150.48 V2 34.951
 RC 101.502 GL 45.84 GP -41.95 ZAL 114.59 ZAP 110.63 ETS 336.80 ZAE 126.62 ETE 229.28 ZAC 64.64 ETC 124.23 CLP-118.27

PLANETOCENTRIC CONIC

C3 24.338 VHL 4.933 DLA 24.70 RAL 292.47 RAD 6568.0 VEL 12.071 PTH 2.16 VHP 3.974 DPA -63.16 RAP 317.68 ECC 1.4005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 23 17 3168.84 -26.49 108.55 166.21 79.62 23 16 6 2568.8 -27.66 100.08
 90.00 18 12 44 3998.95 -6.41 160.72 159.04 62.36 19 19 23 3398.9 -10.06 153.95
 100.00 0 10 21 2836.32 -28.76 84.51 166.63 81.48 0 57 38 2236.3 -29.64 75.82
 100.00 19 12 17 3806.70 -4.39 145.49 157.93 60.40 20 15 44 3206.7 -8.30 138.88
 110.00 2 0 32 2491.62 -33.96 59.01 167.31 85.82 2 42 4 1891.6 -34.16 49.77
 110.00 19 38 36 3724.16 .05 136.47 155.17 55.82 20 40 40 3124.2 -4.43 130.26

DIFFERENTIAL CORRECTIONS

TOE 1.5958 TRA-1.0291 TC3-1.4994 BAU .5721
 RDE .8180 RRA -.1941 RC3 -.9182 FAU .10320
 FDE 3.7503 FRA-1.0982 FC3-3.6709 BSP 9183
 BDE 1.7932 BRA 1.0472 BC3 1.7582 FSP -1703

MID-COURSE EXECUTION ACCURACY

SGT 2711.9 SGR 1336.0 SG3 504.2
 RRT .9460 RRF .9962 RTF .9653
 SGB 3023.1 R23 .1957 R13 .9793
 SG1 2997.6 SG2 391.7 THA 25.45

ORBIT DETERMINATION ACCURACY

ST 1895.4 SR 953.3 SS 1503.1
 CRT .9913 CRS -.9998 CST -.9936
 LSA 2595.5 MSA 154.5 SSA 2.7
 EL1 2118.7 EL2 112.0 ALF 26.58

LAUNCH DATE NOV 29 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 374.317

RL 147.56 LAL .00 LOL 66.57 VL 27.738 GAL -4.71 AZL 80.09 MCA 174.96 SMA 128.92 ECC .16581 INC 9.9116 V1 30.194
 RP 108.46 LAP .87 LOP 241.60 VP 37.653 GAP 2.80 AZP 99.87 TAL 204.95 TAP 19.91 RCA 107.54 APO 150.29 V2 34.939
 RC 103.862 GL 53.16 GP -56.02 ZAL 109.50 ZAP 108.06 ETS 326.24 ZAE 113.88 ETE 228.27 ZAC 75.33 ETC 117.73 CLP-123.70

PLANETOCENTRIC CONIC

C3 35.352 VHL 5.946 DLA 32.25 RAL 292.55 RAD 6568.4 VEL 12.519 PTH 2.27 VHP 5.207 DPA -76.28 RAP 333.88 ECC 1.5818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.88 18 13 17 4077.52 -18.06 172.66 171.44 62.82 19 21 14 3477.5 -21.56 165.43
 106.12 22 23 22 3276.82 -18.05 113.31 171.43 62.81 23 17 59 2676.8 -21.55 106.08
 73.88 18 13 17 4077.52 -18.06 172.66 171.44 62.82 19 21 14 3477.5 -21.56 165.43
 106.12 22 23 22 3276.82 -18.05 113.31 171.43 62.81 23 17 59 2676.8 -21.55 106.08
 110.00 0 18 25 2933.45 -26.94 91.27 175.82 68.11 1 7 19 2333.5 -29.66 83.14
 110.00 21 21 20 3468.88 -9.61 123.03 166.40 57.04 22 19 9 2868.9 -13.89 116.54

DIFFERENTIAL CORRECTIONS

TOE 2.4705 TRA-1.2406 TC3-1.0779 BAU .5948
 RDE 1.2065 RRA -.2103 RC3 -.6498 FAU .05904
 FDE 3.1182 FRA -.7872 FC3-1.4458 BSP 10218
 BDE 2.7494 BRA 1.2583 BC3 1.2586 FSP -1048

MID-COURSE EXECUTION ACCURACY

SGT 3051.1 SGR 1416.4 SG3 309.0
 RRT .9481 RRF .9944 RTF .9738
 SGB 3363.8 R23 .1697 R13 .9847
 SG1 3330.5 SG2 411.7 THA 24.15

ORBIT DETERMINATION ACCURACY

ST 2418.5 SR 1165.1 SS 1357.4
 CRT .9934 CRS -.9996 CST -.9962
 LSA 3004.7 MSA 143.9 SSA 1.9
 EL1 2681.8 EL2 120.1 ALF 25.63

LAUNCH DATE NOV 29 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 380.406

RL 147.56 LAL .00 LOL 66.57 VL 27.711 GAL -4.55 AZL 69.03 MCA 178.09 SMA 128.73 ECC .16596 INC20.9663 V1 30.194
 RP 108.50 LAP .68 LOP 244.79 VP 37.621 GAP 3.10 AZP 110.96 TAL 204.00 TAP 22.10 RCA 107.37 APO 150.10 V2 34.926
 RC 106.225 GL 64.13 GP -79.96 ZAL 100.00 ZAP 99.04 ETS 276.37 ZAE 90.63 ETE 187.76 ZAC 94.22 ETC 75.24 CLP-154.22

PLANETOCENTRIC CONIC

C3 120.695 VHL 10.986 DLA 44.33 RAL 294.65 RAD 6570.3 VEL 15.557 PTH 2.77 VHP 11.556 DPA -75.47 RAP 102.69 ECC 2.9863
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.35 16 41 16 4659.69 -11.02 215.02 193.16 46.78 17 58 56 4059.7 -16.43 209.36
 125.65 0 16 4 3271.87 -11.01 107.78 193.15 46.78 1 10 36 2671.9 -16.42 102.13
 54.35 16 41 16 4659.69 -11.02 215.02 193.16 46.78 17 58 56 4059.7 -16.43 209.36
 125.65 0 16 4 3271.87 -11.01 107.78 193.15 46.78 1 10 36 2671.9 -16.42 102.13
 54.35 16 41 16 4659.69 -11.02 215.02 193.16 46.78 17 58 56 4059.7 -16.43 209.36
 125.65 0 16 4 3271.87 -11.01 107.78 193.15 46.78 1 10 36 2671.9 -16.42 102.13

DIFFERENTIAL CORRECTIONS

TOE 6.2668 TRA-1.5869 TC3 -.1758 BAU .2838
 RDE-1.6206 RRA 1.0373 RC3 .0064 FAU .00849
 FDE 2.1118 FRA -.3989 FC3 -.0609 BSP 10184
 BDE 6.4730 BRA 1.8958 BC3 .1759 FSP -307

MID-COURSE EXECUTION ACCURACY

SGT 3488.5 SGR 1134.2 SG3 99.1
 RRT -.9206 RRF -.8861 RTF .9267
 SGB 3668.3 R23 -.1158 R13 -.9932
 SG1 3643.7 SG2 424.0 THA 163.10

ORBIT DETERMINATION ACCURACY

ST 3286.7 SR 875.1 SS 1103.1
 CRT -.9878 CRS .9833 CST -.9996
 LSA 3573.0 MSA 137.5 SSA .5
 EL1 3398.7 EL2 131.9 ALF 165.24

LAUNCH DATE NOV 29 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.682 GAL -4.44 AZL 109.56 MCA 181.48 SMA 128.53 ECC .16663 INC19.5581 V1 30.194
 RP 108.54 LAP .50 LOP 247.97 VP 37.589 GAP 3.46 AZP 70.44 TAL 203.24 TAP 24.73 RCA 107.12 APO 149.95 V2 34.914
 RC 108.588 GL -63.65 GP 81.86 ZAL 100.34 ZAP 98.02 ETS 75.26 ZAE 92.79 ETE 162.99 ZAC 68.57 ETC 273.83 CLP 170.28

PLANETOCENTRIC CONIC
 C3 106.347 VHL 10.312 OLA -72.16 RAL 10.77 RAD 6570.0 VEL 15.089 PTH 2.71 VHP 14.757 DPA 58.83 RAP 268.06 ECC 2.7502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.37 8 13 7 2178.96 16.75 74.81 275.20 161.34 8 49 26 1579.0 24.30 72.42
 159.63 18 51 33 5700.95 16.75 260.07 275.22 161.34 20 26 34 5101.0 24.31 257.68
 20.37 8 13 7 2178.96 16.75 74.81 275.20 161.34 8 49 26 1579.0 24.30 72.42
 159.63 18 51 33 5700.95 16.75 260.07 275.22 161.34 20 26 34 5101.0 24.31 257.68
 20.37 8 13 7 2178.96 16.75 74.81 275.20 161.34 8 49 26 1579.0 24.30 72.42
 159.63 18 51 33 5700.95 16.75 260.07 275.22 161.34 20 26 34 5101.0 24.31 257.68

DIFFERENTIAL CORRECTIONS
 TOE -3.0722 TRA 1.8798 TC3 -.2198 BAU .3138 SGT 3838.6 SGR 499.7 SG3 86.1 ST 1989.7 SR 486.6 SS 580.0
 ROE -.8737 RRA .0611 RC3 .0205 FAU .00837 RRT .6189 RRF .5451 RTF .9959 CRT .8909 CRS -.8352 CST -.9939
 FDE -.6515 FRA .5065 FC3 -.0681 BSP 9312 SGB 3871.0 R23 -.0990 R13 .9951 LSA 2116.6 MSA 228.4 SSA .3
 BDE 3.1940 BRA 1.8808 BC3 .2207 FSP -.222 SG1 3851.2 SG2 391.2 TMA 4.65 EL1 2037.0 EL2 215.8 ALF 12.43

LAUNCH DATE NOV 29 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.652 GAL -4.26 AZL 93.88 MCA 184.59 SMA 128.33 ECC .16688 INC 3.8753 V1 30.194
 RP 108.58 LAP .31 LOP 251.15 VP 37.556 GAP 3.74 AZP 86.14 TAL 202.17 TAP 26.76 RCA 106.91 APO 149.74 V2 34.903
 RC 110.951 GL -30.16 GP 55.93 ZAL 118.37 ZAP 113.17 ETS 34.88 ZAE 118.41 ETE 133.52 ZAC 48.05 ETC 223.27 CLP-134.62

PLANETOCENTRIC CONIC
 C3 13.766 VHL 3.710 OLA -48.48 RAL 315.63 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 5.705 DPA 32.35 RAP 290.59 ECC 1.2266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.85 5 46 58 1551.56 35.53 25.27 186.41 125.46 6 12 49 951.6 39.88 17.19
 131.15 13 57 47 5350.24 35.54 246.37 186.41 125.45 15 26 57 4750.2 39.89 238.29
 48.85 5 46 58 1551.56 35.53 25.27 186.41 125.46 6 12 49 951.6 39.88 17.19
 131.15 13 57 47 5350.24 35.54 246.37 186.41 125.45 15 26 57 4750.2 39.89 238.29
 48.85 5 46 58 1551.56 35.53 25.27 186.41 125.46 6 12 49 951.6 39.88 17.19
 131.15 13 57 47 5350.24 35.54 246.37 186.41 125.45 15 26 57 4750.2 39.89 238.29

DIFFERENTIAL CORRECTIONS
 TOE -1.2646 TRA -.1289 TC3-3.4685 BAU .7341 SGT 3244.3 SGR 1766.5 SG3 280.9 ST 1956.4 SR 932.4 SS 832.4
 ROE .5991 RRA -.1538 RC3 1.9696 FAU .05853 RRT -.9532 RRF -.9992 RTF .9620 CRT -.9871 CRS .9998 CST -.9899
 FDE -1.0871 FRA .2324 FC3-3.6806 BSP 11456 SGB 3694.0 R23 .2056 R13 -.9784 LSA 2316.0 MSA 160.9 SSA 1.5
 BDE 1.3993 BRA .1994 BC3 3.9887 FSP -913 SG1 3663.6 SG2 473.2 TMA 152.07 EL1 2163.0 EL2 135.3 ALF 154.70

LAUNCH DATE NOV 29 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.621 GAL -4.08 AZL 90.90 MCA 187.75 SMA 128.11 ECC .16732 INC .9017 V1 30.194
 RP 108.61 LAP .12 LOP 254.32 VP 37.523 GAP 4.03 AZP 89.11 TAL 201.11 TAP 28.86 RCA 106.68 APO 149.55 V2 34.892
 RC 113.313 GL -7.89 GP 39.08 ZAL 122.01 ZAP 123.32 ETS 29.17 ZAE 129.09 ETE 142.92 ZAC 38.77 ETC 207.27 CLP-135.05

PLANETOCENTRIC CONIC
 C3 9.998 VHL 3.162 OLA -26.86 RAL 308.63 RAD 6567.4 VEL 11.462 PTH 1.99 VHP 4.438 DPA 16.01 RAP 295.57 ECC 1.1645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 57 1000.04 16.89 330.98 164.41 113.07 8 21 37 400.0 19.87 323.58
 90.00 10 43 59 5767.93 27.00 274.31 167.52 98.86 12 20 7 5167.9 27.95 265.78
 100.00 8 53 16 844.00 14.66 318.46 163.34 116.34 9 7 20 244.0 18.08 311.34
 100.00 12 38 22 5399.20 29.43 247.53 167.87 95.47 14 8 21 4799.2 29.88 238.75
 110.00 9 7 26 799.50 10.55 312.71 160.95 122.71 9 20 45 199.5 14.78 306.17
 110.00 14 40 40 5016.46 34.16 218.67 168.07 88.69 16 4 17 4416.5 33.60 209.47

DIFFERENTIAL CORRECTIONS
 TOE -.3997 TRA -.3869 TC3-5.1103 BAU .7406 SGT 3403.8 SGR 1376.5 SG3 436.0 ST 767.8 SR 232.6 SS 247.2
 ROE .1255 RRA -.0448 RC3 2.1418 FAU .09134 RRT -.9542 RRF -.9989 RTF .9567 CRT -.9081 CRS .9982 CST -.9075
 FDE -.3438 FRA .1154 FC3-7.9091 BSP 11450 SGB 3671.6 R23 .2481 R13 -.9677 LSA 829.0 MSA 131.5 SSA 10.1
 BDE .4189 BRA .3894 BC3 5.5410 FSP -1427 SG1 3651.4 SG2 384.0 TMA 158.65 EL1 796.7 EL2 93.8 ALF 164.40

LAUNCH DATE NOV 29 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 27.588 GAL -3.90 AZL 89.65 MCA 190.93 SMA 127.89 ECC .16785 INC .3477 V1 30.194
 RP 108.64 LAP -.07 LOP 257.50 VP 37.488 GAP 4.31 AZP 90.34 TAL 200.01 TAP 30.94 RCA 106.42 APO 149.35 V2 34.881
 RC 115.673 GL 3.10 GP 28.97 ZAL 120.66 ZAP 129.80 ETS 24.74 ZAE 133.38 ETE 151.67 ZAC 35.60 ETC 194.17 CLP-137.03

PLANETOCENTRIC CONIC
 C3 9.689 VHL 3.110 OLA -15.80 RAL 307.43 RAD 6567.3 VEL 11.448 PTH 1.99 VHP 4.107 DPA 6.20 RAP 298.24 ECC 1.1591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 5 1540.62 .46 2.17 158.28 118.31 5 52 45 940.6 4.24 355.53
 90.00 13 12 17 5214.09 26.31 234.24 162.32 79.13 14 39 11 4614.1 24.54 226.02
 100.00 6 39 41 1306.36 -.47 344.43 157.76 119.89 7 1 27 706.4 3.51 337.91
 100.00 14 42 22 4923.58 27.35 212.63 162.07 77.44 16 4 26 4323.6 25.35 204.40
 110.00 7 28 30 1153.41 -2.85 331.35 156.27 124.08 7 47 44 553.4 1.64 325.14
 110.00 16 10 2 4649.30 30.06 190.98 161.26 72.90 17 27 31 4049.3 27.43 182.78

DIFFERENTIAL CORRECTIONS
 TOE -.0053 TRA -.4787 TC3-5.5368 BAU .7492 SGT 3563.3 SGR 1066.3 SG3 504.1 ST 293.9 SR 34.9 SS 183.7
 ROE -.0029 RRA -.0227 RC3 1.7132 FAU .10439 RRT -.9550 RRF -.9968 RTF .9559 CRT .0321 CRS .4823 CST -.0063
 FDE .2634 FRA .0778 FC3-9.3469 BSP 11616 SGB 3719.5 R23 .2604 R13 -.9623 LSA 293.9 MSA 184.5 SSA 30.4
 BDE .0061 BRA .4792 BC3 5.7958 FSP -1649 SG1 3707.0 SG2 303.9 TMA 163.94 EL1 293.9 EL2 34.9 ALF .22

LAUNCH DATE NOV 29 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 410.957

RL 147.56 LAL .00 LOL 66.57 VL 27.554 GAL -3.71 AZL 88.96 MCA 194.10 SMA 127.66 ECC .16847 INC 1.0434 V1 30.194
 RP 108.68 LAP -.25 LOP 260.67 VP 37.454 GAP 4.59 AZP 91.01 TAL 198.88 TAP 32.98 RCA 106.15 APO 149.17 V2 34.870
 RC 118.029 GL 9.22 GP 22.56 ZAL 118.50 ZAP 134.35 ETS 21.40 ZAE 134.83 ETE 158.25 ZAC 35.14 ETC 184.79 CLP-139.19

PLANETOCENTRIC CONIC

C3 9.772 VHL 3.126 DLA -9.43 RAL 307.69 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.029 DPA .02 RAP 300.21 ECC 1.1608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 19 1760.53 -6.59 14.49 158.03 117.60 5 2 39 1160.5 -2.85 7.81
 90.00 14 8 4 4998.36 22.70 219.49 160.64 72.60 15 31 22 4398.4 20.10 211.78
 100.00 5 50 2 1513.04 -7.42 355.84 157.58 119.04 6 15 15 913.0 -3.49 349.26
 100.00 15 34 2 4721.09 23.59 198.78 160.32 71.09 16 52 43 4121.1 20.79 191.10
 110.00 6 47 45 1332.31 -9.60 340.81 156.26 122.97 7 9 57 732.3 -5.19 334.49
 110.00 16 52 49 4474.58 25.96 179.06 159.32 66.94 18 7 23 3874.6 22.61 171.50

DIFFERENTIAL CORRECTIONS

TOE .2301 TRA -.5219 TC3-5.7318 BAU .7699
 RDE -.0328 RRA -.0174 RC3 1.3699 FAU .10806
 FDE -.6348 FRA .0749 FC3-9.5732 BSP 12095
 BOE .2325 BRA .5222 BC3 5.8932 FSP -1751

MID-COURSE EXECUTION ACCURACY

SGT 3736.3 SGR 859.2 SG3 526.9
 RRT -.9542 RRF -.9925 RTF .9569
 SGB 3833.8 R23 .2516 R13 -.9606
 SG1 3825.6 SG2 251.0 THA 167.57

ORBIT DETERMINATION ACCURACY

ST 523.5 SR 66.1 SS 410.1
 CRT -.7309 CRS .9627 CST -.8074
 LSA 636.9 MSA 201.9 SSA 16.8
 EL1 525.8 EL2 44.9 ALF 174.69

LAUNCH DATE NOV 29 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 416.995

RL 147.56 LAL .00 LOL 66.57 VL 27.519 GAL -3.51 AZL 88.51 MCA 197.28 SMA 127.42 ECC .16917 INC 1.4861 V1 30.194
 RP 108.71 LAP -.44 LOP 263.84 VP 37.419 GAP 4.87 AZP 91.42 TAL 197.69 TAP 34.97 RCA 105.87 APO 148.98 V2 34.860
 RC 120.382 GL 15.07 GP 18.24 ZAL 116.23 ZAP 137.85 ETS 18.90 ZAE 135.07 ETE 162.94 ZAC 35.83 ETC 178.38 CLP-141.31

PLANETOCENTRIC CONIC

C3 9.924 VHL 3.150 DLA -5.23 RAL 308.56 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.047 DPA -4.06 RAP 301.94 ECC 1.1633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 4 11 1897.69 -10.83 22.33 159.15 116.32 4 35 49 1297.7 -7.21 15.53
 90.00 14 44 9 4867.30 19.78 210.99 160.64 69.31 16 5 17 4267.3 16.79 203.59
 100.00 5 23 3 1643.25 -11.64 3.20 158.73 117.73 5 50 27 1043.2 -7.84 356.48
 100.00 16 7 58 4596.98 20.62 190.75 160.29 67.87 17 24 35 3997.0 17.44 183.40
 110.00 6 25 39 1447.29 -13.78 347.08 157.48 121.60 6 49 46 847.3 -9.50 340.60
 110.00 17 21 52 4365.70 22.87 172.11 159.20 63.87 18 34 38 3765.7 19.17 164.93

DIFFERENTIAL CORRECTIONS

TDE .4538 TRA -.4813 TC3-5.6611 BAU .7642
 RDE -.0496 RRA -.0358 RC3 1.0616 FAU .09981
 FDE 1.0032 FRA .2520 FC3-8.7073 BSP 11271
 BDE .4565 BRA .4826 BC3 5.7598 FSP -1468

MID-COURSE EXECUTION ACCURACY

SGT 3765.1 SGR 678.0 SG3 501.1
 RRT -.9411 RRF -.9825 RTF .9465
 SGB 3825.6 R23 .2619 R13 -.9492
 SG1 3818.9 SG2 226.1 THA 170.35

ORBIT DETERMINATION ACCURACY

ST 873.1 SR 94.4 SS 642.4
 CRT -.8659 CRS .9829 CST -.9272
 LSA 1069.4 MSA 200.1 SSA 12.9
 EL1 876.9 EL2 47.0 ALF 174.64

LAUNCH DATE NOV 29 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 423.006

RL 147.56 LAL .00 LOL 66.57 VL 27.483 GAL -3.30 AZL 88.21 MCA 200.45 SMA 127.18 ECC .16997 INC 1.7946 V1 30.194
 RP 108.74 LAP -.63 LOP 267.01 VP 37.384 GAP 5.14 AZP 91.68 TAL 196.49 TAP 36.93 RCA 105.57 APO 148.80 V2 34.851
 RC 122.731 GL 15.71 GP 15.16 ZAL 113.99 ZAP 140.75 ETS 17.02 ZAE 134.77 ETE 166.30 ZAC 36.99 ETC 174.01 CLP-143.35

PLANETOCENTRIC CONIC

C3 10.066 VHL 3.173 DLA -2.18 RAL 309.75 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 4.110 DPA -6.88 RAP 303.57 ECC 1.1657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 2 1995.89 -13.73 28.09 160.76 115.01 4 19 18 1395.9 -10.25 21.14
 90.00 15 11 48 4774.79 17.45 203.20 161.40 67.34 16 31 23 4174.8 14.23 198.00
 100.00 5 6 22 1736.77 -14.54 8.63 160.36 116.41 5 35 18 1136.8 -10.88 1.76
 100.00 16 34 9 4509.15 18.27 185.29 161.02 65.92 17 49 19 3909.1 14.87 178.15
 110.00 6 12 17 1530.41 -16.69 351.76 159.16 120.27 6 37 47 930.4 -12.55 345.11
 110.00 17 44 44 4288.27 20.47 187.38 159.88 62.01 18 56 12 3688.3 16.57 160.43

DIFFERENTIAL CORRECTIONS

TDE .5568 TRA -.5075 TC3-5.9166 BAU .8063
 RDE -.0303 RRA -.0293 RC3 .9418 FAU .10070
 FDE 1.0564 FRA .2112 FC3-8.6601 BSP 12569
 BDE .5576 BRA .5084 BC3 5.9911 FSP -1632

MID-COURSE EXECUTION ACCURACY

SGT 3993.5 SGR 602.5 SG3 503.7
 RRT -.9353 RRF -.9706 RTF .9536
 SGB 4038.7 R23 .2154 R13 -.9552
 SG1 4033.1 SG2 211.1 THA 171.95

ORBIT DETERMINATION ACCURACY

ST 1048.5 SR 59.8 SS 681.1
 CRT -.8410 CRS .9528 CST -.9473
 LSA 1237.7 MSA 186.7 SSA 13.9
 EL1 1049.7 EL2 32.3 ALF 177.25

LAUNCH DATE NOV 29 1965

FLIGHT TIME 148.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 429.004

RL 147.56 LAL .00 LOL 66.57 VL 27.447 GAL -3.08 AZL 87.98 MCA 203.62 SMA 126.94 ECC .17085 INC 2.0232 V1 30.194
 RP 108.76 LAP -.81 LOP 270.17 VP 37.349 GAP 5.40 AZP 91.85 TAL 195.24 TAP 38.86 RCA 105.25 APO 148.63 V2 34.842
 RC 125.075 GL 17.64 GP 12.89 ZAL 111.74 ZAP 143.25 ETS 15.57 ZAE 134.26 ETE 168.74 ZAC 38.39 ETC 170.99 CLP-145.28

PLANETOCENTRIC CONIC

C3 10.189 VHL 3.192 DLA .23 RAL 311.17 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.196 DPA -8.89 RAP 305.20 ECC 1.1677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 53 2072.80 -15.89 32.70 162.65 113.75 4 8 26 1472.8 -12.55 25.62
 90.00 15 35 18 4702.73 15.51 200.80 162.59 66.01 16 53 40 4102.7 12.14 193.75
 100.00 4 55 20 1810.08 -16.71 12.99 162.27 115.15 5 25 30 1210.1 -13.19 5.98
 100.00 16 56 32 4440.68 16.32 181.14 162.20 64.61 18 10 33 3840.7 12.77 174.15
 110.00 6 3 50 1595.70 -18.89 355.55 161.10 119.03 6 30 25 995.7 -14.88 348.73
 110.00 18 4 32 4227.82 18.50 163.80 161.02 60.73 19 15 0 3627.8 14.46 157.02

DIFFERENTIAL CORRECTIONS

TDE .6737 TRA -.4859 TC3-6.0371 BAU .8301
 RDE -.0178 RRA -.0343 RC3 .8271 FAU .09624
 FDE 1.1431 FRA .2692 FC3-8.1769 BSP 13025
 BDE .6739 BRA .4871 BC3 6.0935 FSP -1587

MID-COURSE EXECUTION ACCURACY

SGT 4132.5 SGR 532.6 SG3 486.4
 RRT -.9179 RRF -.9512 RTF .9533
 SGB 4166.7 R23 .1861 R13 -.9545
 SG1 4161.4 SG2 209.8 THA 173.24

ORBIT DETERMINATION ACCURACY

ST 1242.6 SR 40.2 SS 747.8
 CRT -.7150 CRS .8543 CST -.9602
 LSA 1439.3 MSA 181.7 SSA 14.3
 EL1 1242.9 EL2 28.1 ALF 178.67

LAUNCH DATE NOV 29 1965

FLIGHT TIME 150.00

ARRIVAL DATE APR 28 1966

MELIOCENTRIC CONIC

DISTANCE 434.986

RL 147.56 LAL .00 LOL 66.57 VL 27.410 GAL -2.85 AZL 87.80 MCA 206.79 SMA 126.69 ECC .17183 INC 2.2002 V1 30.194
 RP 108.79 LAP -.99 LOP 273.34 VP 37.314 GAP 5.67 AZP 91.96 TAL 193.96 TAP 40.75 RCA 104.92 APO 148.46 V2 34.834
 RC 127.413 GL 19.12 GP 11.16 ZAL 109.48 ZAP 145.47 ETS 14.45 ZAE 133.68 ETE 170.55 ZAC 39.93 ETC 168.89 CLP-147.11

PLANETOCENTRIC CONIC

C3 10.300 VML 3.209 DLA 2.23 RAL 312.77 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 4.296 DPA -10.33 RAP 306.85 ECC 1.1695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 26 2136.90 -17.61 36.62 164.73 112.54 4 1 3 1536.9 -14.40 29.41
 90.00 15 56 28 4642.97 13.82 197.22 164.07 65.04 17 13 51 4043.0 10.34 190.27
 100.00 4 47 49 1871.18 -18.44 16.71 164.35 113.95 5 19 0 1271.2 -15.05 9.56
 100.00 17 16 47 4383.92 14.64 177.77 163.66 63.64 18 29 51 3783.9 10.98 170.89
 110.00 5 58 26 1650.14 -20.66 358.78 163.21 117.86 6 25 57 1050.1 -16.77 351.82
 110.00 18 22 39 4177.73 16.81 160.91 162.45 59.79 19 32 16 3577.7 12.67 154.24

DIFFERENTIAL CORRECTIONS

TDE .7806 TRA -.4496 TC3-6.1439 BAU .8522
 RDE -.0049 RRA -.0403 RC3 .7424 FAU .09121
 FDE 1.1991 FRA .3359 FC3-7.6665 BSP 13410
 BDE .7807 BRA .4514 BC3 6.1886 FSP -1525

MID-COURSE EXECUTION ACCURACY

SGT 4259.0 SGR 482.0 SG3 466.5
 RRT -.8931 RRF -.9248 RTF .9526
 SGB 4286.2 R23 .1367 R13 -.9534
 SG1 4280.8 SG2 215.7 THA 174.21

ORBIT DETERMINATION ACCURACY

ST 1419.3 SR 27.4 SS 799.3
 CRT -.2260 CRS .4223 CST -.9677
 LSA 1619.3 MSA 177.9 SSA 14.8
 EL1 1419.3 EL2 26.7 ALF 179.75

LAUNCH DATE NOV 29 1965

FLIGHT TIME 152.00

ARRIVAL DATE APR 30 1966

MELIOCENTRIC CONIC

DISTANCE 440.952

RL 147.56 LAL .00 LOL 66.57 VL 27.372 GAL -2.61 AZL 87.66 MCA 209.96 SMA 126.44 ECC .17291 INC 2.3421 V1 30.194
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.279 GAP 5.93 AZP 92.03 TAL 192.65 TAP 42.60 RCA 104.58 APO 148.31 V2 34.826
 RC 129.747 GL 20.27 GP 9.79 ZAL 107.20 ZAP 147.49 ETS 13.57 ZAE 133.09 ETE 171.91 ZAC 41.55 ETC 167.42 CLP-148.84

PLANETOCENTRIC CONIC

C3 10.407 VML 3.226 DLA 3.96 RAL 314.50 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 4.406 DPA -11.37 RAP 308.55 ECC 1.1713
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 27 2192.89 -19.04 40.11 166.95 111.37 3 55 59 1592.9 -15.97 32.78
 90.00 16 16 19 4591.16 12.31 194.17 165.77 64.30 17 32 50 3991.2 8.75 187.30
 100.00 4 42 38 1924.54 -19.88 20.01 166.58 112.79 5 14 43 1324.5 -16.62 12.74
 100.00 17 35 49 4334.74 13.13 174.89 165.36 62.90 18 48 3 3734.7 9.39 168.10
 110.00 5 55 8 1697.64 -22.14 1.67 165.47 116.73 6 23 26 1097.6 -18.38 354.56
 110.00 18 39 48 4134.40 15.30 158.44 164.11 59.03 19 48 43 3534.4 11.09 151.88

DIFFERENTIAL CORRECTIONS

TDE .8785 TRA -.4044 TC3-6.2477 BAU .8744
 RDE .0081 RRA -.0465 RC3 .6799 FAU .08628
 FDE 1.2292 FRA .3988 FC3-7.1774 BSP 13817
 BDE .8785 BRA .4071 BC3 6.2846 FSP -1467

MID-COURSE EXECUTION ACCURACY

SGT 4382.0 SGR 446.7 SG3 446.6
 RRT -.8616 RRF -.8918 RTF .9520
 SGB 4404.7 R23 .1367 R13 -.9526
 SG1 4398.9 SG2 225.8 THA 174.97

ORBIT DETERMINATION ACCURACY

ST 1579.8 SR 31.6 SS 836.6
 CRT .5259 CRS -.3503 CST -.9726
 LSA 1779.3 MSA 174.2 SSA 15.4
 EL1 1579.9 EL2 26.8 ALF .60

LAUNCH DATE NOV 29 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 2 1966

MELIOCENTRIC CONIC

DISTANCE 446.902

RL 147.56 LAL .00 LOL 66.57 VL 27.334 GAL -2.36 AZL 87.54 MCA 213.13 SMA 126.19 ECC .17410 INC 2.4591 V1 30.194
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.244 GAP 6.19 AZP 92.06 TAL 191.30 TAP 44.43 RCA 104.22 APO 148.16 V2 34.819
 RC 132.074 GL 21.18 GP 8.70 ZAL 104.88 ZAP 149.34 ETS 12.89 ZAE 132.53 ETE 172.96 ZAC 43.24 ETC 166.39 CLP-150.48

PLANETOCENTRIC CONIC

C3 10.519 VML 3.243 DLA 5.51 RAL 316.36 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 4.522 DPA -12.11 RAP 310.30 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 11 2243.59 -20.26 43.33 169.30 110.21 3 52 34 1643.6 -17.33 35.88
 90.00 16 35 26 4544.78 10.93 191.46 167.66 63.71 17 51 10 3944.8 7.31 184.65
 100.00 4 39 7 1972.84 -21.13 23.06 168.95 111.65 5 12 0 1372.8 -18.00 15.66
 100.00 17 54 10 4290.77 11.75 172.36 167.24 62.32 19 5 41 3690.8 7.96 165.63
 110.00 5 53 20 1740.61 -23.43 4.34 167.86 115.63 6 22 20 1140.6 -19.79 357.09
 110.00 18 56 27 4095.76 13.94 156.28 165.96 58.47 20 4 43 3495.8 9.67 149.79

DIFFERENTIAL CORRECTIONS

TDE .9724 TRA -.3483 TC3-6.3372 BAU .8956
 RDE .0206 RRA -.0530 RC3 .6314 FAU .08140
 FDE 1.2460 FRA .4627 FC3-6.6992 BSP 14190
 BDE .9727 BRA .3524 BC3 6.3686 FSP -1406

MID-COURSE EXECUTION ACCURACY

SGT 4497.9 SGR 421.8 SG3 426.8
 RRT -.8237 RRF -.8528 RTF .9513
 SGB 4517.6 R23 .1181 R13 -.9518
 SG1 4511.3 SG2 238.4 THA 175.57

ORBIT DETERMINATION ACCURACY

ST 1732.3 SR 47.7 SS 866.8
 CRT .8022 CRS -.6765 CST -.9761
 LSA 1930.0 MSA 170.8 SSA 16.0
 EL1 1732.7 EL2 28.5 ALF 1.27

LAUNCH DATE NOV 29 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 4 1966

MELIOCENTRIC CONIC

DISTANCE 452.836

RL 147.56 LAL .00 LOL 66.57 VL 27.295 GAL -2.10 AZL 87.44 MCA 216.29 SMA 125.94 ECC .17540 INC 2.5578 V1 30.194
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.210 GAP 6.44 AZP 92.06 TAL 189.94 TAP 46.23 RCA 103.85 APO 148.03 V2 34.812
 RC 134.395 GL 21.91 GP 7.80 ZAL 102.51 ZAP 151.06 ETS 12.36 ZAE 132.00 ETE 173.79 ZAC 44.99 ETC 165.67 CLP-152.04

PLANETOCENTRIC CONIC

C3 10.643 VML 3.262 DLA 6.92 RAL 318.34 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.644 DPA -12.61 RAP 312.10 ECC 1.1752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 12 2290.80 -21.34 46.37 171.79 109.06 3 50 23 1690.8 -18.55 38.81
 90.00 16 54 8 4502.33 9.64 189.01 169.73 63.24 18 9 11 3902.3 5.97 182.25
 100.00 4 36 51 2017.77 -22.23 25.94 171.45 110.52 5 10 29 1417.8 -19.24 18.43
 100.00 18 12 10 4250.57 10.47 170.06 169.29 61.84 19 23 1 3650.6 6.63 163.38
 110.00 5 52 39 1780.53 -24.58 6.87 170.39 114.53 6 22 20 1180.5 -21.07 359.49
 110.00 19 12 51 4060.59 12.68 154.34 167.98 57.99 20 20 32 3460.6 8.36 147.90

DIFFERENTIAL CORRECTIONS

TDE 1.0625 TRA -.2837 TC3-6.4142 BAU .9165
 RDE .0327 RRA -.0597 RC3 .5927 FAU .07673
 FDE 1.2511 FRA .5234 FC3-6.2418 BSP 14567
 BDE 1.0630 BRA .2899 BC3 6.4412 FSP -1348

MID-COURSE EXECUTION ACCURACY

SGT 4609.6 SGR 405.0 SG3 407.7
 RRT -.7810 RRF -.8091 RTF .9506
 SGB 4627.4 R23 .1032 R13 -.9510
 SG1 4620.5 SG2 252.3 THA 176.06

ORBIT DETERMINATION ACCURACY

ST 1876.3 SR 66.7 SS 890.0
 CRT .8841 CRS -.7850 CST -.9788
 LSA 2070.9 MSA 167.6 SSA 16.7
 EL1 1877.2 EL2 31.1 ALF 1.80

LAUNCH DATE NOV 29 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 458.754

RL 147.56 LAL .00 LOL 66.57 VL 27.256 GAL -1.82 AZL 87.36 MCA 219.46 SMA 125.69 ECC .17682 INC 2.6426 V1 30.194
 RP 108.87 LAP -1.68 LOP 285.99 VP 37.176 GAP 6.70 AZP 92.04 TAL 188.54 TAP 48.00 RCA 103.46 APO 147.91 V2 34.806
 RC 136.709 GL 22.49 GP 7.06 ZAL 100.10 ZAP 152.66 ETS 11.97 ZAE 131.52 ETE 174.44 ZAC 46.78 ETC 165.19 CLP-153.52

PLANETOCENTRIC CONIC

C3 10.786 VHL 3.284 DLA 8.24 RAL 320.41 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 4.770 DPA -12.93 RAP 313.94 ECC 1.1775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 13 2335.68 -22.31 49.30 174.42 107.90 3 49 8 1735.7 -19.66 41.64
 90.00 17 12 40 4462.87 8.42 186.75 171.95 62.86 18 27 3 3862.9 4.71 180.03
 100.00 4 35 33 2060.47 -23.22 28.73 174.09 109.37 5 9 53 1460.5 -20.37 21.10
 100.00 18 30 2 4213.32 9.27 167.95 171.50 61.45 19 40 15 3613.3 5.38 161.32
 110.00 5 52 53 1818.43 -25.63 9.31 173.05 113.43 6 23 11 1218.4 -22.24 1.80
 110.00 19 29 11 4028.12 11.50 152.56 170.16 57.59 20 36 19 3428.1 7.14 146.18

DIFFERENTIAL CORRECTIONS

TDE 1.1538 TRA -.2079 TC3-6.4651 BAU .9357
 RDE .0442 RRA -.0668 RC3 .5599 FAU .07213
 FDE 1.2538 FRA .5845 FC3-5.7900 BSP 14868
 BDE 1.1546 BRA .2184 BC3 6.4893 FSP -1284

MID-COURSE EXECUTION ACCURACY

SGT 4713.7 SGR 393.8 SG3 389.4
 RRT -.7345 RRF -.7615 RTF .9497
 SGB 4730.1 R23 .0909 R13 -.9501
 SG1 4722.6 SG2 266.7 THA 176.48

ORBIT DETERMINATION ACCURACY

ST 2019.9 SR 85.5 SS 911.7
 CRT .9126 CRS -.8269 CST -.9811
 LSA 2211.5 MSA 164.7 SSA 17.3
 EL1 2021.4 EL2 34.9 ALF 2.21

LAUNCH DATE NOV 29 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 464.656

RL 147.56 LAL .00 LOL 66.57 VL 27.217 GAL -1.54 AZL 87.28 MCA 222.62 SMA 125.43 ECC .17836 INC 2.7168 V1 30.194
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.142 GAP 6.96 AZP 92.00 TAL 187.12 TAP 49.74 RCA 103.06 APO 147.80 V2 34.801
 RC 139.015 GL 22.93 GP 6.44 ZAL 97.64 ZAP 154.17 ETS 11.67 ZAE 131.08 ETE 174.97 ZAC 48.62 ETC 164.88 CLP-154.93

PLANETOCENTRIC CONIC

C3 10.954 VHL 3.310 DLA 9.49 RAL 322.58 RAD 6567.4 VEL 11.504 PTH 2.00 VHP 4.901 DPA -13.10 RAP 315.83 ECC 1.1803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 1 2379.04 -23.19 52.18 177.17 106.72 3 48 40 1779.0 -20.68 44.40
 90.00 17 31 10 4425.85 7.26 184.65 174.32 62.56 18 44 56 3825.8 3.53 177.96
 100.00 4 35 1 2101.67 -24.12 31.46 176.85 108.21 5 10 3 1501.7 -21.41 23.71
 100.00 18 47 51 4178.44 8.13 165.99 173.86 61.13 19 57 29 3578.4 4.21 159.39
 110.00 5 53 51 1854.97 -26.60 11.71 175.84 112.31 6 24 46 1255.0 -23.34 4.07
 110.00 19 45 30 3997.92 10.39 150.92 172.49 57.25 20 52 8 3397.9 6.00 144.58

DIFFERENTIAL CORRECTIONS

TDE 1.2421 TRA -.1245 TC3-6.4988 BAU .9549
 RDE .0555 RRA -.0739 RC3 .5317 FAU .06784
 FDE 1.2478 FRA .6409 FC3-5.3619 BSP 15214
 BDE 1.2435 BRA .1448 BC3 6.5205 FSP -1232

MID-COURSE EXECUTION ACCURACY

SGT 4814.2 SGR 387.2 SG3 371.9
 RRT -.6861 RRF -.7124 RTF .9491
 SGB 4829.8 R23 .0811 R13 -.9493
 SG1 4821.6 SG2 281.3 THA 176.83

ORBIT DETERMINATION ACCURACY

ST 2155.1 SR 104.2 SS 926.9
 CRT .9254 CRS -.8476 CST -.9828
 LSA 2342.6 MSA 161.9 SSA 17.8
 EL1 2157.2 EL2 39.5 ALF 2.56

LAUNCH DATE NOV 29 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 470.541

RL 147.56 LAL .00 LOL 66.57 VL 27.178 GAL -1.24 AZL 87.22 MCA 225.78 SMA 125.18 ECC .18005 INC 2.7825 V1 30.194
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.109 GAP 7.22 AZP 91.94 TAL 185.68 TAP 51.47 RCA 102.64 APO 147.72 V2 34.797
 RC 141.312 GL 23.26 GP 5.91 ZAL 95.13 ZAP 155.60 ETS 11.48 ZAE 130.69 ETE 175.40 ZAC 50.49 ETC 164.70 CLP-156.28

PLANETOCENTRIC CONIC

C3 11.154 VHL 3.340 DLA 10.66 RAL 324.83 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 5.036 DPA -13.14 RAP 317.76 ECC 1.1836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 29 2421.41 -23.99 55.02 180.06 105.51 3 48 50 1821.4 -21.63 47.15
 90.00 17 49 42 4390.92 6.16 182.67 176.85 62.31 19 2 52 3790.9 2.41 176.00
 100.00 4 35 9 2141.91 -24.95 34.16 179.76 107.02 5 10 50 1541.9 -22.39 26.30
 100.00 19 5 43 4145.65 7.04 164.16 176.37 60.87 20 14 49 3545.7 3.11 157.58
 110.00 5 55 27 1890.60 -27.50 14.09 178.77 111.15 6 26 58 1290.6 -24.37 6.32
 110.00 20 1 54 3969.72 9.35 149.40 174.96 56.97 21 8 3 3369.7 4.94 143.10

DIFFERENTIAL CORRECTIONS

TDE 1.3285 TRA -.0338 TC3-6.5158 BAU .9746
 RDE .0668 RRA -.0810 RC3 .5067 FAU .06393
 FDE 1.2359 FRA .6922 FC3-4.9620 BSP 15576
 BDE 1.3302 BRA .0877 BC3 6.5355 FSP -1185

MID-COURSE EXECUTION ACCURACY

SGT 4913.3 SGR 384.3 SG3 355.6
 RRT -.6374 RRF -.6635 RTF .9488
 SGB 4928.3 R23 .0734 R13 -.9490
 SG1 4919.4 SG2 295.7 THA 177.14

ORBIT DETERMINATION ACCURACY

ST 2282.9 SR 122.7 SS 936.9
 CRT .9311 CRS -.8583 CST -.9843
 LSA 2465.5 MSA 159.2 SSA 18.3
 EL1 2285.8 EL2 44.7 ALF 2.87

LAUNCH DATE NOV 29 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 476.410

RL 147.56 LAL .00 LOL 66.57 VL 27.138 GAL -.94 AZL 87.16 MCA 228.95 SMA 124.93 ECC .18188 INC 2.8415 V1 30.194
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.076 GAP 7.48 AZP 91.87 TAL 184.22 TAP 53.17 RCA 102.20 APO 147.65 V2 34.793
 RC 143.598 GL 23.49 GP 5.46 ZAL 92.59 ZAP 156.96 ETS 11.36 ZAE 130.34 ETE 175.76 ZAC 52.41 ETC 164.61 CLP-157.58

PLANETOCENTRIC CONIC

C3 11.392 VHL 3.375 DLA 11.79 RAL 327.17 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 5.174 DPA -13.07 RAP 319.73 ECC 1.1875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 30 2463.15 -24.72 57.86 183.08 104.27 3 49 34 1863.2 -22.52 49.89
 90.00 18 8 18 4357.90 5.11 180.81 179.51 62.11 19 20 56 3757.9 1.34 174.16
 100.00 4 35 50 2181.52 -25.71 36.85 182.79 105.79 5 12 11 1581.5 -23.30 28.89
 100.00 19 23 39 4114.77 6.02 162.44 179.02 60.66 20 32 14 3514.8 2.06 155.88
 110.00 5 57 36 1925.64 -28.34 16.48 181.84 109.97 6 29 42 1325.6 -25.35 8.57
 110.00 20 18 22 3943.40 8.37 148.00 177.57 56.74 21 24 6 3343.4 3.94 141.71

DIFFERENTIAL CORRECTIONS

TDE 1.4171 TRA .0674 TC3-6.4991 BAU .9925
 RDE .0779 RRA -.0882 RC3 .4823 FAU .06006
 FDE 1.2245 FRA .7430 FC3-4.5640 BSP 15895
 BDE 1.4192 BRA .1110 BC3 6.5170 FSP -1137

MID-COURSE EXECUTION ACCURACY

SGT 5004.7 SGR 383.2 SG3 339.9
 RRT -.5882 RRF -.6137 RTF .9482
 SGB 5019.4 R23 .0666 R13 -.9484
 SG1 5009.8 SG2 309.6 THA 177.41

ORBIT DETERMINATION ACCURACY

ST 2409.4 SR 140.3 SS 946.1
 CRT .9324 CRS -.8630 CST -.9857
 LSA 2587.5 MSA 156.9 SSA 18.7
 EL1 2413.0 EL2 50.6 ALF 3.11

LAUNCH DATE NOV 29 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 482.262

RL 147.56 LAL .00 LOL 66.57 VL 27.038 GAL -.62 AZL 87.10 MCA 232.11 SMA 124.67 ECC .18387 INC 2.8950 V1 30.194
 RP 108.93 LAP -2.28 LOP 238.64 VP 37.044 GAP 7.74 AZP 91.78 TAL 182.74 TAP 54.85 RCA 101.75 APO 147.60 V2 34.790
 RC 145.874 GL 23.61 GP 5.07 ZAL 90.00 ZAP 158.25 ETS 11.32 ZAE 130.03 ETE 176.07 ZAC 54.36 ETC 164.60 CLP-158.82

PLANETOCENTRIC CONIC

C3 11.674 VHL 3.417 CLA 12.86 RAL 329.58 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.318 DPA -12.90 RAP 321.72 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 1 2504.53 -25.38 60.71 186.24 102.99 3 50 46 1904.5 -23.35 52.64
 90.00 18 26 59 4326.71 4.12 179.06 182.32 61.96 19 39 6 3726.7 .34 172.42
 100.00 4 37 1 2220.74 -26.41 39.56 185.96 104.53 5 14 2 1620.7 -24.16 31.49
 100.00 19 41 41 4085.73 5.05 160.83 181.80 60.50 20 49 46 3485.7 1.08 154.29
 110.00 6 0 15 1960.31 -29.12 18.87 185.04 108.75 6 32 55 1360.3 -26.28 10.83
 110.00 20 34 56 3918.93 7.45 146.69 180.32 56.54 21 40 15 3318.9 3.00 140.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5079 TRA .1796 TC3-6.4488 BAU 1.0090
 RDE .0890 RRA -.0954 RC3 .4584 FAU .05636
 FDE 1.2117 FRA .7932 FC3-4.1794 BSP 16140
 BDE 1.5105 BRA .2034 BC3 6.4650 FSP -1086

SGT 5090.0 SGR 383.9 SG3 325.0
 RRT -.5393 RRF -.5646 RTF .9478
 SGB 5104.5 R23 .0611 R13 -.9479
 SGI 5094.3 SG2 323.0 THA 177.66

ST 2533.8 SR 157.5 SS 933.1
 CRT .9315 CRS -.8644 CST -.9869
 LSA 2707.2 MSA 155.2 SSA 19.0
 EL1 2538.0 EL2 57.2 ALF 3.32

LAUNCH DATE NOV 29 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 488.097

RL 147.56 LAL .00 LOL 66.57 VL 27.059 GAL -.28 AZL 87.06 MCA 235.27 SMA 124.42 ECC .18602 INC 2.9442 V1 30.194
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.013 GAP 8.01 AZP 91.68 TAL 181.24 TAP 56.51 RCA 101.28 APO 147.57 V2 34.787
 RC 148.138 GL 23.65 GP 4.72 ZAL 87.39 ZAP 159.48 ETS 11.35 ZAE 129.76 ETE 176.32 ZAC 56.35 ETC 164.63 CLP-160.01

PLANETOCENTRIC CONIC

C3 12.007 VHL 3.465 CLA 13.88 RAL 332.05 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 5.465 DPA -12.65 RAP 323.75 ECC 1.1976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 59 2545.67 -25.98 63.58 189.51 101.67 3 52 25 1945.7 -24.11 55.41
 90.00 18 45 45 4297.39 3.18 177.42 185.25 61.85 19 57 22 3697.4 -.61 170.79
 100.00 4 38 39 2259.70 -27.05 42.28 189.25 103.23 5 16 19 1659.7 -24.96 34.10
 100.00 19 59 46 4058.59 4.13 159.33 184.72 60.37 21 7 24 3458.6 .16 152.80
 110.00 6 3 21 1994.71 -29.85 21.28 188.38 107.49 6 36 35 1394.7 -27.17 13.12
 110.00 20 51 34 3896.34 6.61 145.50 183.20 56.38 21 56 30 3296.3 2.14 139.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5973 TRA .2975 TC3-6.3847 BAU 1.0273
 RDE .1004 RRA -.1024 RC3 .4355 FAU .05314
 FDE 1.1979 FRA .8364 FC3-3.8317 BSP 16476
 BDE 1.6005 BRA .3146 BC3 6.3995 FSP -1047

SGT 5177.9 SGR 386.1 SG3 311.6
 RRT -.4930 RRF -.5179 RTF .9481
 SGB 5192.3 R23 .0559 R13 -.9482
 SGI 5181.5 SG2 335.7 THA 177.89

ST 2648.9 SR 174.3 SS 957.6
 CRT .9299 CRS -.8650 CST -.9880
 LSA 2817.8 MSA 153.3 SSA 19.3
 EL1 2653.8 EL2 64.0 ALF 3.50

LAUNCH DATE NOV 29 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 493.913

RL 147.56 LAL .00 LOL 66.57 VL 27.019 GAL .06 AZL 87.01 MCA 238.43 SMA 124.17 ECC .18835 INC 2.9897 V1 30.194
 RP 108.94 LAP -2.55 LOP 304.97 VP 36.982 GAP 8.28 AZP 91.57 TAL 179.72 TAP 58.15 RCA 100.78 APO 147.56 V2 34.786
 RC 150.390 GL 23.59 GP 4.43 ZAL 84.76 ZAP 160.67 ETS 11.45 ZAE 129.52 ETE 176.54 ZAC 58.36 ETC 164.71 CLP-161.16

PLANETOCENTRIC CONIC

C3 12.399 VHL 3.521 CLA 14.85 RAL 334.58 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.618 DPA -12.33 RAP 325.80 ECC 1.2040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 21 2586.66 -26.52 66.46 192.91 100.32 3 54 28 1986.7 -24.82 58.20
 90.00 19 4 33 4269.98 2.30 175.88 188.32 61.77 20 15 43 3670.0 -1.50 169.26
 100.00 4 40 43 2298.48 -27.62 45.02 192.67 101.90 5 19 1 1698.5 -25.70 36.74
 100.00 20 17 52 4033.39 3.28 157.94 187.77 60.27 21 25 6 3433.4 -.70 151.42
 110.00 6 6 52 2028.94 -30.52 23.72 191.84 106.19 6 40 41 1428.9 -28.00 15.43
 110.00 21 8 13 3875.70 5.83 144.41 186.19 56.26 22 12 49 3275.7 1.35 138.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6980 TRA .4399 TC3-6.2388 BAU 1.0363
 RDE .1114 RRA -.1102 RC3 .4084 FAU .04885
 FDE 1.1981 FRA .9026 FC3-3.4112 BSP 16646
 BDE 1.7017 BRA .4535 BC3 6.2521 FSP -989

SGT 5242.7 SGR 387.3 SG3 297.8
 RRT -.4433 RRF -.4640 RTF .9444
 SGB 5257.0 R23 .0485 R13 -.9445
 SGI 5245.5 SG2 347.0 THA 178.12

ST 2775.1 SR 189.9 SS 972.4
 CRT .9252 CRS -.8609 CST -.9888
 LSA 2942.5 MSA 154.8 SSA 19.5
 EL1 2780.6 EL2 71.9 ALF 3.62

LAUNCH DATE NOV 29 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 499.711

RL 147.56 LAL .00 LOL 66.57 VL 26.979 GAL .43 AZL 86.97 MCA 241.59 SMA 123.92 ECC .19087 INC 3.0322 V1 30.194
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.952 GAP 8.56 AZP 91.44 TAL 178.19 TAP 59.78 RCA 100.27 APO 147.57 V2 34.785
 RC 152.629 GL 23.45 GP 4.16 ZAL 82.11 ZAP 161.81 ETS 11.61 ZAE 129.30 ETE 176.73 ZAC 60.41 ETC 164.81 CLP-162.27

PLANETOCENTRIC CONIC

C3 12.856 VHL 3.586 CLA 15.77 RAL 337.15 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.776 DPA -11.94 RAP 327.87 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 7 2627.50 -26.98 69.36 196.42 98.94 3 56 54 2027.5 -25.47 61.02
 90.00 19 23 19 4244.63 1.48 174.47 191.50 61.72 20 34 3 3644.6 -2.31 167.84
 100.00 4 43 10 2337.08 -28.14 47.77 196.20 100.54 5 22 7 1737.1 -26.39 39.40
 100.00 20 35 56 4010.28 2.50 156.67 190.93 60.20 21 42 47 3410.3 -1.48 150.15
 110.00 6 10 46 2062.97 -31.14 26.18 195.42 104.86 6 45 9 1463.0 -28.79 17.77
 110.00 21 24 50 3857.15 5.12 143.43 189.30 56.16 22 29 7 3257.2 .64 137.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7818 TRA .5690 TC3-6.1343 BAU 1.0564
 RDE .1242 RRA -.1162 RC3 .3858 FAU .04640
 FDE 1.1688 FRA .9285 FC3-3.1244 BSP 16940
 BDE 1.7861 BRA .5808 BC3 6.1464 FSP -955

SGT 5324.5 SGR 391.3 SG3 285.1
 RRT -.4004 RRF -.4234 RTF .9467
 SGB 5338.9 R23 .0465 R13 -.9468
 SGI 5326.8 SG2 358.4 THA 178.31

ST 2864.4 SR 206.8 SS 960.8
 CRT .9240 CRS -.8619 CST -.9897
 LSA 3024.4 MSA 152.8 SSA 19.5
 EL1 2870.8 EL2 78.9 ALF 3.82

LAUNCH DATE NOV 29 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.939 GAL .80 AZL 86.93 HCA 244.75 SMA 123.67 ECC .19360 INC 3.0723 V1 30.194
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.923 GAP 8.84 AZP 91.31 TAL 176.65 TAP 61.40 RCA 99.73 APO 147.62 V2 34.784
 RC 154.855 GL 23.24 GP 3.93 ZAL 79.46 ZAP 162.90 ETS 11.84 ZAE 129.12 ETE 176.90 ZAC 62.48 ETC 164.93 CLP-163.35

PLANETOCENTRIC CONIC
 C3 13.388 VHL 3.659 DLA 16.64 RAL 339.76 RAD 6567.5 VEL 11.609 PTH 2.03 VHP 5.939 CPA -11.49 RAP 329.95 ECC 1.2203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 15 2668.20 -27.38 72.27 200.04 97.53 3 59 43 2068.2 -26.05 63.86
 90.00 19 42 0 4221.45 .73 173.18 194.80 61.69 20 52 22 3621.5 -3.06 166.55
 100.00 4 46 0 2375.50 -28.58 50.54 199.84 99.15 5 25 36 1775.5 -27.02 42.09
 100.00 20 53 56 3989.38 1.80 155.52 194.21 60.16 22 0 25 3389.4 -2.19 149.00
 110.00 6 15 4 2096.85 -31.71 28.66 199.11 103.49 6 50 1 1496.9 -29.53 20.13
 110.00 21 41 21 3840.79 4.50 142.57 192.52 56.08 22 45 22 3240.8 .02 136.36

DIFFERENTIAL CORRECTIONS
 TOE 1.8778 TRA .7204 TC3-5.9641 BAU 1.0694 SGT 5392.7 SGR 394.3 SG3 273.2 ST 2964.5 SR 222.5 SS 961.1
 RDE .1367 RRA -.1225 RC3 .3602 FAU .04330 RRT -.3559 RRF -.3774 RTF .9463 CRT .9207 CRS -.8602 CST -.9905
 FDE 1.1561 FRA .9716 FC3-2.8003 BSP 17155 SGB 5407.1 R23 .0418 R13 -.9464 LSA 3120.5 MSA 153.2 SSA 19.4
 BDE 1.8828 BRA .7307 BC3 5.9750 FSP -.916 SGI 5394.6 SG2 368.3 THA 178.50 EL1 2971.6 EL2 86.7 ALF 3.96

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.900 GAL 1.20 AZL 86.89 HCA 247.92 SMA 123.43 ECC .19655 INC 3.1103 V1 30.194
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.895 GAP 9.13 AZP 91.17 TAL 175.09 TAP 63.01 RCA 99.17 APO 147.69 V2 34.785
 RC 157.067 GL 22.95 GP 3.73 ZAL 76.81 ZAP 163.97 ETS 12.15 ZAE 128.96 ETE 177.05 ZAC 64.58 ETC 165.06 CLP-164.40

PLANETOCENTRIC CONIC
 C3 14.004 VHL 3.742 DLA 17.45 RAL 342.39 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.109 CPA -10.99 RAP 332.06 ECC 1.2305
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 44 2708.67 -27.70 75.19 203.75 96.10 4 2 53 2108.7 -26.57 66.70
 90.00 20 0 32 4200.65 .06 172.02 198.20 61.68 21 10 32 3600.6 -3.73 165.38
 100.00 4 49 13 2413.69 -28.96 53.32 203.58 97.73 5 29 26 1813.7 -27.59 44.78
 100.00 21 11 44 3970.86 1.17 154.51 197.58 60.13 22 17 55 3370.9 -2.82 147.99
 110.00 6 19 43 2130.53 -32.22 31.15 202.92 102.10 6 55 14 1530.5 -30.22 22.51
 110.00 21 57 44 3826.79 3.97 141.83 195.83 56.02 23 1 30 3226.8 -.52 135.63

DIFFERENTIAL CORRECTIONS
 TOE 1.9699 TRA .8790 TC3-5.7779 BAU 1.0836 SGT 5457.8 SGR 397.6 SG3 261.8 ST 3048.4 SR 238.3 SS 955.0
 RDE .1502 RRA -.1283 RC3 .3346 FAU .04055 RRT -.3133 RRF -.3346 RTF .9466 CRT .9177 CRS -.8586 CST -.9911
 FDE 1.1377 FRA 1.0097 FC3-2.5068 BSP 17432 SGB 5472.2 R23 .0385 R13 -.9466 LSA 3199.6 MSA 153.9 SSA 19.3
 BDE 1.9756 BRA .8883 BC3 5.7876 FSP -.885 SGI 5459.2 SG2 377.4 THA 178.69 EL1 3056.2 EL2 94.4 ALF 4.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.860 GAL 1.61 AZL 86.85 HCA 251.08 SMA 123.19 ECC .19975 INC 3.1467 V1 30.194
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.867 GAP 9.44 AZP 91.02 TAL 173.52 TAP 64.60 RCA 98.58 APO 147.79 V2 34.786
 RC 159.265 GL 22.60 GP 3.54 ZAL 74.18 ZAP 165.00 ETS 12.52 ZAE 128.83 ETE 177.19 ZAC 66.70 ETC 165.20 CLP-165.41

PLANETOCENTRIC CONIC
 C3 14.715 VHL 3.836 DLA 18.21 RAL 345.04 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 6.286 CPA -10.43 RAP 334.17 ECC 1.2422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 36 2748.85 -27.96 78.10 207.55 94.66 4 6 25 2148.9 -27.02 69.56
 90.00 20 18 49 4182.37 -.53 171.00 201.68 61.69 21 28 31 3582.4 -4.31 164.36
 100.00 4 52 47 2451.57 -29.28 56.09 207.40 96.31 5 33 39 1851.6 -28.10 47.48
 100.00 21 29 19 3954.88 .63 153.63 201.04 60.11 22 35 13 3354.9 -3.35 147.11
 110.00 6 24 43 2163.96 -32.67 33.65 206.81 100.68 7 0 47 1564.0 -30.85 24.91
 110.00 22 13 52 3815.26 3.53 141.23 199.23 55.98 23 17 28 3215.3 -.96 135.02

DIFFERENTIAL CORRECTIONS
 TOE 2.0639 TRA 1.0492 TC3-5.5651 BAU 1.0965 SGT 5518.5 SGR 400.6 SG3 251.0 ST 3124.9 SR 253.6 SS 948.2
 RDE .1644 RRA -.1336 RC3 .3086 FAU .03788 RRT -.2715 RRF -.2922 RTF .9467 CRT .9147 CRS -.8569 CST -.9918
 FDE 1.1206 FRA 1.0481 FC3-2.2289 BSP 17660 SGB 5533.0 R23 .0352 R13 -.9468 LSA 3271.7 MSA 155.3 SSA 19.0
 BDE 2.0705 BRA 1.0577 BC3 5.5736 FSP -.851 SGI 5519.6 SG2 385.5 THA 178.87 EL1 3133.5 EL2 102.2 ALF 4.25

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 180.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.821 GAL 2.04 AZL 86.82 HCA 254.24 SMA 122.95 ECC .20320 INC 3.1817 V1 30.194
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.840 GAP 9.75 AZP 90.86 TAL 171.95 TAP 66.19 RCA 97.96 APO 147.93 V2 34.788
 RC 161.449 GL 22.18 GP 3.38 ZAL 71.57 ZAP 166.00 ETS 12.98 ZAE 128.71 ETE 177.31 ZAC 68.84 ETC 165.34 CLP-166.41

PLANETOCENTRIC CONIC
 C3 15.532 VHL 3.941 DLA 18.91 RAL 347.70 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 6.471 CPA -9.83 RAP 336.29 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 50 2788.64 -28.15 81.00 211.42 93.22 4 10 18 2188.6 -27.40 72.41
 90.00 20 36 46 4166.81 -1.03 170.13 205.25 61.70 21 46 12 3566.8 -4.81 163.48
 100.00 4 56 44 2489.06 -29.53 58.85 211.31 94.88 5 38 13 1889.1 -28.54 50.18
 100.00 21 46 33 3941.62 .18 152.90 204.58 60.11 22 52 14 3341.6 -3.80 146.38
 110.00 6 30 3 2197.09 -33.06 36.16 210.79 99.25 7 6 40 1597.1 -31.43 27.32
 110.00 22 29 43 3806.35 3.19 140.76 202.69 55.95 23 33 9 3206.4 -1.30 134.56

DIFFERENTIAL CORRECTIONS
 TOE 2.1583 TRA 1.2299 TC3-5.3295 BAU 1.1082 SGT 5573.5 SGR 403.4 SG3 240.7 ST 3191.1 SR 268.6 SS 940.0
 RDE .1794 RRA -.1383 RC3 .2823 FAU .03532 RRT -.2304 RRF -.2500 RTF .9470 CRT .9117 CRS -.8555 CST -.9923
 FDE 1.1037 FRA 1.0847 FC3-1.9689 BSP 17888 SGB 5588.1 R23 .0316 R13 -.9470 LSA 3333.7 MSA 157.1 SSA 18.7
 BDE 2.1657 BRA 1.2376 BC3 5.3370 FSP -.820 SGI 5574.3 SG2 392.5 THA 179.04 EL1 3200.4 EL2 110.0 ALF 4.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 182.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 528.369

RL 147.56 LAL .00 LOL 66.57 VL 26.782 GAL 2.49 AZL 86.78 HCA 257.40 SMA 122.71 ECC .20694 INC 3.2156 V1 30.194
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.814 GAP 10.07 AZP 90.70 TAL 170.37 TAP 67.77 RCA 97.31 APO 148.10 V2 34.791
 RC 163.619 GL 21.71 GP 3.23 ZAL 68.99 ZAP 166.98 ETS 13.53 ZAE 128.61 ETE 177.42 ZAC 71.00 ETC 165.48 CLP-167.38

PLANETOCENTRIC CONIC

C3 16.469 VML 4.058 DLA 19.55 RAL 350.34 RAD 6567.7 VEL 11.741 PTH 2.07 VHP 6.664 DPA -9.19 RAP 338.41 ECC 1.2710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 25 2827.93 -28.26 83.86 215.35 91.79 4 14 33 2227.9 -27.72 75.24
 90.00 20 54 17 4154.13 -1.44 169.42 208.88 61.72 22 3 31 3554.1 -5.21 162.77
 100.00 5 1 1 2526.09 -29.71 61.58 215.27 93.45 5 43 8 1926.1 -28.92 52.87
 100.00 22 3 22 3931.21 -.18 152.33 208.18 60.11 23 8 53 3331.2 -4.15 145.80
 110.00 6 35 42 2229.89 -33.39 38.66 214.85 97.80 7 12 52 1629.9 -31.95 29.73
 110.00 22 45 11 3800.18 2.96 140.44 206.22 55.93 23 48 31 3200.2 -1.53 134.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2563 TRA 1.4256 TC3-5.0670 BAU 1.1170 SGT 5623.4 SGR 405.7 SG3 230.9 ST 3251.7 SR 283.1 SS 931.7
 RDE .1953 RRA -.1422 RC3 .2560 FAU .03275 RRT -.1891 RRF -.2075 RTF .9471 CRT .9088 CRS -.8540 CST -.9929
 FDE 1.0886 FRA 1.1227 FC3-1.7216 BSP 18023 SGB 5638.0 R23 .0280 R13 -.9471 LSA 3390.5 MSA 159.5 SSA 18.3
 BDE 2.2647 BRA 1.4327 BC3 5.0735 FSP -786 SG1 5624.0 SG2 398.3 THA 179.21 EL1 3261.8 EL2 117.8 ALF 4.53

LAUNCH DATE NOV 29 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 534.021

RL 147.56 LAL .00 LOL 66.57 VL 26.743 GAL 2.96 AZL 86.75 HCA 260.56 SMA 122.47 ECC .21099 INC 3.2487 V1 30.194
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.789 GAP 10.41 AZP 90.53 TAL 168.79 TAP 69.35 RCA 96.63 APO 148.31 V2 34.794
 RC 165.775 GL 21.18 GP 3.09 ZAL 66.45 ZAP 167.93 ETS 14.19 ZAE 128.52 ETE 177.53 ZAC 73.18 ETC 165.62 CLP-168.33

PLANETOCENTRIC CONIC

C3 17.541 VML 4.188 DLA 20.13 RAL 352.97 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 6.867 DPA -8.51 RAP 340.55 ECC 1.2887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 23 2866.61 -28.31 86.69 219.33 90.37 4 19 10 2266.6 -27.96 78.04
 90.00 21 11 18 4144.52 -1.75 168.89 212.57 61.73 22 20 23 3544.5 -5.52 162.23
 100.00 5 5 41 2562.55 -29.83 64.29 219.30 92.03 5 48 23 1962.5 -29.23 55.54
 100.00 22 19 41 3923.82 -.43 151.93 211.84 60.11 23 25 5 3323.8 -4.40 145.40
 110.00 6 41 39 2262.29 -33.66 41.15 218.97 96.35 7 19 21 1662.3 -32.41 32.14
 110.00 23 0 13 3796.84 2.83 140.27 209.80 55.92 24 3 29 3196.8 -1.66 134.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3517 TRA 1.6300 TC3-4.7978 BAU 1.1265 SGT 5669.4 SGR 407.6 SG3 221.6 ST 3297.3 SR 297.1 SS 920.9
 RDE .2121 RRA -.1452 RC3 .2302 FAU .03041 RRT -.1489 RRF -.1662 RTF .9475 CRT .9061 CRS -.8529 CST -.9934
 FDE 1.0723 FRA 1.1579 FC3-1.5008 BSP 18216 SGB 5684.0 R23 .0247 R13 -.9476 LSA 3432.5 MSA 162.1 SSA 17.9
 BDE 2.3613 BRA 1.6364 BC3 4.8034 FSP -756 SG1 5669.7 SG2 403.1 THA 179.38 EL1 3308.3 EL2 125.3 ALF 4.67

LAUNCH DATE NOV 29 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 539.641

RL 147.56 LAL .00 LOL 66.57 VL 26.704 GAL 3.46 AZL 86.72 HCA 263.73 SMA 122.24 ECC .21538 INC 3.2813 V1 30.194
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.765 GAP 10.77 AZP 90.36 TAL 167.20 TAP 70.92 RCA 95.91 APO 148.56 V2 34.798
 RC 167.915 GL 20.62 GP 2.97 ZAL 63.96 ZAP 168.86 ETS 14.97 ZAE 128.45 ETE 177.62 ZAC 75.37 ETC 165.75 CLP-169.26

PLANETOCENTRIC CONIC

C3 18.767 VML 4.332 DLA 20.64 RAL 355.58 RAD 6567.8 VEL 11.838 PTH 2.10 VHP 7.080 DPA -7.80 RAP 342.68 ECC 1.3089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 44 2904.57 -28.30 89.47 223.36 88.98 4 24 8 2304.6 -28.14 80.81
 90.00 21 27 43 4138.13 -1.96 168.53 216.30 61.75 22 36 41 3538.1 -5.72 161.87
 100.00 5 10 41 2598.36 -29.89 66.95 223.36 90.63 5 54 0 1998.4 -29.48 58.17
 100.00 22 35 26 3919.57 -.57 151.69 215.53 60.11 23 40 46 3319.6 -4.54 145.16
 110.00 6 47 53 2294.27 -33.87 43.63 223.14 94.90 7 26 7 1694.3 -32.82 34.55
 110.00 23 14 44 3796.42 2.81 140.25 213.42 55.92 24 18 0 3196.4 -1.68 134.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4469 TRA 1.8466 TC3-4.5190 BAU 1.1350 SGT 5710.9 SGR 409.1 SG3 212.7 ST 3331.6 SR 310.5 SS 908.7
 RDE .2299 RRA -.1472 RC3 .2052 FAU .02820 RRT -.1092 RRF -.1257 RTF .9482 CRT .9035 CRS -.8518 CST -.9939
 FDE 1.0558 FRA 1.1926 FC3-1.3011 BSP 18412 SGB 5725.5 R23 .0217 R13 -.9482 LSA 3463.3 MSA 165.0 SSA 17.5
 BDE 2.4577 BRA 1.8524 BC3 4.5237 FSP -729 SG1 5711.1 SG2 406.7 THA 179.55 EL1 3343.5 EL2 132.6 ALF 4.82

LAUNCH DATE NOV 29 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 545.226

RL 147.56 LAL .00 LOL 66.57 VL 26.666 GAL 3.98 AZL 86.69 HCA 266.89 SMA 122.01 ECC .22013 INC 3.3134 V1 30.194
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.741 GAP 11.14 AZP 90.18 TAL 165.61 TAP 72.50 RCA 95.15 APO 148.86 V2 34.803
 RC 170.040 GL 20.02 GP 2.86 ZAL 61.53 ZAP 169.77 ETS 15.90 ZAE 128.39 ETE 177.72 ZAC 77.57 ETC 165.88 CLP-170.18

PLANETOCENTRIC CONIC

C3 20.167 VML 4.491 DLA 21.10 RAL 358.14 RAD 6567.8 VEL 11.897 PTH 2.11 VHP 7.305 DPA -7.05 RAP 344.81 ECC 1.3319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 27 2941.69 -28.23 92.18 227.41 87.62 4 29 29 2341.7 -28.26 83.52
 90.00 21 43 27 4135.07 -2.06 168.36 220.06 61.75 22 52 22 3535.1 -5.82 161.70
 100.00 5 16 3 2633.44 -29.88 69.56 227.46 89.26 5 59 56 2033.4 -29.67 60.76
 100.00 22 50 32 3918.55 -.61 151.64 219.26 60.11 23 55 50 3318.5 -4.58 145.10
 110.00 6 54 23 2325.78 -34.03 46.07 227.35 93.46 7 33 9 1725.8 -33.18 36.94
 110.00 23 28 41 3798.97 2.91 140.38 217.06 55.93 24 32 0 3199.0 -1.58 134.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5433 TRA 2.0769 TC3-4.2303 BAU 1.1416 SGT 5747.4 SGR 410.1 SG3 204.2 ST 3356.8 SR 323.1 SS 896.0
 RDE .2487 RRA -.1482 RC3 .1811 FAU .02606 RRT -.0696 RRF -.0850 RTF .9489 CRT .9010 CRS -.8509 CST -.9943
 FDE 1.0401 FRA 1.2272 FC3-1.1186 BSP 18576 SGB 5762.0 R23 .0187 R13 -.9489 LSA 3485.2 MSA 168.1 SSA 17.0
 BDE 2.5554 BRA 2.0822 BC3 4.2342 FSP -702 SG1 5747.5 SG2 409.1 THA 179.71 EL1 3369.4 EL2 139.6 ALF 4.97

LAUNCH DATE NOV 29 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 7 1966

MELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.627 GAL 4.53 AZL 86.65 HCA 270.05 SMA 121.78 ECC .22529 INC 3.3453 V1 30.194
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.719 GAP 11.53 AZP 90.00 TAL 164.03 TAP 74.08 RCA 94.34 APO 149.21 V2 34.808
 RC 172.148 GL 19.39 GP 2.76 ZAL 59.15 ZAP 170.67 ETS 17.02 ZAE 128.33 ETE 177.80 ZAC 79.78 ETC 165.99 CLP-171.09

PLANETOCENTRIC CONIC
 C3 21.764 VHL 4.665 DLA 21.50 RAL .66 RAD 6567.9 VEL 11.964 PTH 2.13 VHP 7.543 DPA -6.28 RAP 346.95 ECC 1.3582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 45 34 2977.90 -28.09 94.82 231.48 86.31 4 35 12 2377.9 -28.31 86.16
 90.00 21 58 25 4135.44 -2.04 168.38 223.84 61.75 23 7 21 3535.4 -5.81 161.72
 100.00 5 21 45 2667.75 -29.83 72.11 231.58 87.91 6 6 13 2067.7 -29.80 63.30
 100.00 23 4 55 3920.82 -.53 151.76 223.00 60.11 24 10 16 3320.8 -4.50 145.23
 110.00 7 1 8 2356.82 -34.13 48.49 231.59 92.03 7 40 25 1756.8 -33.47 39.31
 110.00 23 42 1 3804.52 3.12 140.67 220.72 55.94 24 45 26 3204.5 -1.37 134.46

DIFFERENTIAL CORRECTIONS
 TDE 2.6431 TRA 2.3243 TC3-3.9314 BAU 1.1448 SGT 5779.8 SGR 410.6 SG3 196.2 ST 3375.8 SR 334.9 SS 884.2
 RDE .2684 RRA -.1479 RC3 .1581 FAU .02391 RRT -.0295 RRF -.0438 RTF .9496 CRT .8985 CRS -.8502 CST -.9948
 FDE 1.0266 FRA 1.2633 FC3 -.9513 BSP 18653 SGB 5794.4 R23 .0156 R13 -.9496 LSA 3501.5 MSA 171.3 SSA 16.5
 BDE 2.6567 BRA 2.3290 BC3 3.9346 FSP -672 SG1 5779.8 SG2 410.4 THA 179.88 EL1 3389.3 EL2 146.4 ALF 5.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 9 1966

MELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.590 GAL 5.10 AZL 86.62 HCA 273.22 SMA 121.55 ECC .23090 INC 3.3773 V1 30.194
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.697 GAP 11.95 AZP 89.81 TAL 162.45 TAP 75.67 RCA 93.49 APO 149.62 V2 34.814
 RC 174.239 GL 18.74 GP 2.67 ZAL 56.84 ZAP 171.55 ETS 18.39 ZAE 128.28 ETE 177.89 ZAC 82.00 ETC 166.09 CLP-171.98

PLANETOCENTRIC CONIC
 C3 23.587 VHL 4.857 DLA 21.84 RAL 3.12 RAD 6568.0 VEL 12.040 PTH 2.15 VHP 7.796 DPA -5.48 RAP 349.08 ECC 1.3882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 51 3 3013.09 -27.91 97.38 235.57 85.03 4 41 16 2413.1 -28.31 88.74
 90.00 22 12 35 4139.34 -1.92 168.60 227.62 61.74 23 21 34 3539.3 -5.68 161.94
 100.00 5 27 47 2701.22 -29.72 74.59 235.72 86.61 6 12 48 2101.2 -29.87 65.79
 100.00 23 18 32 3926.45 -.34 152.07 226.74 60.11 24 23 59 3326.4 -4.31 145.54
 110.00 7 8 6 2387.37 -34.18 50.88 235.84 90.62 7 47 53 1787.4 -33.71 41.67
 110.00 23 54 43 3813.06 3.45 141.12 224.38 55.97 24 58 16 3213.1 -1.04 134.91

DIFFERENTIAL CORRECTIONS
 TDE 2.7404 TRA 2.5829 TC3-3.6385 BAU 1.1482 SGT 5806.9 SGR 410.5 SG3 188.5 ST 3381.3 SR 345.7 SS 870.9
 RDE .2892 RRA -.1462 RC3 .1366 FAU .02195 RRT .0100 RRF -.0034 RTF .9505 CRT .8962 CRS -.8496 CST -.9952
 FDE 1.0122 FRA 1.2980 FC3 -.8057 BSP 18801 SGB 5821.4 R23 -.0129 R13 .9505 LSA 3504.4 MSA 174.5 SSA 16.0
 BDE 2.7556 BRA 2.5870 BC3 3.6411 FSP -648 SG1 5806.9 SG2 410.5 THA .04 EL1 3395.5 EL2 152.7 ALF 5.25

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 11 1966

MELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.552 GAL 5.71 AZL 86.59 HCA 276.39 SMA 121.33 ECC .23700 INC 3.4095 V1 30.194
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.676 GAP 12.39 AZP 89.62 TAL 160.88 TAP 77.26 RCA 92.58 APO 150.09 V2 34.821
 RC 176.312 GL 18.07 GP 2.59 ZAL 54.61 ZAP 172.42 ETS 20.07 ZAE 128.23 ETE 177.97 ZAC 84.23 ETC 166.17 CLP-172.88

PLANETOCENTRIC CONIC
 C3 25.669 VHL 5.066 DLA 22.13 RAL 5.52 RAD 6568.0 VEL 12.126 PTH 2.17 VHP 8.066 DPA -4.66 RAP 351.21 ECC 1.4224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 55 3047.23 -27.69 99.85 239.65 83.81 4 47 43 2447.2 -28.26 91.23
 90.00 22 25 52 4146.78 -1.68 169.01 231.40 61.73 23 34 59 3546.8 -5.45 162.36
 100.00 5 34 7 2733.82 -29.56 77.00 239.85 85.35 6 19 41 2133.8 -29.89 68.21
 100.00 23 31 21 3935.42 -.03 152.56 230.49 60.11 24 36 57 3335.4 -4.01 146.03
 110.00 7 15 15 2417.44 -34.18 53.23 240.11 89.23 7 55 32 1817.4 -33.90 43.99
 110.00 0 10 39 3824.57 3.89 141.72 228.04 56.01 1 14 23 3224.6 -.60 135.51

DIFFERENTIAL CORRECTIONS
 TDE 2.8387 TRA 2.8573 TC3-3.3476 BAU 1.1495 SGT 5829.2 SGR 409.9 SG3 181.1 ST 3378.1 SR 355.4 SS 857.5
 RDE .3108 RRA -.1430 RC3 .1166 FAU .02008 RRT .0496 RRF .0369 RTF .9517 CRT .8939 CRS -.8491 CST -.9956
 FDE .9986 FRA 1.3330 FC3 -.6771 BSP 18941 SGB 5843.6 R23 -.0105 R13 .9517 LSA 3498.8 MSA 177.6 SSA 15.5
 BDE 2.8557 BRA 2.8608 BC3 3.3496 FSP -624 SG1 5829.2 SG2 409.4 THA .20 EL1 3393.0 EL2 158.6 ALF 5.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 13 1966

MELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.515 GAL 6.36 AZL 86.56 HCA 279.56 SMA 121.11 ECC .24364 INC 3.4421 V1 30.194
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.656 GAP 12.86 AZP 89.43 TAL 159.32 TAP 78.87 RCA 91.60 APO 150.62 V2 34.828
 RC 178.366 GL 17.38 GP 2.51 ZAL 52.44 ZAP 173.28 ETS 22.20 ZAE 128.18 ETE 178.05 ZAC 86.46 ETC 166.25 CLP-173.76

PLANETOCENTRIC CONIC
 C3 28.048 VHL 5.296 DLA 22.36 RAL 7.86 RAD 6568.1 VEL 12.224 PTH 2.20 VHP 8.353 DPA -3.82 RAP 353.34 ECC 1.4616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 9 3080.25 -27.42 102.23 243.73 82.65 4 54 30 2480.2 -28.16 93.64
 90.00 22 38 15 4157.78 -1.32 169.63 235.16 61.71 23 47 33 3557.8 -5.10 162.98
 100.00 5 40 46 2765.54 -29.36 79.34 243.99 84.14 6 26 51 2165.5 -29.87 70.57
 100.00 23 43 20 3947.72 .38 153.24 234.21 60.11 24 49 8 3347.7 -3.60 146.71
 110.00 7 22 34 2447.03 -34.12 55.54 244.38 87.86 8 3 21 1847.0 -34.04 46.29
 110.00 0 21 57 3839.00 4.43 142.48 231.69 56.07 1 25 56 3239.0 -.05 136.26

DIFFERENTIAL CORRECTIONS
 TDE 2.9389 TRA 3.1490 TC3-3.0606 BAU 1.1482 SGT 5847.1 SGR 408.8 SG3 174.1 ST 3367.5 SR 364.0 SS 844.7
 RDE .3334 RRA -.1383 RC3 .0983 FAU .01826 RRT .0893 RRF .0773 RTF .9530 CRT .8917 CRS -.8487 CST -.9960
 FDE .9863 FRA 1.3692 FC3 -.5637 BSP 19054 SGB 5861.4 R23 -.0083 R13 .9530 LSA 3486.1 MSA 180.6 SSA 15.0
 BDE 2.9578 BRA 3.1520 BC3 3.0622 FSP -601 SG1 5847.2 SG2 407.2 THA .36 EL1 3383.1 EL2 164.0 ALF 5.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 572.424

RL 147.56 LAL .00 LOL 66.57 VL 26.478 GAL 7.05 AZL 86.52 HCA 282.72 SMA 120.90 ECC .25089 INC 3.4753 V1 30.194
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.637 GAP 13.37 AZP 89.23 TAL 157.77 TAP 80.50 RCA 90.57 APO 151.23 V2 34.836
 RC 180.400 GL 16.69 GP 2.44 ZAL 50.35 ZAP 174.12 ETS 24.95 ZAE 128.13 ETE 178.12 ZAC 88.69 ETC 166.30 CLP-174.65

PLANETOCENTRIC CONIC

C3 30.772 VHL 5.547 OLA 22.54 RAL 10.11 RAD 6568.2 VEL 12.335 PTH 2.22 VHP 8.662 DPA -2.97 RAP 355.46 ECC 1.5064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 44 3112.13 -27.12 104.52 247.80 81.54 5 1 37 2512.1 -28.02 95.97
 90.00 22 49 42 4172.29 -.86 170.44 238.90 61.69 23 59 14 3572.3 -4.63 163.79
 100.00 5 47 40 2796.37 -29.13 81.60 248.11 82.97 6 34 17 2196.4 -29.80 72.86
 100.00 23 54 27 3963.29 .91 154.09 237.92 60.12 25 0 30 3363.3 -3.07 147.57
 110.00 7 30 1 2476.15 -34.03 57.81 248.64 86.52 8 11 18 1876.2 -34.13 48.56
 110.00 0 32 31 3856.27 5.09 143.38 235.32 56.15 1 36 47 3256.3 .61 137.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.0446 TRA 3.4624 TC3-2.7756 BAU 1.1424 SGT 5862.1 SGR 407.2 SG3 167.5 ST 3353.6 SR 371.3 SS 833.7
 RDE .3569 RRA -.1317 RC3 .0818 FAU .01644 RRT .1297 RRF .1183 RTF .9544 CRT .8896 CRS -.8485 CST -.9964
 FDE .9767 FRA 1.4079 FC3 -.4626 BSP 19073 SGB 5876.2 R23 -.0061 R13 .9544 LSA 3470.7 MSA 183.2 SSA 14.5
 BOE 3.0654 BRA 3.4649 BC3 2.7768 FSP -.575 SG1 5862.3 SG2 403.7 THA .52 EL1 3369.9 EL2 168.8 ALF 5.64

LAUNCH DATE NOV 29 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 577.664

RL 147.56 LAL .00 LOL 66.57 VL 26.441 GAL 7.78 AZL 86.49 HCA 285.90 SMA 120.69 ECC .25881 INC 3.5093 V1 30.194
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.619 GAP 13.91 AZP 89.04 TAL 156.25 TAP 82.15 RCA 89.45 APO 151.92 V2 34.845
 RC 182.414 GL 15.99 GP 2.38 ZAL 48.35 ZAP 174.95 ETS 28.63 ZAE 128.08 ETE 178.20 ZAC 90.91 ETC 166.34 CLP-175.54

PLANETOCENTRIC CONIC

C3 33.896 VHL 5.822 OLA 22.67 RAL 12.30 RAD 6568.3 VEL 12.461 PTH 2.25 VHP 8.994 DPA -2.10 RAP 357.57 ECC 1.5579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 39 3142.85 -26.80 106.71 251.85 80.49 5 9 2 2542.9 -27.84 98.20
 90.00 23 0 11 4190.26 -.28 171.44 242.61 61.68 24 10 1 3590.3 -4.06 164.80
 100.00 5 54 50 2826.30 -28.86 83.78 252.21 81.85 6 41 56 2226.3 -29.69 75.08
 100.00 0 8 37 3982.04 1.55 155.12 241.60 60.14 1 14 59 3382.0 -2.44 148.60
 110.00 7 37 35 2504.82 -33.89 60.03 252.88 85.21 8 19 20 1904.8 -34.18 50.80
 110.00 0 42 21 3876.29 5.85 144.44 238.92 56.26 1 46 58 3276.3 1.38 138.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.1487 TRA 3.7914 TC3-2.5056 BAU 1.1358 SGT 5870.7 SGR 485.1 SG3 161.1 ST 3328.8 SR 377.2 SS 822.0
 RDE .3812 RRA -.1232 RC3 .0670 FAU .01479 RRT .1696 RRF .1586 RTF .9562 CRT .8875 CRS -.8484 CST -.9967
 FDE .9665 FRA 1.4463 FC3 -.3776 BSP 19178 SGB 5884.6 R23 -.0044 R13 .9562 LSA 3444.5 MSA 185.5 SSA 14.0
 BOE 3.1717 BRA 3.7934 BC3 2.5065 FSP -.555 SG1 5871.1 SG2 399.2 THA .67 EL1 3345.7 EL2 172.9 ALF 5.76

LAUNCH DATE NOV 29 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 582.813

RL 147.56 LAL .00 LOL 66.57 VL 26.405 GAL 8.56 AZL 86.46 HCA 289.07 SMA 120.48 ECC .26749 INC 3.5446 V1 30.194
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.601 GAP 14.49 AZP 88.84 TAL 154.76 TAP 83.82 RCA 88.25 APO 152.70 V2 34.854
 RC 184.407 GL 15.29 GP 2.32 ZAL 46.42 ZAP 175.75 ETS 33.76 ZAE 128.01 ETE 178.27 ZAC 93.13 ETC 166.36 CLP-176.43

PLANETOCENTRIC CONIC

C3 37.489 VHL 6.123 OLA 22.75 RAL 14.39 RAD 6568.5 VEL 12.604 PTH 2.29 VHP 9.353 DPA -1.22 RAP 359.67 ECC 1.6170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 52 3172.42 -26.45 108.80 255.88 79.50 5 16 44 2572.4 -27.63 100.34
 90.00 23 9 42 4211.58 .41 172.63 246.28 61.69 24 19 54 3611.6 -3.38 165.99
 100.00 6 2 12 2855.35 -28.56 85.89 256.29 80.78 6 49 47 2255.4 -29.54 77.22
 100.00 0 17 59 4003.88 2.29 156.32 245.23 60.19 1 24 43 3403.9 -1.70 149.80
 110.00 7 45 13 2533.05 -33.70 62.22 257.10 83.93 8 27 26 1933.1 -34.18 53.01
 110.00 0 51 27 3898.95 6.70 145.63 242.50 56.40 1 56 26 3298.9 2.24 139.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.2562 TRA 4.1420 TC3-2.2455 BAU 1.1257 SGT 5874.6 SGR 402.4 SG3 155.0 ST 3298.7 SR 381.7 SS 811.5
 RDE .4062 RRA -.1126 RC3 .0540 FAU .01318 RRT .2098 RRF .1991 RTF .9581 CRT .8855 CRS -.8483 CST -.9971
 FDE .9580 FRA 1.4866 FC3 -.3044 BSP 19271 SGB 5888.4 R23 -.0030 R13 .9581 LSA 3413.3 MSA 187.3 SSA 13.5
 BOE 3.2814 BRA 4.1435 BC3 2.2461 FSP -.535 SG1 5875.2 SG2 393.4 THA .83 EL1 3316.0 EL2 176.4 ALF 5.87

LAUNCH DATE NOV 29 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 587.854

RL 147.56 LAL .00 LOL 66.57 VL 26.370 GAL 9.39 AZL 86.42 HCA 292.24 SMA 120.27 ECC .27702 INC 3.5811 V1 30.194
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.585 GAP 15.13 AZP 88.64 TAL 153.29 TAP 85.53 RCA 86.96 APO 153.59 V2 34.863
 RC 186.379 GL 14.59 GP 2.27 ZAL 44.58 ZAP 176.50 ETS 41.26 ZAE 127.94 ETE 178.34 ZAC 95.34 ETC 166.36 CLP-177.34

PLANETOCENTRIC CONIC

C3 41.631 VHL 6.452 OLA 22.79 RAL 16.40 RAD 6568.6 VEL 12.767 PTH 2.32 VHP 9.742 DPA -.34 RAP 1.76 ECC 1.6851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 31 20 3200.83 -26.08 110.80 259.87 78.56 5 24 41 2600.8 -27.40 102.38
 90.00 23 18 16 4236.12 1.20 173.99 249.89 61.71 24 28 52 3636.1 -2.59 167.37
 100.00 6 9 45 2883.52 -28.24 87.92 260.33 79.76 6 57 48 2283.5 -29.36 79.30
 100.00 0 26 29 4028.66 3.12 157.68 248.83 60.26 1 33 37 3428.7 -.86 151.16
 110.00 7 52 53 2560.83 -33.48 64.36 261.28 82.69 8 35 34 1960.8 -34.13 55.17
 110.00 0 59 49 3924.12 7.65 146.97 246.03 56.58 2 5 14 3324.1 3.20 140.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.3685 TRA 4.5167 TC3-1.9959 BAU 1.1111 SGT 5874.4 SGR 399.4 SG3 149.2 ST 3264.5 SR 384.8 SS 802.6
 RDE .4321 RRA -.0998 RC3 .0428 FAU .01161 RRT .2503 RRF .2398 RTF .9602 CRT .8836 CRS -.8488 CST -.9974
 FDE .9514 FRA 1.5294 FC3 -.2415 BSP 19336 SGB 5887.9 R23 -.0017 R13 .9602 LSA 3378.3 MSA 188.6 SSA 13.0
 BOE 3.3961 BRA 4.5178 BC3 1.9964 FSP -.515 SG1 5875.2 SG2 386.6 THA .98 EL1 3282.2 EL2 179.2 ALF 5.96

LAUNCH DATE NOV 29 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 592.766

RL 147.56 LAL .00 LOL 66.57 VL 26.335 GAL 10.29 AZL 86.38 HCA 295.42 SMA 120.07 ECC .28750 INC 3.6194 V1 30.194
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.569 GAP 15.82 AZP 88.44 TAL 151.86 TAP 87.28 RCA 85.55 APO 154.59 V2 34.873
 RC 188.330 GL 13.89 GP 2.22 ZAL 42.83 ZAP 177.18 ETS 52.78 ZAE 127.85 ETE 178.41 ZAC 97.54 ETC 166.35 CLP-178.25

PLANETOCENTRIC CONIC

C3 46.425 VHL 6.814 DLA 22.79 RAL 18.32 RAD 6568.7 VEL 12.953 PTH 2.36 VHP 10.165 DPA .55 RAP 3.84 ECC 1.7640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 3 3228.09 -25.70 112.71 263.82 77.68 5 32 51 2628.1 -27.14 104.34
 90.00 23 25 53 4263.71 2.09 175.53 253.46 61.75 24 36 57 3663.7 -1.70 168.91
 100.00 6 17 27 2910.80 -27.89 89.87 264.33 78.78 7 5 58 2310.8 -29.15 81.30
 100.00 0 34 6 4056.24 4.05 159.20 252.37 60.36 1 41 42 3456.2 .08 152.67
 110.00 8 0 35 2588.14 -33.23 66.45 265.41 81.47 8 43 43 1988.1 -34.05 57.30
 110.00 1 7 27 3951.66 8.68 148.44 249.53 56.81 2 13 19 3351.7 4.25 142.15

DIFFERENTIAL CORRECTIONS

TOE 3.4902 TRA 4.9214 TC3-1.7555 BAU 1.0898
 RDE .4587 RRA -.0845 RC3 .0332 FAU .01002
 FDE .9482 FRA 1.5766 FC3 -.1869 BSP 19299
 BDE 3.5202 BRA 4.9222 BC3 1.7558 FSP -494

MID-COURSE EXECUTION ACCURACY

SGT 5872.5 SGR 395.9 SG3 143.8
 RRT .2915 RRF .2811 RTF .9625
 SGB 5885.9 R23 -.0006 R13 .9625
 SG1 5873.7 SG2 378.7 TMA 1.13

ORBIT DETERMINATION ACCURACY

ST 3229.9 SR 386.4 SS 796.2
 CRT .8820 CRS -.8494 CST -.9977
 LSA 3343.6 MSA 189.2 SSA 12.6
 EL1 3247.9 EL2 181.1 ALF 6.04

LAUNCH DATE NOV 29 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 597.525

RL 147.56 LAL .00 LOL 66.57 VL 26.301 GAL 11.26 AZL 86.34 HCA 298.60 SMA 119.88 ECC .29907 INC 3.6598 V1 30.194
 RP 108.63 LAP -3.21 LOP 5.21 VP 36.555 GAP 16.57 AZP 88.25 TAL 150.49 TAP 89.08 RCA 84.03 APO 155.73 V2 34.884
 RC 190.259 GL 13.20 GP 2.17 ZAL 41.16 ZAP 177.68 ETS 70.65 ZAE 127.74 ETE 178.47 ZAC 99.72 ETC 166.31 CLP-179.19

PLANETOCENTRIC CONIC

C3 51.995 VHL 7.211 DLA 22.75 RAL 20.15 RAD 6568.9 VEL 13.166 PTH 2.40 VHP 10.628 DPA 1.44 RAP 5.90 ECC 1.8557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 57 3254.18 -25.31 114.52 267.72 76.85 5 41 11 2654.2 -26.87 106.20
 90.00 23 32 33 4294.19 3.08 177.24 256.96 61.84 24 44 7 3694.2 -.71 170.61
 100.00 6 25 16 2937.17 -27.53 91.75 268.28 77.86 7 14 13 2337.2 -28.92 83.23
 100.00 0 40 51 4086.44 5.07 160.87 255.86 60.50 1 48 57 3486.4 1.10 154.33
 110.00 8 8 15 2614.95 -32.94 68.49 269.48 80.30 8 51 50 2015.0 -33.93 59.39
 110.00 1 14 21 3981.42 9.78 150.03 252.98 57.08 2 20 42 3381.4 5.38 143.71

DIFFERENTIAL CORRECTIONS

TOE 3.6138 TRA 5.3503 TC3-1.5321 BAU 1.0651
 RDE .4860 RRA -.0666 RC3 .0253 FAU .00854
 FDE .9455 FRA 1.6256 FC3 -.1422 BSP 19361
 BDE 3.6463 BRA 5.3507 BC3 1.5323 FSP -476

MID-COURSE EXECUTION ACCURACY

SGT 5863.2 SGR 392.1 SG3 138.5
 RRT .3323 RRF .3220 RTF .9650
 SGB 5876.3 R23 .0000 R13 .9650
 SG1 5864.6 SG2 369.7 TMA 1.28

ORBIT DETERMINATION ACCURACY

ST 3187.8 SR 386.5 SS 790.5
 CRT .8805 CRS -.8501 CST -.9980
 LSA 3301.6 MSA 189.2 SSA 12.1
 EL1 3206.0 EL2 182.2 ALF 6.11

LAUNCH DATE NOV 29 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 602.100

RL 147.56 LAL .00 LOL 66.57 VL 26.267 GAL 12.32 AZL 86.30 HCA 301.78 SMA 119.69 ECC .31187 INC 3.7028 V1 30.194
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.541 GAP 17.40 AZP 88.05 TAL 149.16 TAP 90.94 RCA 82.36 APO 157.01 V2 34.895
 RC 192.167 GL 12.51 GP 2.13 ZAL 39.59 ZAP 177.86 ETS 95.17 ZAE 127.61 ETE 178.54 ZAC 101.88 ETC 166.24 CLP 179.85

PLANETOCENTRIC CONIC

C3 58.497 VHL 7.648 DLA 22.66 RAL 21.88 RAD 6569.1 VEL 13.411 PTH 2.45 VHP 11.136 DPA 2.32 RAP 7.94 ECC 1.9627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 0 3279.09 -24.91 116.23 271.56 76.08 5 49 39 2679.1 -26.58 107.96
 90.00 23 38 17 4327.36 4.14 179.09 260.39 61.96 24 50 24 3727.4 .36 172.46
 100.00 6 33 9 2962.59 -27.15 93.55 272.16 76.99 7 22 32 2362.6 -28.67 85.07
 100.00 0 46 44 4119.09 6.16 162.68 259.28 60.69 1 55 23 3519.1 2.21 156.12
 110.00 8 15 53 2641.20 -32.62 70.47 273.49 79.17 8 59 54 2041.2 -33.77 61.42
 110.00 1 20 30 4013.25 10.96 151.75 256.37 57.42 2 27 23 3413.2 6.58 145.39

DIFFERENTIAL CORRECTIONS

TOE 3.7467 TRA 5.8146 TC3-1.3215 BAU 1.0336
 RDE .5140 RRA -.0456 RC3 .0188 FAU .00706
 FDE .9453 FRA 1.6789 FC3 -.1045 BSP 19392
 BDE 3.7818 BRA 5.8147 BC3 1.3216 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 5852.0 SGR 387.9 SG3 133.4
 RRT .3735 RRF .3632 RTF .9676
 SGB 5864.8 R23 .0005 R13 .9676
 SG1 5853.8 SG2 359.7 TMA 1.42

ORBIT DETERMINATION ACCURACY

ST 3144.4 SR 385.2 SS 786.8
 CRT .8792 CRS -.8512 CST -.9983
 LSA 3258.6 MSA 188.5 SSA 11.6
 EL1 3162.6 EL2 182.5 ALF 6.17

LAUNCH DATE NOV 29 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 606.451

RL 147.56 LAL .00 LOL 66.57 VL 26.234 GAL 13.46 AZL 86.25 HCA 304.96 SMA 119.50 ECC .32608 INC 3.7488 V1 30.194
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.528 GAP 18.32 AZP 87.85 TAL 147.91 TAP 92.87 RCA 80.53 APO 158.47 V2 34.906
 RC 194.054 GL 11.84 GP 2.09 ZAL 38.11 ZAP 177.62 ETS 119.82 ZAE 127.44 ETE 178.61 ZAC 104.01 ETC 166.16 CLP 178.87

PLANETOCENTRIC CONIC

C3 66.127 VHL 8.132 DLA 22.54 RAL 23.50 RAD 6569.3 VEL 13.692 PTH 2.50 VHP 11.698 DPA 3.19 RAP 9.95 ECC 2.0883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 9 3302.75 -24.51 117.85 275.32 75.36 5 58 12 2702.8 -26.29 109.63
 90.00 23 43 5 4363.02 5.28 181.10 263.74 62.14 24 55 48 3763.0 1.51 174.45
 100.00 6 41 5 2987.00 -26.76 95.26 275.96 76.17 7 30 52 2387.0 -28.40 86.84
 100.00 0 51 46 4154.00 7.32 164.62 262.63 60.94 2 1 0 3554.0 3.39 158.04
 110.00 8 23 26 2666.79 -32.28 72.39 277.40 78.08 9 7 53 2066.8 -33.58 63.40
 110.00 1 25 54 4046.98 12.19 153.59 259.71 57.81 2 33 21 3447.0 7.85 147.18

DIFFERENTIAL CORRECTIONS

TOE 3.8886 TRA 6.3105 TC3-1.1240 BAU .9937
 RDE .5427 RRA -.0217 RC3 .0137 FAU .00557
 FDE .9480 FRA 1.7375 FC3 -.0729 BSP 19421
 BDE 3.9263 BRA 6.3106 BC3 1.1241 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 5832.9 SGR 383.4 SG3 128.6
 RRT .4145 RRF .4043 RTF .9704
 SGB 5845.5 R23 .0006 R13 .9704
 SG1 5835.1 SG2 348.7 TMA 1.57

ORBIT DETERMINATION ACCURACY

ST 3097.7 SR 382.4 SS 785.7
 CRT .8783 CRS -.8525 CST -.9986
 LSA 3213.1 MSA 187.0 SSA 11.1
 EL1 3115.9 EL2 181.7 ALF 6.21

LAUNCH DATE NOV 29 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.202 GAL 14.71 AZL 86.20 HCA 308.14 SMA 119.32 ECC .34191 INC 3.7986 V1 30.194
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.516 GAP 19.34 AZP 87.65 TAL 146.74 TAP 94.88 RCA 78.52 APO 160.12 V2 34.918
 RC 195.918 GL 11.17 GP 2.06 ZAL 36.74 ZAP 177.02 ETS 137.87 ZAE 127.24 ETE 178.67 ZAC 106.10 ETC 166.05 CLP 177.84

PLANETOCENTRIC CONIC
 C3 75.133 VHL 8.668 OLA 22.38 RAL 25.02 RAD 6569.5 VEL 14.017 PTH 2.56 VHP 12.320 OPA 4.05 RAP 11.94 ECC 2.2365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 23 3325.09 -24.12 119.37 279.00 74.70 6 6 48 2725.1 -25.99 111.20
 90.00 23 46 57 4400.96 6.48 183.24 267.01 62.37 25 0 18 3801.0 2.73 176.56
 100.00 6 49 1 3010.28 -26.38 96.88 279.66 75.40 7 39 11 2410.3 -28.12 88.51
 100.00 0 55 56 4190.99 8.54 166.69 265.90 61.24 2 5 47 3591.0 4.63 160.08
 110.00 8 30 53 2691.60 -31.91 74.23 281.22 77.05 9 15 45 2091.6 -33.37 65.30
 110.00 1 30 33 4082.44 13.46 155.54 262.97 58.28 2 38 36 3482.4 9.17 149.07

DIFFERENTIAL CORRECTIONS
 TDE 4.0478 TRA 6.8546 TC3 -.9374 BAU .9417 SGT 5814.6 SGR 378.7 SG3 124.2 ST 3053.2 SR 378.3 SS 788.1
 RDE .5723 RRA .0058 RC3 .0100 FAU .00399 RRT .4561 RRF .4460 RTF .9732 CRT .8779 CRS -.8544 CST -.9988
 FDE .9551 FRA 1.8034 FC3 -.0460 BSP 19323 SGB 5826.9 R23 .0007 R13 .9732 LSA 3170.5 MSA 184.6 SSA 10.6
 BDE 4.0880 BRA 6.8546 BC3 .9375 FSP -424 SG1 5817.2 SG2 336.9 THA 1.71 EL1 3071.3 EL2 180.1 ALF 6.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.171 GAL 16.09 AZL 86.15 HCA 311.33 SMA 119.14 ECC .35962 INC 3.8530 V1 30.194
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.506 GAP 20.47 AZP 87.45 TAL 145.67 TAP 97.00 RCA 76.30 APO 161.99 V2 34.930
 RC 197.761 GL 10.51 GP 2.02 ZAL 35.47 ZAP 176.19 ETS 149.53 ZAE 126.99 ETE 178.74 ZAC 108.14 ETC 165.92 CLP 176.77

PLANETOCENTRIC CONIC
 C3 85.834 VHL 9.265 OLA 22.18 RAL 26.42 RAD 6569.7 VEL 14.394 PTH 2.62 VHP 13.014 OPA 4.90 RAP 13.89 ECC 2.4126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 39 3345.95 -23.74 120.78 282.57 74.09 6 15 25 2746.0 -25.69 112.66
 90.00 23 49 52 4440.97 7.74 185.51 270.18 62.68 25 3 53 3841.0 4.01 178.80
 100.00 6 56 56 3032.28 -25.99 98.40 283.26 74.69 7 47 28 2432.3 -27.84 90.09
 100.00 0 59 12 4229.87 9.80 168.89 269.07 61.62 2 9 42 3629.9 5.94 162.23
 110.00 8 38 12 2715.46 -31.54 75.99 284.91 76.07 9 23 27 2115.5 -33.13 67.12
 110.00 1 34 25 4119.46 14.78 157.61 266.16 58.82 2 43 5 3519.5 10.54 151.07

DIFFERENTIAL CORRECTIONS
 TDE 4.2163 TRA 7.4397 TC3 -.7672 BAU .8804 SGT 5788.4 SGR 373.7 SG3 119.9 ST 3003.8 SR 372.7 SS 792.5
 RDE .6026 RRA .0371 RC3 .0074 FAU .00243 RRT .4970 RRF .4871 RTF .9762 CRT .8778 CRS -.8566 CST -.9990
 FDE .9644 FRA 1.8750 FC3 -.0245 BSP 19343 SGB 5800.5 R23 .0005 R13 .9762 LSA 3123.5 MSA 181.4 SSA 10.1
 BDE 4.2591 BRA 7.4398 BC3 .7672 FSP -410 SG1 5791.4 SG2 324.1 THA 1.84 EL1 3021.6 EL2 177.3 ALF 6.24

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.141 GAL 17.62 AZL 86.09 HCA 314.52 SMA 118.98 ECC .37949 INC 3.9130 V1 30.194
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.496 GAP 21.75 AZP 87.25 TAL 144.72 TAP 99.24 RCA 73.83 APO 164.13 V2 34.942
 RC 199.580 GL 9.86 GP 1.99 ZAL 34.32 ZAP 175.21 ETS 157.15 ZAE 126.68 ETE 178.81 ZAC 110.14 ETC 165.77 CLP 175.65

PLANETOCENTRIC CONIC
 C3 98.645 VHL 9.932 OLA 21.94 RAL 27.70 RAD 6569.9 VEL 14.832 PTH 2.68 VHP 13.793 OPA 5.72 RAP 15.79 ECC 2.6234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 54 3365.17 -23.37 122.07 286.01 73.54 6 23 59 2765.2 -25.41 113.99
 90.00 23 51 48 4482.87 9.04 187.90 273.23 63.05 25 6 31 3882.9 5.35 181.16
 100.00 7 4 47 3052.81 -25.61 99.81 286.72 74.04 7 55 39 2452.8 -27.55 91.54
 100.00 1 1 33 4270.47 11.11 171.19 272.14 62.07 2 12 43 3670.5 7.29 164.49
 110.00 8 45 21 2738.16 -31.15 77.64 288.46 75.16 9 30 59 2138.2 -32.87 68.84
 110.00 1 37 27 4157.89 16.12 159.77 269.25 59.44 2 46 45 3557.9 11.95 153.16

DIFFERENTIAL CORRECTIONS
 TDE 4.4030 TRA 8.0787 TC3 -.6098 BAU .8042 SGT 5758.5 SGR 368.6 SG3 115.8 ST 2953.7 SR 365.9 SS 800.6
 RDE .6338 RRA .0725 RC3 .0058 FAU .00075 RRT .5377 RRF .5281 RTF .9791 CRT .8782 CRS -.8592 CST -.9992
 FDE .9779 FRA 1.9555 FC3 -.0066 BSP 19337 SGB 5770.3 R23 .0001 R13 .9791 LSA 3077.0 MSA 177.4 SSA 9.6
 BDE 4.4484 BRA 8.0790 BC3 .6098 FSP -396 SG1 5762.0 SG2 310.6 THA 1.98 EL1 2971.2 EL2 174.0 ALF 6.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 29 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.56 LAL .00 LOL 66.57 VL 26.113 GAL 19.32 AZL 86.02 HCA 317.71 SMA 118.82 ECC .40187 INC 3.9801 V1 30.194
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.488 GAP 23.19 AZP 87.05 TAL 143.92 TAP 101.63 RCA 71.07 APO 166.57 V2 34.955
 RC 201.376 GL 9.21 GP 1.97 ZAL 33.30 ZAP 174.12 ETS 162.37 ZAE 126.30 ETE 178.87 ZAC 112.06 ETC 165.60 CLP 174.45

PLANETOCENTRIC CONIC
 C3 114.107 VHL 10.682 OLA 21.65 RAL 28.84 RAD 6570.2 VEL 15.344 PTH 2.75 VHP 14.671 OPA 6.51 RAP 17.63 ECC 2.8779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 6 3382.49 -23.03 123.23 289.29 73.06 6 32 29 2782.5 -25.14 115.19
 90.00 23 52 43 4526.48 10.37 190.40 276.15 63.50 25 8 9 3926.5 6.73 183.62
 100.00 7 12 31 3071.60 -25.25 101.09 290.02 73.45 8 3 43 2471.6 -27.28 92.87
 100.00 1 2 55 4312.60 12.44 173.61 275.08 62.60 2 14 48 3712.6 8.67 166.85
 110.00 8 52 18 2759.42 -30.77 79.18 291.83 74.32 9 38 18 2159.4 -32.61 70.45
 110.00 1 39 37 4197.55 17.48 162.05 272.23 60.15 2 49 35 3597.5 13.38 155.34

DIFFERENTIAL CORRECTIONS
 TDE 4.6122 TRA 8.7791 TC3 -.4649 BAU .7093 SGT 5724.8 SGR 363.4 SG3 112.0 ST 2903.6 SR 357.9 SS 812.9
 RDE .6663 RRA .1126 RC3 .0051 FAU .00109 RRT .5781 RRF .5688 RTF .9819 CRT .8792 CRS -.8624 CST -.9993
 FDE .9966 FRA 2.0465 FC3 .0083 BSP 19305 SGB 5736.4 R23 -.0004 R13 .9819 LSA 3031.5 MSA 172.5 SSA 9.1
 BDE 4.6601 BRA 8.7798 BC3 .4649 FSP -382 SG1 5728.7 SG2 296.3 THA 2.11 EL1 2920.7 EL2 169.5 ALF 6.21

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 8 1966

HELIOCENTRIC CONIC
RL 147.53 LAL .00 LOL 67.58 VL 25.994 GAL -5.50 AZL 86.75 HCA 78.94 SMA 118.13 ECC .26567 INC 3.2530 V1 30.199
RP 107.50 LAP 3.19 LOP 146.50 VP 36.682 GAP -14.54 AZP 89.38 TAL 195.66 TAP 274.60 RCA 86.75 APO 149.51 V2 35.230
RC 44.068 GL 16.70 GP -2.03 ZAL 115.62 ZAP 2.57 ETS 50.75 ZAE 151.54 ETE 333.02 ZAC 61.17 ETC 161.29 CLP -1.58

PLANETOCENTRIC CONIC
C3 26.098 VML 5.109 DLA -1.44 RAL 308.70 RAD 6568.1 VEL 12.144 PTH 2.18 VHP 9.280 DPA -18.11 RAP 328.98 ECC 1.4295
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 32 26 2234.64 -20.05 42.76 174.01 110.42 4 9 40 1634.6 -17.09 35.33
90.00 15 9 12 4967.57 22.06 217.46 174.80 71.78 16 32 0 4367.6 19.36 209.82
100.00 4 53 6 1974.40 -21.17 23.16 173.55 111.61 5 26 1 1374.4 -18.05 15.76
100.00 16 31 13 4703.05 23.19 197.59 174.38 70.59 17 49 36 4103.0 20.33 189.96
110.00 5 59 49 1765.57 -24.16 5.91 172.15 114.95 6 29 15 1165.6 -20.59 358.59
110.00 17 40 59 4484.65 26.23 179.72 173.09 67.25 18 55 44 3884.6 22.91 172.13

DIFFERENTIAL CORRECTIONS
TDE -.2511 TRA -.4905 TC3 .3923 BAU .1487 SGT 736.8 SGR 409.3 SG3 94.9 ST 326.7 SR 360.1 SS 328.1
RDE -.3200 RRA .0876 RC3 -.1669 FAU .03006 RRT -.0708 RRF .0739 RTF -.6861 CRT .8172 CRS .9882 CST .8834
FDE .3635 FRA .0524 FC3 -.9972 BSP 2057 SGB 842.8 R23 -.0039 R13 .6866 LSA 566.4 MSA 150.9 SSA 20.3
BOE .4067 BRA .4983 BC3 .4263 FSP -231 SG1 737.6 SG2 407.8 THA 176.75 EL1 463.7 EL2 146.2 ALF 48.41

MID-COURSE EXECUTION ACCURACY
ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 10 1966

HELIOCENTRIC CONIC
RL 147.53 LAL .00 LOL 67.58 VL 26.230 GAL -5.53 AZL 86.72 HCA 82.18 SMA 119.44 ECC .25314 INC 3.2832 V1 30.199
RP 107.51 LAP 3.25 LOP 149.75 VP 36.847 GAP -13.52 AZP 89.55 TAL 196.85 TAP 279.04 RCA 89.21 APO 149.68 V2 35.247
RC 45.230 GL 17.64 GP -2.16 ZAL 117.06 ZAP 4.37 ETS 28.31 ZAE 150.08 ETE 334.28 ZAC 62.19 ETC 161.48 CLP -3.80

PLANETOCENTRIC CONIC
C3 24.355 VML 4.935 DLA -.94 RAL 306.92 RAD 6568.0 VEL 12.072 PTH 2.16 VHP 8.715 DPA -17.90 RAP 330.04 ECC 1.4008
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 21 39 2233.00 -20.01 42.65 171.19 110.46 3 58 52 1633.0 -17.05 35.23
90.00 15 5 47 4935.13 21.35 215.34 171.69 70.94 16 28 2 4335.1 18.55 207.78
100.00 4 42 33 1972.01 -21.11 23.01 170.74 111.67 5 15 25 1372.0 -17.98 15.61
100.00 16 27 34 4671.34 22.45 195.52 171.26 69.73 17 45 25 4071.3 19.49 187.97
110.00 5 49 48 1761.52 -24.04 5.66 169.37 115.06 6 19 9 1161.5 -20.46 358.34
110.00 17 36 48 4454.60 25.42 177.76 169.95 66.34 18 51 3 3854.6 22.00 170.27

DIFFERENTIAL CORRECTIONS
TDE -.2560 TRA -.4670 TC3 .4514 BAU .1586 SGT 762.2 SGR 409.8 SG3 107.1 ST 339.1 SR 357.4 SS 354.4
RDE -.3069 RRA .0793 RC3 -.1826 FAU .03268 RRT -.0779 RRF .0823 RTF -.7033 CRT .8361 CRS .9917 CST .8848
FDE .4043 FRA .0221 FC3 -1.1617 BSP 2157 SGB 865.4 R23 -.0055 R13 .7039 LSA 588.0 MSA 148.8 SSA 21.2
BOE .3997 BRA .4737 BC3 .4870 FSP -266 SG1 763.1 SG2 408.1 THA 176.64 EL1 472.1 EL2 140.8 ALF 46.81

MID-COURSE EXECUTION ACCURACY
ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 12 1966

HELIOCENTRIC CONIC
RL 147.53 LAL .00 LOL 67.58 VL 26.444 GAL -5.57 AZL 86.69 HCA 85.43 SMA 120.67 ECC .24190 INC 3.3130 V1 30.199
RP 107.53 LAP 3.30 LOP 153.00 VP 36.995 GAP -12.55 AZP 89.74 TAL 198.09 TAP 283.51 RCA 91.48 APO 149.86 V2 35.242
RC 46.516 GL 18.53 GP -2.30 ZAL 118.48 ZAP 6.51 ETS 19.47 ZAE 148.84 ETE 335.31 ZAC 63.14 ETC 161.65 CLP -6.09

PLANETOCENTRIC CONIC
C3 22.910 VML 4.786 DLA -.47 RAL 305.15 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 8.180 DPA -17.73 RAP 331.04 ECC 1.3770
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 11 5 2232.56 -20.00 42.62 168.51 110.47 3 48 18 1632.6 -17.04 35.20
90.00 15 2 10 4905.66 20.68 213.44 168.75 70.22 16 23 56 4305.7 17.80 205.95
100.00 4 32 13 1970.88 -21.08 22.94 168.07 111.70 5 5 4 1370.9 -17.95 15.54
100.00 16 23 44 4642.58 21.76 193.66 168.32 68.99 17 41 6 4042.6 18.71 186.19
110.00 5 39 58 1758.82 -23.96 5.49 166.72 115.14 6 9 16 1158.8 -20.38 358.18
110.00 17 32 29 4427.40 24.67 176.00 167.00 65.55 18 46 16 3827.4 21.16 168.61

DIFFERENTIAL CORRECTIONS
TDE -.2594 TRA -.4417 TC3 .5132 BAU .1685 SGT 785.7 SGR 409.5 SG3 120.9 ST 349.0 SR 353.7 SS 382.1
RDE -.2946 RRA .0713 RC3 -.1982 FAU .03570 RRT -.0896 RRF .0930 RTF -.7209 CRT .8537 CRS .9942 CST .8861
FDE .4505 FRA -.0145 FC3 -1.3489 BSP 2294 SGB 886.0 R23 -.0048 R13 .7214 LSA 609.0 MSA 146.6 SSA 22.1
BOE .3926 BRA .4474 BC3 .5501 FSP -308 SG1 786.9 SG2 407.2 THA 176.35 EL1 478.4 EL2 134.4 ALF 45.45

MID-COURSE EXECUTION ACCURACY
ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 14 1966

HELIOCENTRIC CONIC
RL 147.53 LAL .00 LOL 67.58 VL 26.638 GAL -5.61 AZL 86.66 HCA 88.67 SMA 121.80 ECC .23185 INC 3.3424 V1 30.199
RP 107.55 LAP 3.34 LOP 156.25 VP 37.128 GAP -11.63 AZP 89.92 TAL 199.34 TAP 288.02 RCA 93.56 APO 150.05 V2 35.236
RC 47.916 GL 19.37 GP -2.46 ZAL 119.88 ZAP 8.81 ETS 15.02 ZAE 147.82 ETE 336.12 ZAC 64.02 ETC 161.78 CLP -8.47

PLANETOCENTRIC CONIC
C3 21.717 VML 4.660 DLA -.03 RAL 303.40 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 7.674 DPA -17.59 RAP 331.96 ECC 1.3574
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 0 52 2233.24 -20.02 42.67 166.00 110.46 3 38 5 1633.2 -17.05 35.25
90.00 14 58 28 4879.05 20.06 211.73 166.01 69.58 16 19 47 4279.0 17.10 204.31
100.00 4 22 12 1970.90 -21.08 22.94 165.56 111.70 4 55 3 1370.9 -17.95 15.54
100.00 16 19 50 4616.62 21.12 192.00 165.58 68.34 17 36 46 4016.6 17.99 184.60
110.00 5 30 24 1757.38 -23.92 5.40 164.23 115.18 5 59 42 1157.4 -20.33 358.09
110.00 17 28 6 4402.91 23.97 174.44 164.24 64.86 18 41 29 3802.9 20.38 167.14

DIFFERENTIAL CORRECTIONS
TDE -.2648 TRA -.4182 TC3 .5706 BAU .1769 SGT 808.2 SGR 408.3 SG3 136.6 ST 360.6 SR 348.7 SS 412.7
RDE -.2829 RRA .0637 RC3 -.2134 FAU .03911 RRT -.0994 RRF .1048 RTF -.7346 CRT .8711 CRS .9956 CST .8888
FDE .5048 FRA -.0567 FC3 -1.5590 BSP 2383 SGB 905.5 R23 -.0072 R13 .7352 LSA 632.8 MSA 145.1 SSA 22.9
BOE .3875 BRA .4230 BC3 .6092 FSP -354 SG1 809.6 SG2 405.6 THA 176.16 EL1 485.2 EL2 127.3 ALF 43.90

MID-COURSE EXECUTION ACCURACY
ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 16 1966

HELIOCENTRIC CONIC

DISTANCE 206.692

RL 147.53 LAL .00 LOL 67.58 VL 26.812 GAL -5.66 AZL 86.63 HCA 91.91 SMA 122.85 ECC .22292 INC 3.3718 VI 30.199
 RP 107.56 LAP 3.37 LOP 159.50 VP 37.248 GAP -10.74 AZP 90.11 TAL 200.61 TAP 292.52 RCA 95.47 APO 150.24 VZ 35.230
 RC 49.420 GL 20.16 GP -2.64 ZAL 121.23 ZAP 11.24 ETS 12.39 ZAE 147.04 ETE 336.73 ZAC 64.82 ETC 161.89 CLP -10.93

PLANETOCENTRIC CONIC

C3 20.735 VML 4.554 OLA .39 RAL 301.71 RAD 6567.8 VEL 11.921 PTH 2.12 VHP 7.194 DPA -17.50 RAP 332.79 ECC 1.3412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 3 2234.95 -20.06 42.78 163.65 110.42 3 28 18 1635.0 -17.10 35.35
 90.00 14 54 48 4855.08 19.48 210.21 163.47 69.04 16 15 43 4255.1 16.46 202.84
 100.00 4 12 34 1971.99 -21.11 23.01 163.22 111.67 4 45 26 1372.0 -17.98 15.61
 100.00 16 15 57 4593.27 20.53 190.52 163.03 67.78 17 32 31 3993.3 17.34 183.18
 110.00 5 21 14 1757.09 -23.91 5.38 161.90 115.19 5 50 31 1157.1 -20.32 358.08
 110.00 17 23 47 4380.94 23.32 173.06 161.69 64.27 18 36 48 3780.9 19.67 165.83

DIFFERENTIAL CORRECTIONS

TDE -.2703 TRA -.3952 TC3 .6243 BAU .1843
 RDE -.2716 RRA .0563 RC3 -.2283 FAU .04299
 FDE .5678 FRA -.1059 FC3 -1.7949 BSP 2462
 BDE .3832 BRA .3992 BC3 .6647 FSP -408

MID-COURSE EXECUTION ACCURACY

SGT 828.4 SGR 406.3 SG3 154.6
 RRT -.1105 RRF .1186 RTF -.7464
 SGB 922.7 R23 -.0106 R13 .7472
 SG1 830.0 SG2 403.0 THA 175.94

ORBIT DETERMINATION ACCURACY

ST 371.8 SR 342.5 SS 445.8
 CRT .8872 CRS .9962 CST .8920
 LSA 658.0 MSA 144.1 SSA 23.5
 EL1 491.1 EL2 119.6 ALF 42.35

LAUNCH DATE NOV 30 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC

DISTANCE 213.470

RL 147.53 LAL .00 LOL 67.58 VL 26.968 GAL -5.71 AZL 86.60 HCA 95.16 SMA 123.82 ECC .21501 INC 3.4013 VI 30.199
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.354 GAP -9.90 AZP 90.31 TAL 201.86 TAP 297.02 RCA 97.19 APO 150.44 VZ 35.224
 RC 51.018 GL 20.89 GP -2.85 ZAL 122.52 ZAP 13.80 ETS 10.68 ZAE 146.51 ETE 337.15 ZAC 65.51 ETC 161.96 CLP -13.51

PLANETOCENTRIC CONIC

C3 19.930 VML 4.464 OLA .78 RAL 300.09 RAD 6567.8 VEL 11.887 PTH 2.11 VHP 6.741 DPA -17.46 RAP 333.52 ECC 1.3280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 42 2237.59 -20.12 42.94 161.49 110.36 3 19 0 1637.6 -17.17 35.51
 90.00 14 51 14 4833.54 18.95 208.85 161.13 68.56 16 11 47 4233.5 15.87 201.53
 100.00 4 3 24 1974.04 -21.16 23.14 161.06 111.62 4 36 18 1374.0 -18.03 15.74
 100.00 16 12 13 4572.32 19.98 189.20 160.68 67.29 17 28 25 3972.3 16.73 181.91
 110.00 5 12 29 1757.84 -23.94 5.42 159.76 115.17 5 41 47 1157.8 -20.34 358.12
 110.00 17 19 38 4361.28 22.74 171.84 159.34 63.76 18 32 19 3761.3 19.03 164.67

DIFFERENTIAL CORRECTIONS

TDE -.2751 TRA -.3728 TC3 .6732 BAU .1907
 RDE -.2605 RRA .0492 RC3 -.2429 FAU .04743
 FDE .6408 FRA -.1631 FC3 -2.0604 BSP 2532
 BDE .3789 BRA .3760 BC3 .7157 FSP -469

MID-COURSE EXECUTION ACCURACY

SGT 845.5 SGR 403.5 SG3 175.0
 RRT -.1246 RRF .1354 RTF -.7566
 SGB 936.9 R23 -.0142 R13 .7576
 SG1 847.5 SG2 399.4 THA 175.62

ORBIT DETERMINATION ACCURACY

ST 381.6 SR 334.9 SS 481.4
 CRT .9015 CRS .9961 CST .8952
 LSA 684.3 MSA 143.8 SSA 23.8
 EL1 495.3 EL2 111.7 ALF 40.87

LAUNCH DATE NOV 30 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC

DISTANCE 220.232

RL 147.53 LAL .00 LOL 67.58 VL 27.108 GAL -5.76 AZL 86.57 HCA 98.40 SMA 124.69 ECC .20803 INC 3.4310 VI 30.199
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.448 GAP -9.09 AZP 90.50 TAL 203.09 TAP 301.48 RCA 98.75 APO 150.64 VZ 35.216
 RC 52.701 GL 21.57 GP -3.08 ZAL 123.71 ZAP 16.49 ETS 9.48 ZAE 146.24 ETE 337.37 ZAC 66.09 ETC 161.99 CLP -16.21

PLANETOCENTRIC CONIC

C3 19.272 VML 4.390 OLA 1.15 RAL 298.57 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 6.313 DPA -17.49 RAP 334.13 ECC 1.3172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 53 2241.07 -20.20 43.17 159.51 110.27 3 10 14 1641.1 -17.26 35.73
 90.00 14 47 52 4814.15 18.47 207.64 158.99 68.14 16 8 7 4214.2 15.34 200.36
 100.00 3 54 45 1976.97 -21.23 23.32 159.09 111.55 4 27 42 1377.0 -18.12 15.91
 100.00 16 8 41 4553.48 19.48 188.03 158.54 66.87 17 24 35 3953.5 16.19 180.78
 110.00 5 4 13 1759.54 -23.98 5.53 157.81 115.12 5 33 33 1159.5 -20.40 358.22
 110.00 17 15 42 4343.68 22.20 170.75 157.19 63.32 18 28 6 3743.7 18.44 163.63

DIFFERENTIAL CORRECTIONS

TDE -.2795 TRA -.3516 TC3 .7150 BAU .1958
 RDE -.2494 RRA .0423 RC3 -.2573 FAU .05250
 FDE .7257 FRA -.2292 FC3 -2.3585 BSP 2585
 BDE .3746 BRA .3542 BC3 .7599 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 859.0 SGR 400.0 SG3 198.4
 RRT -.1410 RRF .1556 RTF -.7645
 SGB 947.6 R23 -.0191 R13 .7658
 SG1 861.4 SG2 395.0 THA 175.24

ORBIT DETERMINATION ACCURACY

ST 390.4 SR 326.0 SS 520.0
 CRT .9141 CRS .9954 CST .8983
 LSA 712.5 MSA 144.4 SSA 24.0
 EL1 497.9 EL2 103.6 ALF 39.39

LAUNCH DATE NOV 30 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

DISTANCE 226.977

RL 147.53 LAL .00 LOL 67.58 VL 27.232 GAL -5.81 AZL 86.54 HCA 101.64 SMA 125.49 ECC .20191 INC 3.4613 VI 30.199
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.530 GAP -8.32 AZP 90.70 TAL 204.27 TAP 305.90 RCA 100.15 APO 150.83 VZ 35.208
 RC 54.462 GL 22.20 GP -3.33 ZAL 124.81 ZAP 19.33 ETS 8.60 ZAE 146.23 ETE 337.39 ZAC 66.55 ETC 161.97 CLP -19.05

PLANETOCENTRIC CONIC

C3 18.738 VML 4.329 OLA 1.50 RAL 297.15 RAD 6567.8 VEL 11.837 PTH 2.10 VHP 5.910 DPA -17.60 RAP 334.62 ECC 1.3084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 36 2245.32 -20.30 43.44 157.73 110.17 3 2 1 1645.3 -17.37 35.99
 90.00 14 44 48 4796.63 18.02 206.55 157.06 67.78 16 4 45 4196.6 14.85 199.31
 100.00 3 46 38 1980.70 -21.32 23.56 157.31 111.46 4 19 39 1380.7 -18.22 16.14
 100.00 16 5 27 4536.48 19.03 186.97 156.61 66.50 17 21 4 3936.5 15.68 179.77
 110.00 4 56 29 1762.10 -24.06 5.69 156.04 115.05 5 25 51 1162.1 -20.48 358.38
 110.00 17 12 6 4327.85 21.72 169.78 155.25 62.93 18 24 14 3727.9 17.91 162.71

DIFFERENTIAL CORRECTIONS

TDE -.2825 TRA -.3318 TC3 .7482 BAU .1994
 RDE -.2380 RRA .0356 RC3 -.2717 FAU .05827
 FDE .8240 FRA -.3051 FC3 -2.6923 BSP 2625
 BDE .3694 BRA .3338 BC3 .7960 FSP -622

MID-COURSE EXECUTION ACCURACY

SGT 867.5 SGR 396.0 SG3 225.1
 RRT -.1609 RRF .1799 RTF -.7701
 SGB 953.6 R23 -.0250 R13 .7718
 SG1 870.4 SG2 389.6 THA 174.74

ORBIT DETERMINATION ACCURACY

ST 397.0 SR 315.5 SS 561.5
 CRT .9248 CRS .9941 CST .9009
 LSA 742.1 MSA 145.6 SSA 23.9
 EL1 498.0 EL2 95.7 ALF 37.96

LAUNCH DATE NOV 30 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 233.702

RL 147.53 LAL .00 LOL 67.58 VL 27.342 GAL -5.85 AZL 86.51 MCA 104.87 SMA 126.21 ECC .19655 INC 3.4922 V1 30.199
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.603 GAP -7.58 AZP 90.90 TAL 205.39 TAP 310.26 RCA 101.40 APO 151.02 V2 35.200
 RC 56.291 GL 22.78 GP -3.62 ZAL 125.81 ZAP 22.33 ETS 7.93 ZAE 146.49 ETE 337.19 ZAC 66.86 ETC 161.91 CLP -22.05

PLANETOCENTRIC CONIC

C3 18.305 VML 4.278 DLA 1.83 RAL 295.84 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 5.532 OPA -17.79 RAP 334.96 ECC 1.3012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 53 2250.30 -20.42 43.76 156.13 110.06 2 54 23 1650.3 -17.50 36.30
 90.00 14 42 6 4780.68 17.60 205.56 155.32 67.46 16 1 46 4180.7 14.40 198.35
 100.00 3 39 5 1985.18 -21.44 23.85 155.72 111.35 4 12 10 1385.2 -18.34 16.42
 100.00 16 2 35 4521.04 18.60 186.02 154.87 66.17 17 17 56 3921.0 15.23 178.85
 110.00 4 49 17 1765.44 -24.15 5.91 154.46 114.96 5 18 42 1165.4 -20.59 358.58
 110.00 17 8 52 4313.54 21.27 168.91 153.51 62.59 18 20 46 3713.5 17.43 161.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7823 TRA -.3126 TC3 .7744 BAU .2021 SGT 870.3 SGR 391.8 SG3 255.6 ST 398.8 SR 303.4 SS 605.0
 RDE -.2263 RRA .0289 RC3 -.2867 FAU .06492 RRT -.1882 RRF .2108 RTF -.7744 CRT .9336 CRS .9924 CST .9022
 FDE .9358 FRA -.3937 FC3-3.0705 BSP 2677 SGB 954.4 R23 -.0305 R13 .7767 LSA 771.3 MSA 147.1 SSA 23.6
 BDE .3618 BRA .3139 BC3 .8258 FSP -719 SGI 874.2 SG2 383.1 THA 174.00 EL1 493.3 EL2 87.9 ALF 36.74

LAUNCH DATE NOV 30 1965

FLIGHT TIME 88.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 240.404

RL 147.53 LAL .00 LOL 67.58 VL 27.440 GAL -5.89 AZL 86.48 MCA 108.11 SMA 126.85 ECC .19189 INC 3.5241 V1 30.199
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.665 GAP -6.87 AZP 91.10 TAL 206.44 TAP 314.55 RCA 102.51 APO 151.20 V2 35.191
 RC 58.184 GL 23.33 GP -3.95 ZAL 126.69 ZAP 25.51 ETS 7.38 ZAE 147.02 ETE 336.72 ZAC 67.02 ETC 161.80 CLP -25.23

PLANETOCENTRIC CONIC

C3 17.955 VML 4.237 DLA 2.16 RAL 294.65 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 5.179 OPA -18.07 RAP 335.13 ECC 1.2955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 43 2255.99 -20.55 44.12 154.72 109.92 2 47 19 1656.0 -17.65 36.65
 90.00 14 39 48 4765.98 17.22 204.65 153.78 67.17 15 59 14 4166.0 13.98 197.48
 100.00 3 32 4 1990.37 -21.56 24.18 154.32 111.22 4 5 14 1390.4 -18.49 16.74
 100.00 16 0 8 4506.83 18.21 185.15 153.33 65.88 17 15 15 3906.8 14.80 178.01
 110.00 4 42 37 1769.54 -24.27 6.17 153.07 114.84 5 12 6 1169.5 -20.72 358.82
 110.00 17 6 5 4300.43 20.86 168.11 151.96 62.28 18 17 45 3700.4 16.98 161.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2814 TRA -.2975 TC3 .7850 BAU .2019 SGT 865.7 SGR 387.4 SG3 290.1 ST 399.7 SR 289.3 SS 652.8
 RDE -.2138 RRA .0222 RC3 -.3022 FAU .07237 RRT -.2161 RRF .2464 RTF -.7735 CRT .9404 CRS .9905 CST .9028
 FDE 1.0666 FRA -.4928 FC3-3.4895 BSP 2665 SGB 948.4 R23 -.0413 R13 .7766 LSA 804.2 MSA 149.5 SSA 23.2
 BDE .3534 BRA .2983 BC3 .8412 FSP -827 SGI 870.7 SG2 376.1 THA 173.20 EL1 486.8 EL2 80.8 ALF 35.36

LAUNCH DATE NOV 30 1965

FLIGHT TIME 90.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 247.083

RL 147.53 LAL .00 LOL 67.58 VL 27.525 GAL -5.92 AZL 86.44 MCA 111.35 SMA 127.42 ECC .18784 INC 3.5572 V1 30.199
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.718 GAP -6.19 AZP 91.30 TAL 207.40 TAP 318.74 RCA 103.49 APO 151.36 V2 35.181
 RC 60.133 GL 23.83 GP -4.31 ZAL 127.45 ZAP 28.90 ETS 6.91 ZAE 147.84 ETE 335.94 ZAC 66.99 ETC 161.61 CLP -28.60

PLANETOCENTRIC CONIC

C3 17.673 VML 4.204 DLA 2.49 RAL 293.59 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 4.850 OPA -18.46 RAP 335.13 ECC 1.2909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 4 2262.38 -20.70 44.53 153.50 109.77 2 40 47 1662.4 -17.82 37.04
 90.00 14 37 59 4752.23 16.85 203.81 152.42 66.90 15 57 12 4152.2 13.58 196.66
 100.00 3 25 34 1996.28 -21.71 24.56 153.09 111.07 3 58 51 1396.3 -18.65 17.10
 100.00 15 58 10 4493.57 17.84 184.34 151.97 65.61 17 13 4 3893.6 14.40 177.23
 110.00 4 36 29 1774.35 -24.41 6.47 151.85 114.71 5 6 3 1174.4 -20.87 359.11
 110.00 17 3 46 4288.26 20.47 167.38 150.60 62.01 18 15 14 3688.3 16.57 160.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2777 TRA -.2855 TC3 .7818 BAU .1995 SGT 852.7 SGR 383.3 SG3 329.0 ST 396.6 SR 273.2 SS 704.2
 RDE -.2003 RRA .0154 RC3 -.3190 FAU .08076 RRT -.2483 RRF .2890 RTF -.7680 CRT .9454 CRS .9883 CST .9018
 FDE 1.2174 FRA -.6044 FC3-3.9562 BSP 2623 SGB 934.9 R23 -.0562 R13 .7726 LSA 839.2 MSA 152.2 SSA 22.5
 BDE .3424 BRA .2859 BC3 .8444 FSP -950 SGI 859.2 SG2 368.5 THA 172.19 EL1 475.8 EL2 74.2 ALF 34.02

LAUNCH DATE NOV 30 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 253.736

RL 147.53 LAL .00 LOL 67.58 VL 27.599 GAL -5.95 AZL 86.41 MCA 114.58 SMA 127.93 ECC .18435 INC 3.5917 V1 30.199
 RP 107.75 LAP 3.27 LOP 182.20 VP 37.763 GAP -5.54 AZP 91.50 TAL 208.27 TAP 322.84 RCA 104.34 APO 151.51 V2 35.171
 RC 62.133 GL 24.31 GP -4.73 ZAL 128.09 ZAP 32.50 ETS 6.49 ZAE 148.93 ETE 334.79 ZAC 66.77 ETC 161.35 CLP -32.19

PLANETOCENTRIC CONIC

C3 17.447 VML 4.177 DLA 2.81 RAL 292.66 RAD 6567.7 VEL 11.783 PTH 2.08 VHP 4.546 OPA -18.97 RAP 334.93 ECC 1.2871
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 56 2269.49 -20.86 44.99 152.45 109.59 2 34 46 1669.5 -18.00 37.48
 90.00 14 36 41 4739.15 16.50 203.01 151.24 66.66 15 55 40 4139.2 13.20 195.89
 100.00 3 19 35 2002.89 -21.87 24.98 152.05 110.90 3 52 58 1402.9 -18.83 17.51
 100.00 15 56 43 4480.98 17.48 183.57 150.79 65.36 17 11 24 3881.0 14.01 176.50
 110.00 4 30 50 1779.87 -24.57 6.83 150.82 114.55 5 0 30 1179.9 -21.05 359.45
 110.00 17 1 57 4276.76 20.10 166.69 149.41 61.75 18 13 14 3676.8 16.17 159.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2686 TRA -.2758 TC3 .7668 BAU .1954 SGT 830.4 SGR 380.2 SG3 373.0 ST 386.1 SR 255.0 SS 757.5
 RDE -.1858 RRA .0083 RC3 -.3375 FAU .09028 RRT -.2083 RRF .3407 RTF -.7581 CRT .9482 CRS .9855 CST .8979
 FDE 1.3864 FRA -.7320 FC3-4.4800 BSP 2581 SGB 913.3 R23 -.0745 R13 .7651 LSA 873.8 MSA 154.6 SSA 21.8
 BDE .3266 BRA .2759 BC3 .8378 FSP -1094 SGI 839.3 SG2 360.2 THA 170.76 EL1 457.6 EL2 68.3 ALF 32.88

LAUNCH DATE NOV 30 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.663 GAL -5.97 AZL 86.37 HCA 117.81 SMA 128.36 ECC .18133 INC 3.6280 V1 30.199
 RP 107.78 LAP 3.21 LOP 185.44 VP 37.799 GAP -4.92 AZP 91.69 TAL 209.03 TAP 326.84 RCA 105.09 APO 151.64 V2 35.160
 RC 64.180 GL 24.77 GP -5.19 ZAL 128.61 ZAP 36.34 ETS 6.09 ZAE 150.29 ETE 333.15 ZAC 66.35 ETC 160.99 CLP -36.02

PLANETOCENTRIC CONIC
 C3 17.266 VML 4.155 DLA 3.14 RAL 291.85 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 4.266 DPA -19.61 RAP 334.51 ECC 1.2841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 15 2277.35 -21.04 45.50 151.56 109.40 2 29 13 1677.4 -18.20 37.97
 90.00 14 35 56 4726.44 16.16 202.24 150.23 66.43 15 54 43 4126.4 12.83 195.14
 100.00 3 14 4 2010.25 -22.05 25.46 151.17 110.71 3 47 34 1410.3 -19.03 17.96
 100.00 15 55 49 4468.78 17.14 182.83 149.77 65.13 17 10 18 3868.8 13.64 175.78
 110.00 4 25 41 1786.12 -24.74 7.23 149.95 114.37 4 55 27 1186.1 -21.24 359.83
 110.00 17 0 42 4265.67 19.74 166.03 148.39 61.51 18 11 47 3665.7 15.78 159.15

DIFFERENTIAL CORRECTIONS
 TDE -.2568 TRA -.2724 TC3 .7303 BAU .1877 SGT 797.0 SGR 378.4 SG3 421.5 ST 372.1 SR 234.1 SS 815.8
 RDE -.1696 RRA .0010 RC3 -.3580 FAU .10070 RRT -.3257 RRF .3989 RTF -.7373 CRT .9485 CRS .9824 CST .8908
 FDE 1.5812 FRA -.8693 FC3 -5.0493 BSP 2456 SGB 882.3 R23 -.1057 R13 .7488 LSA 913.0 MSA 157.5 SSA 21.0
 BDE .3078 BRA .2724 BC3 .8133 FSP -1250 SGI 808.8 SG2 352.6 THA 169.12 EL1 435.0 EL2 63.4 ALF 31.57

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.717 GAL -5.98 AZL 86.33 HCA 121.04 SMA 128.74 ECC .17874 INC 3.6666 V1 30.199
 RP 107.81 LAP 3.14 LOP 188.67 VP 37.829 GAP -4.32 AZP 91.89 TAL 209.69 TAP 330.73 RCA 105.73 APO 151.75 V2 35.149
 RC 66.268 GL 25.22 GP -5.71 ZAL 129.02 ZAP 40.43 ETS 5.68 ZAE 151.91 ETE 330.90 ZAC 65.71 ETC 160.52 CLP -40.10

PLANETOCENTRIC CONIC
 C3 17.120 VML 4.138 DLA 3.48 RAL 291.17 RAD 6567.7 VEL 11.769 PTH 2.08 VHP 4.011 DPA -20.39 RAP 333.85 ECC 1.2818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 59 2286.05 -21.24 46.06 150.84 109.18 2 24 5 1686.0 -18.43 38.51
 90.00 14 35 47 4713.84 15.81 201.47 149.37 66.20 15 54 21 4113.8 12.46 194.40
 100.00 3 8 58 2018.43 -22.24 25.99 150.45 110.50 3 42 36 1418.4 -19.25 18.47
 100.00 15 55 30 4456.69 16.79 182.10 148.91 64.90 17 9 46 3856.7 13.27 175.08
 110.00 4 20 56 1793.14 -24.94 7.68 149.24 114.17 4 50 50 1193.1 -21.46 .25
 110.00 17 0 0 4254.77 19.39 165.39 147.52 61.28 18 10 55 3654.8 15.40 158.53

DIFFERENTIAL CORRECTIONS
 TDE -.2397 TRA -.2743 TC3 .6740 BAU .1772 SGT 752.4 SGR 378.9 SG3 474.7 ST 351.4 SR 210.5 SS 877.5
 RDE -.1518 RRA -.0065 RC3 -.3808 FAU .11203 RRT -.3596 RRF .4641 RTF -.7028 CRT .9456 CRS .9786 CST .8781
 FDE 1.8001 FRA -1.0172 FC3 -5.6650 BSP 2283 SGB 842.4 R23 -.1528 R13 .7224 LSA 954.8 MSA 160.2 SSA 20.1
 BDE .2837 BRA .2744 BC3 .7741 FSP -1419 SGI 767.9 SG2 346.5 THA 167.06 EL1 405.3 EL2 59.4 ALF 30.24

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.763 GAL -5.99 AZL 86.29 HCA 124.26 SMA 129.05 ECC .17652 INC 3.7078 V1 30.199
 RP 107.85 LAP 3.06 LOP 191.90 VP 37.852 GAP -3.75 AZP 92.09 TAL 210.24 TAP 334.50 RCA 106.27 APO 151.83 V2 35.138
 RC 68.394 GL 25.66 GP -6.29 ZAL 129.30 ZAP 44.79 ETS 5.25 ZAE 153.75 ETE 327.83 ZAC 64.85 ETC 159.93 CLP -44.44

PLANETOCENTRIC CONIC
 C3 17.004 VML 4.124 DLA 3.84 RAL 290.62 RAD 6567.7 VEL 11.764 PTH 2.08 VHP 3.781 DPA -21.32 RAP 332.95 ECC 1.2798
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 4 2295.66 -21.45 46.68 150.27 108.94 2 19 20 1695.7 -18.67 39.11
 90.00 14 36 14 4701.08 15.46 200.70 148.66 65.98 15 54 35 4101.1 12.09 193.65
 100.00 3 4 13 2027.49 -22.46 26.57 149.89 110.26 3 38 0 1427.5 -19.50 19.03
 100.00 15 55 47 4444.49 16.43 181.37 148.20 64.67 17 9 51 3844.5 12.89 174.37
 110.00 4 16 35 1800.99 -25.16 8.18 148.69 113.95 4 46 36 1201.0 -21.71 .73
 110.00 16 59 54 4243.76 19.03 164.74 146.80 61.05 18 10 38 3643.8 15.02 157.91

DIFFERENTIAL CORRECTIONS
 TDE -.2146 TRA -.2807 TC3 .6005 BAU .1649 SGT 697.8 SGR 383.3 SG3 532.6 ST 320.7 SR 184.3 SS 939.2
 RDE -.1323 RRA -.0147 RC3 -.4070 FAU .12444 RRT -.3865 RRF .5364 RTF -.6484 CRT .9374 CRS .9730 CST .8544
 FDE 2.0355 FRA -1.1792 FC3 -6.3356 BSP 2099 SGB 796.1 R23 -.2211 R13 .6838 LSA 996.1 MSA 162.4 SSA 19.2
 BDE .2521 BRA .2811 BC3 .7254 FSP -1615 SGI 718.3 SG2 343.4 THA 164.35 EL1 365.6 EL2 56.3 ALF 29.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.800 GAL -5.98 AZL 86.25 HCA 127.49 SMA 129.32 ECC .17462 INC 3.7523 V1 30.199
 RP 107.89 LAP 2.98 LOP 195.13 VP 37.868 GAP -3.20 AZP 92.29 TAL 210.67 TAP 338.16 RCA 106.73 APO 151.90 V2 35.126
 RC 70.553 GL 26.10 GP -6.93 ZAL 129.47 ZAP 49.41 ETS 4.78 ZAE 155.76 ETE 323.67 ZAC 63.76 ETC 159.18 CLP -49.04

PLANETOCENTRIC CONIC
 C3 16.911 VML 4.112 DLA 4.22 RAL 290.17 RAD 6567.7 VEL 11.760 PTH 2.08 VHP 3.577 DPA -22.39 RAP 331.80 ECC 1.2783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 27 2306.33 -21.68 47.38 149.85 108.67 2 14 53 1706.3 -18.93 39.78
 90.00 14 37 21 4687.90 15.09 199.91 148.09 65.75 15 55 29 4087.9 11.69 192.88
 100.00 2 59 47 2037.57 -22.69 27.23 149.47 109.99 3 33 44 1437.6 -19.77 19.66
 100.00 15 56 42 4431.89 16.07 180.61 147.62 64.45 17 10 34 3831.9 12.50 173.64
 110.00 4 12 34 1809.76 -25.40 8.75 148.28 113.69 4 42 44 1209.8 -21.98 1.27
 110.00 17 0 24 4232.46 18.65 164.08 146.22 60.82 18 10 57 3632.5 14.62 157.28

DIFFERENTIAL CORRECTIONS
 TDE -.1838 TRA -.2950 TC3 .5005 BAU .1500 SGT 636.3 SGR 391.5 SG3 593.1 ST 284.6 SR 154.9 SS 1004.8
 RDE -.1107 RRA -.0232 RC3 -.4358 FAU .13722 RRT -.3803 RRF .6096 RTF -.5550 CRT .9199 CRS .9646 CST .8119
 FDE 2.2952 FRA -1.3419 FC3 -7.0248 BSP 1831 SGB 747.1 R23 -.3279 R13 .6215 LSA 1042.7 MSA 164.7 SSA 18.2
 BDE .2145 BRA .2959 BC3 .6636 FSP -1813 SGI 660.7 SG2 348.7 THA 161.51 EL1 319.5 EL2 54.1 ALF 27.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.831 GAL -5.97 AZL 86.20 HCA 130.71 SMA 129.53 ECC .17301 INC 3.8008 V1 30.199
 RP 107.92 LAP 2.88 LOP 198.35 VP 37.879 GAP -2.67 AZP 92.48 TAL 210.99 TAP 341.70 RCA 107.12 APO 151.94 V2 35.114
 RC 72.741 GL 26.56 GP -7.64 ZAL 129.52 ZAP 54.28 ETS 4.25 ZAE 157.82 ETE 318.04 ZAC 62.48 ETC 158.25 CLP -53.91

PLANETOCENTRIC CONIC
 C3 16.838 VHL 4.103 DLA 4.64 RAL 289.85 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 3.399 DPA -23.60 RAP 330.39 ECC 1.2771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 3 2318.20 -21.94 48.15 149.58 108.36 2 10 41 1718.2 -19.23 40.53
 90.00 14 39 8 4674.04 14.71 199.08 147.65 65.53 15 57 2 4074.0 11.28 192.07
 100.00 2 55 34 2048.81 -22.95 27.96 149.20 109.69 3 29 43 1448.8 -20.06 20.36
 100.00 15 58 18 4418.67 15.68 179.83 147.18 64.22 17 11 56 3818.7 12.08 172.88
 110.00 4 8 49 1819.59 -25.67 9.39 148.02 113.39 4 39 8 1219.6 -22.28 1.87
 110.00 17 1 33 4220.65 18.26 163.39 145.77 60.59 18 11 53 3620.7 14.20 156.62

DIFFERENTIAL CORRECTIONS
 TOE -.1446 TRA -.3163 TC3 .3768 BAU .1352
 RDE -.0869 RRA -.0319 RC3 -.4676 FAU .15023
 FDE 2.5688 FRA-1.5039 FC3-7.7240 BSP 1541
 BDE .1687 BRA .3179 BC3 .6005 FSP -2018

MID-COURSE EXECUTION ACCURACY
 SGT 576.8 SGR 405.0 SG3 655.1
 RRT -.3183 RRF .6813 RTF -.4005
 SGB 704.8 R23 -.4786 R13 .5221
 SGI 600.6 SG2 368.7 THA 159.30

ORBIT DETERMINATION ACCURACY
 ST 242.0 SR 122.6 SS 1071.0
 CRT .8825 CRS .9493 CST .7277
 LSA 1092.1 MSA 166.7 SSA 17.2
 EL1 266.1 EL2 52.4 ALF 25.14

LAUNCH DATE NOV 30 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.854 GAL -5.95 AZL 86.15 HCA 133.93 SMA 129.69 ECC .17164 INC 3.8542 V1 30.199
 RP 107.96 LAP 2.77 LOP 201.58 VP 37.885 GAP -2.16 AZP 92.68 TAL 211.20 TAP 345.13 RCA 107.43 APO 151.95 V2 35.101
 RC 74.954 GL 27.04 GP -8.43 ZAL 129.46 ZAP 59.39 ETS 3.63 ZAE 159.80 ETE 310.50 ZAC 61.01 ETC 157.12 CLP -59.02

PLANETOCENTRIC CONIC
 C3 16.783 VHL 4.097 DLA 5.08 RAL 289.63 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 3.248 DPA -24.96 RAP 328.73 ECC 1.2762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 47 2331.50 -22.22 49.03 149.44 108.01 2 6 39 1731.5 -19.55 41.37
 90.00 14 41 38 4659.24 14.29 198.19 147.33 65.29 15 59 18 4059.2 10.83 191.21
 100.00 2 51 32 2061.40 -23.24 28.79 149.06 109.35 3 25 53 1461.4 -20.39 21.15
 100.00 16 0 35 4404.57 15.26 178.99 146.85 63.98 17 14 0 3804.6 11.64 172.07
 110.00 4 5 16 1830.64 -25.96 10.11 147.90 113.06 4 35 46 1230.6 -22.61 2.55
 110.00 17 3 20 4208.09 17.84 162.66 145.43 60.34 18 13 29 3608.1 13.76 155.92

DIFFERENTIAL CORRECTIONS
 TOE -.0956 TRA -.3435 TC3 .2316 BAU .1242
 RDE -.0613 RRA -.0412 RC3 -.5027 FAU .16320
 FDE 2.8415 FRA-1.6642 FC3-8.4184 BSP 1298
 BDE .1136 BRA .3459 BC3 .5535 FSP -2233

MID-COURSE EXECUTION ACCURACY
 SGT 535.2 SGR 424.7 SG3 716.8
 RRT -.1706 RRF .7480 RTF -.1606
 SGB 683.2 R23 -.6723 R13 .3297
 SGI 546.9 SG2 409.5 THA 161.92

ORBIT DETERMINATION ACCURACY
 ST 197.1 SR 88.4 SS 1133.9
 CRT .7986 CRS .9132 CST .5413
 LSA 1141.9 MSA 167.8 SSA 16.2
 EL1 210.1 EL2 49.9 ALF 20.94

LAUNCH DATE NOV 30 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.871 GAL -5.92 AZL 86.09 HCA 137.15 SMA 129.81 ECC .17049 INC 3.9136 V1 30.199
 RP 108.00 LAP 2.66 LOP 204.80 VP 37.886 GAP -1.67 AZP 92.87 TAL 211.31 TAP 348.46 RCA 107.68 APO 151.95 V2 35.089
 RC 77.191 GL 27.54 GP -9.29 ZAL 129.28 ZAP 64.69 ETS 2.92 ZAE 161.44 ETE 300.65 ZAC 59.42 ETC 155.78 CLP -64.33

PLANETOCENTRIC CONIC
 C3 16.745 VHL 4.092 DLA 5.58 RAL 289.51 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 3.124 DPA -26.44 RAP 326.86 ECC 1.2756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 35 2346.49 -22.54 50.01 149.43 107.61 2 2 42 1746.5 -19.92 42.32
 90.00 14 44 55 4643.19 13.83 197.24 147.13 65.04 16 2 18 4043.2 10.35 190.28
 100.00 2 47 34 2075.62 -23.56 29.73 149.06 108.95 3 22 9 1475.6 -20.75 22.05
 100.00 16 3 37 4389.29 14.80 178.09 146.65 63.73 17 16 47 3789.3 11.15 171.20
 110.00 4 1 81 1843.14 -26.29 10.93 147.92 112.68 4 32 34 1243.1 -22.99 3.33
 110.00 17 5 30 4194.54 17.38 161.87 145.22 60.09 18 15 44 3594.5 13.27 155.17

DIFFERENTIAL CORRECTIONS
 TOE -.0383 TRA -.3788 TC3 .0602 BAU .1215
 RDE -.0335 RRA -.0504 RC3 -.5393 FAU .17497
 FDE 3.1152 FRA-1.8028 FC3-9.0464 BSP 1180
 BDE .0509 BRA .3822 BC3 .5427 FSP -2426

MID-COURSE EXECUTION ACCURACY
 SGT 537.9 SGR 449.5 SG3 774.1
 RRT .0767 RRF .8052 RTF .1563
 SGB 701.0 R23 .7589 R13 .2855
 SGI 541.4 SG2 445.3 THA 11.51

ORBIT DETERMINATION ACCURACY
 ST 168.6 SR 53.2 SS 1196.4
 CRT .6572 CRS .7869 CST .1505
 LSA 1197.4 MSA 169.2 SSA 15.2
 EL1 172.4 EL2 39.2 ALF 12.36

LAUNCH DATE NOV 30 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.883 GAL -5.88 AZL 86.02 HCA 140.36 SMA 129.90 ECC .16953 INC 3.9806 V1 30.199
 RP 108.04 LAP 2.54 LOP 208.01 VP 37.882 GAP -1.20 AZP 93.07 TAL 211.31 TAP 351.67 RCA 107.88 APO 151.92 V2 35.076
 RC 79.446 GL 28.09 GP -10.23 ZAL 128.99 ZAP 70.14 ETS 2.09 ZAE 162.46 ETE 288.48 ZAC 57.75 ETC 154.20 CLP -69.81

PLANETOCENTRIC CONIC
 C3 16.724 VHL 4.089 DLA 6.13 RAL 289.49 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 3.026 DPA -28.03 RAP 324.81 ECC 1.2752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 19 2363.53 -22.88 51.14 149.56 107.15 1 58 43 1763.5 -20.32 43.41
 90.00 14 49 1 4625.58 13.32 196.19 147.04 64.78 16 6 7 4025.6 9.81 189.27
 100.00 2 43 34 2091.79 -23.91 30.80 149.20 108.49 3 18 26 1491.8 -21.16 23.08
 100.00 16 7 28 4372.56 14.29 177.10 146.56 63.46 17 20 20 3772.6 10.61 170.24
 110.00 3 58 28 1857.38 -26.66 11.87 148.07 112.23 4 29 26 1257.4 -23.41 4.22
 110.00 17 9 3 4179.72 16.87 161.02 145.11 59.82 18 18 43 3579.7 12.74 154.35

DIFFERENTIAL CORRECTIONS
 TOE .0293 TRA -.4199 TC3 -.1304 BAU .1325
 RDE -.0042 RRA -.0597 RC3 -.5781 FAU .18546
 FDE 3.3642 FRA-1.9227 FC3-9.6006 BSP 1358
 BDE .0296 BRA .4241 BC3 .5926 FSP -2611

MID-COURSE EXECUTION ACCURACY
 SGT 602.5 SGR 480.3 SG3 825.2
 RRT .3453 RRF .8530 RTF .4576
 SGB 770.5 R23 .5478 R13 .6766
 SGI 645.5 SG2 420.7 THA 28.24

ORBIT DETERMINATION ACCURACY
 ST 182.2 SR 29.5 SS 1252.1
 CRT .7955 CRS .0281 CST -.3877
 LSA 1254.2 MSA 169.7 SSA 14.1
 EL1 183.7 EL2 17.7 ALF 7.42

LAUNCH DATE NOV 30 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.889 GAL -5.83 AZL 85.94 MCA 143.58 SMA 129.94 ECC .16872 INC 4.0574 V1 30.199
 RP 108.08 LAP 2.41 LOP 211.23 VP 37.875 GAP -.75 AZP 93.27 TAL 211.20 TAP 354.78 RCA 108.02 APO 151.86 V2 35.063
 RC 81.719 GL 28.69 GP -11.27 ZAL 128.58 ZAP 75.67 ETS 1.14 ZAE 162.57 ETE 274.89 ZAC 56.09 ETC 152.38 CLP -75.38

DISTANCE 312.364

PLANETOCENTRIC CONIC
 C3 16.724 VHL 4.089 OLA 6.74 RAL 289.86 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 2.956 DPA -29.71 RAP 322.64 ECC 1.2752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 52 2383.10 -23.27 52.45 149.83 106.61 1 54 35 1783.1 -20.77 44.66
 90.00 14 54 3 4606.00 12.75 195.04 147.07 64.50 16 10 49 4006.0 9.21 188.14
 100.00 2 39 26 2110.37 -24.31 32.04 149.48 107.96 3 14 36 1510.4 -21.62 24.27
 100.00 16 12 11 4353.97 13.72 176.01 146.58 63.18 17 24 45 3754.0 10.02 169.19
 110.00 3 55 2 1873.77 -27.08 12.96 148.37 111.70 4 26 16 1273.8 -23.89 5.25
 110.00 17 13 4 4163.33 16.31 160.08 145.11 59.53 18 22 27 3563.3 12.14 153.45

DIFFERENTIAL CORRECTIONS
 TDE .1054 TRA -4.673 TC3 -.3406 BAU .1575 SGT 730.8 SGR 514.8 SG3 865.4 ST 247.0 SR 50.0 SS 1304.3
 RDE .0271 RRA -.0683 RC3 -.6166 FAU .19337 RRT .5572 RRF .8905 RTF .6676 CRT .9262 CRS -.8572 CST -.7234
 FDE 3.5900 FRA -2.0029 FC-10.0102 BSP 1809 SGB 893.9 R23 .4340 R13 .8046 LSA 1317.4 MSA 170.3 SSA 13.0
 BDE .1088 BRA .4723 BC3 .7044 FSP -2752 SG1 805.4 SG2 387.9 THA 28.66 EL1 251.3 EL2 18.5 ALF 10.69

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.890 GAL -5.78 AZL 85.85 MCA 146.79 SMA 129.95 ECC .16807 INC 4.1467 V1 30.199
 RP 108.12 LAP 2.27 LOP 214.44 VP 37.864 GAP -.32 AZP 93.47 TAL 211.00 TAP 357.79 RCA 108.11 APO 151.79 V2 35.050
 RC 84.008 GL 29.36 GP -12.41 ZAL 128.05 ZAP 81.19 ETS .04 ZAE 161.64 ETE 261.57 ZAC 54.52 ETC 150.32 CLP -80.98

DISTANCE 318.738

PLANETOCENTRIC CONIC
 C3 16.750 VHL 4.093 OLA 7.45 RAL 289.72 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 2.912 DPA -31.48 RAP 320.43 ECC 1.2757
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 4 2405.85 -23.70 53.97 150.25 105.96 1 50 10 1805.8 -21.29 46.13
 90.00 15 0 7 4583.97 12.10 193.75 147.20 64.20 16 16 31 3984.0 8.53 186.88
 100.00 2 34 59 2131.96 -24.75 33.49 149.91 107.32 3 10 31 1532.0 -22.15 25.66
 100.00 16 17 53 4333.09 13.08 174.80 146.70 62.88 17 30 7 3733.1 9.34 168.00
 110.00 3 51 24 1892.84 -27.55 14.24 148.82 111.08 4 22 57 1292.8 -24.44 6.46
 110.00 17 17 58 4144.98 15.67 159.04 145.22 59.23 18 27 3 3545.0 11.48 152.45

DIFFERENTIAL CORRECTIONS
 TDE .1906 TRA -.5192 TC3 -.5630 BAU .1934 SGT 906.0 SGR 553.2 SG3 892.8 ST 346.0 SR 91.7 SS 1350.0
 RDE .0602 RRA -.0765 RC3 -.6548 FAU .19844 RRT .6956 RRF .9196 RTF .7899 CRT .9401 CRS -.9711 CST -.8645
 FDE 3.7776 FRA -2.0444 FC-10.2567 BSP 2435 SGB 1061.6 R23 .3652 R13 .8695 LSA 1386.1 MSA 170.5 SSA 11.9
 BDE .1998 BRA .5248 BC3 .8636 FSP -2850 SG1 998.4 SG2 360.7 THA 26.78 EL1 356.7 EL2 30.3 ALF 14.09

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.887 GAL -5.71 AZL 85.75 MCA 149.99 SMA 129.93 ECC .16753 INC 4.2526 V1 30.199
 RP 108.16 LAP 2.13 LOP 217.64 VP 37.849 GAP .10 AZP 93.68 TAL 210.71 TAP .70 RCA 108.16 APO 151.70 V2 35.036
 RC 86.309 GL 30.12 GP -13.69 ZAL 127.39 ZAP 86.63 ETS 358.78 ZAE 159.74 ETE 250.09 ZAC 53.13 ETC 148.03 CLP -86.53

DISTANCE 325.085

PLANETOCENTRIC CONIC
 C3 16.811 VHL 4.100 OLA 8.26 RAL 289.96 RAD 6567.7 VEL 11.756 PTH 2.07 VHP 2.895 DPA -33.36 RAP 318.26 ECC 1.2767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 4 41 2432.68 -24.19 55.79 150.83 105.18 1 45 14 1832.7 -21.88 47.88
 90.00 15 7 24 4558.83 11.35 192.28 147.46 63.88 16 23 23 3958.8 7.75 185.45
 100.00 2 30 2 2157.43 -25.26 35.21 150.49 106.54 3 5 59 1557.4 -22.75 27.31
 100.00 16 24 45 4309.31 12.34 173.42 146.95 62.56 17 36 34 3709.3 8.56 166.67
 110.00 3 47 23 1915.34 -28.10 15.77 149.44 110.32 4 19 19 1315.3 -25.07 7.90
 110.00 17 23 52 4124.17 14.95 157.87 145.44 58.89 18 32 37 3524.2 10.71 151.32

DIFFERENTIAL CORRECTIONS
 TDE .2847 TRA -.5740 TC3 -.7906 BAU .2363 SGT 1111.6 SGR 595.4 SG3 905.9 ST 466.7 SR 138.6 SS 1386.5
 RDE .0951 RRA -.0844 RC3 -.6927 FAU .20043 RRT .7823 RRF .9418 RTF .8588 CRT .9565 CRS -.9915 CST -.9246
 FDE 3.9139 FRA -2.0494 FC-10.3216 BSP 3156 SGB 1261.0 R23 .3198 R13 .9073 LSA 1459.6 MSA 169.9 SSA 10.7
 BDE .3001 BRA .5802 BC3 1.0512 FSP -2910 SG1 1214.4 SG2 339.5 THA 24.80 EL1 485.3 EL2 38.9 ALF 15.97

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.880 GAL -5.63 AZL 85.62 MCA 153.20 SMA 129.88 ECC .16712 INC 4.3813 V1 30.199
 RP 108.20 LAP 1.97 LOP 220.85 VP 37.832 GAP .51 AZP 93.91 TAL 210.33 TAP 3.53 RCA 108.17 APO 151.58 V2 35.023
 RC 88.623 GL 31.01 GP -15.17 ZAL 126.59 ZAP 91.89 ETS 357.31 ZAE 157.09 ETE 241.12 ZAC 52.05 ETC 145.53 CLP -91.96

DISTANCE 331.405

PLANETOCENTRIC CONIC
 C3 16.925 VHL 4.114 OLA 9.21 RAL 290.27 RAD 6567.7 VEL 11.760 PTH 2.08 VHP 2.903 DPA -35.36 RAP 316.23 ECC 1.2785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 25 2464.90 -24.75 57.98 151.59 104.21 1 39 30 1864.9 -22.55 50.00
 90.00 15 16 9 4529.69 10.47 190.59 147.84 63.54 16 31 38 3929.7 6.83 183.80
 100.00 2 24 16 2188.02 -25.83 37.30 151.27 105.59 3 0 44 1588.0 -23.45 29.32
 100.00 16 32 59 4281.80 11.47 171.84 147.32 62.21 17 44 21 3681.8 7.66 165.12
 110.00 3 42 46 1942.37 -28.72 17.63 150.24 109.39 4 15 8 1342.4 -25.81 9.66
 110.00 17 30 58 4100.22 14.10 156.53 145.78 58.53 18 39 19 3500.2 9.83 150.03

DIFFERENTIAL CORRECTIONS
 TDE .3872 TRA -.6314 TC3 -1.0180 BAU .2834 SGT 1336.4 SGR 641.6 SG3 903.3 ST 602.4 SR 190.3 SS 1417.3
 RDE .1331 RRA -.0918 RC3 -.7297 FAU .19894 RRT .8377 RRF .9585 RTF .8982 CRT .9668 CRS -.9972 CST -.9520
 FDE 4.0067 FRA -2.0105 FC-10.1765 BSP 3940 SGB 1482.4 R23 .2901 R13 .9301 LSA 1542.4 MSA 169.3 SSA 9.5
 BDE .4095 BRA .6380 BC3 1.2925 FSP -2917 SG1 1446.6 SG2 323.7 THA 23.13 EL1 630.1 EL2 46.5 ALF 17.08

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 118.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 337.700

RL 147.53 LAL .00 LOL 67.58 VL 27.869 GAL -5.55 AZL 85.46 HCA 156.40 SMA 129.80 ECC .16680 INC 4.5418 V1 30.199
 RP 108.24 LAP 1.82 LOP 224.05 VP 37.812 GAP .89 AZP 94.16 TAL 209.87 TAP 6.27 RCA 108.15 APO 151.45 V2 35.010
 RC 90.946 GL 32.07 GP -16.92 ZAL 125.62 ZAP 96.91 ETS 355.59 ZAE 153.90 ETE 234.55 ZAC 51.37 ETC 142.82 CLP -97.22

PLANETOCENTRIC CONIC

C3 17.115 VML 4.137 DLA 10.34 RAL 290.64 RAD 6567.7 VEL 11.769 PTH 2.08 VHP 2.938 DPA -37.57 RAP 314.43 ECC 1.2817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 47 2504.52 -25.38 60.71 152.57 102.99 1 32 31 1904.5 -23.34 52.64
 90.00 15 26 45 4495.22 9.42 188.60 148.37 63.17 16 41 40 3895.2 5.74 181.85
 100.00 2 17 15 2225.61 -26.50 39.90 152.26 104.37 2 54 21 1625.6 -24.26 31.81
 100.00 16 42 57 4249.35 10.43 169.99 147.83 61.83 17 53 47 3649.3 6.59 163.32
 110.00 3 37 10 1975.58 -29.45 19.94 151.29 108.20 4 10 5 1375.6 -26.68 11.84
 110.00 17 39 33 4072.16 13.10 154.97 146.26 58.14 18 47 25 3472.2 8.79 148.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4997 TRA -.6901 TC3-1.2349 BAU .3327 SGT 1570.6 SGR 694.2 SG3 885.5 ST 751.6 SR 247.4 SS 1440.1
 RDE .1755 RRA -.0997 RC3 -.7674 FAU .19426 RRT .8744 RRF .9711 RTF .9222 CRT .9738 CRS -.9991 CST -.9681
 FDE 4.0496 FRA-1.9423 FC3-9.8264 BSP 4757 SGB 1717.2 R23 .2699 R13 .9450 LSA 1634.5 MSA 167.9 SSA 8.3
 BDE .5296 BRA .6973 BC3 1.4539 FSP -2883 SGI 1688.4 SG2 313.4 THA 21.92 EL1 789.4 EL2 53.6 ALF 17.86

LAUNCH DATE NOV 30 1965

FLIGHT TIME 120.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 343.970

RL 147.53 LAL .00 LOL 67.58 VL 27.855 GAL -5.45 AZL 85.25 HCA 159.60 SMA 129.70 ECC .16658 INC 4.7494 V1 30.199
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.789 GAP 1.27 AZP 94.45 TAL 209.32 TAP 8.92 RCA 108.10 APO 151.31 V2 34.996
 RC 93.279 GL 33.37 GP -19.09 ZAL 124.47 ZAP 101.57 ETS 353.52 ZAE 150.27 ETE 230.04 ZAC 51.25 ETC 139.91 CLP-102.26

PLANETOCENTRIC CONIC

C3 17.426 VML 4.174 DLA 11.73 RAL 291.07 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 3.001 DPA -40.11 RAP 312.97 ECC 1.2868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 2 2554.75 -26.11 64.21 153.83 101.38 1 23 37 1954.7 -24.27 56.02
 90.00 15 39 52 4453.32 8.12 186.21 149.08 62.78 16 54 5 3853.3 4.41 179.50
 100.00 2 8 19 2273.22 -27.26 43.23 153.56 102.77 2 46 13 1673.2 -25.22 35.02
 100.00 16 55 16 4210.07 9.16 167.77 148.53 61.42 18 5 26 3610.1 5.27 161.14
 110.00 3 30 1 2017.59 -30.30 22.91 152.65 106.63 4 3 39 1417.6 -27.73 14.66
 110.00 17 50 3 4038.47 11.88 153.13 146.90 57.71 57 22 3438.5 7.53 146.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6253 TRA -.7500 TC3-1.4316 BAU .3825 SGT 1808.4 SGR 755.3 SG3 851.5 ST 915.1 SR 314.9 SS 1461.8
 RDE .2265 RRA -.1077 RC3 -.8044 FAU .18574 RRT .8993 RRF .9805 RTF .9371 CRT .9783 CRS -.9997 CST -.9770
 FDE 4.0656 FRA-1.8322 FC3-9.2278 BSP 5582 SGB 1959.8 R23 .2567 R13 .9547 LSA 1745.1 MSA 166.9 SSA 7.1
 BDE .6651 BRA .7577 BC3 1.6421 FSP -2779 SGI 1935.4 SG2 308.7 THA 21.15 EL1 965.8 EL2 61.8 ALF 18.68

LAUNCH DATE NOV 30 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 350.216

RL 147.53 LAL .00 LOL 67.58 VL 27.838 GAL -5.35 AZL 84.97 HCA 162.80 SMA 129.58 ECC .16644 INC 5.0301 V1 30.199
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.764 GAP 1.63 AZP 94.81 TAL 208.70 TAP 11.50 RCA 108.02 APO 151.15 V2 34.983
 RC 95.621 GL 35.01 GP -21.90 ZAL 123.06 ZAP 105.78 ETS 350.94 ZAE 146.20 ETE 227.25 ZAC 51.87 ETC 136.75 CLP-107.05

PLANETOCENTRIC CONIC

C3 17.940 VML 4.236 DLA 13.48 RAL 291.52 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 3.098 DPA -43.20 RAP 311.98 ECC 1.2952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 53 2621.11 -26.91 68.90 155.50 99.16 1 11 34 2021.1 -25.37 60.58
 90.00 15 56 39 4400.46 6.46 183.21 150.07 62.37 17 9 59 3800.5 2.71 176.54
 100.00 1 56 17 2336.01 -28.12 47.70 155.27 100.58 2 35 13 1736.0 -26.37 39.33
 100.00 17 10 56 4160.80 7.54 165.00 149.48 60.99 18 20 16 3560.8 3.62 158.42
 110.00 3 20 24 2072.83 -31.31 26.90 154.45 104.47 3 54 56 1472.8 -29.01 18.45
 110.00 18 3 18 3996.74 10.35 150.86 147.79 57.24 19 9 55 3396.7 5.96 144.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7698 TRA -.8125 TC3-1.5956 BAU .4330 SGT 2046.6 SGR 832.6 SG3 802.0 ST 1095.9 SR 396.5 SS 1476.4
 RDE .2904 RRA -.1184 RC3 -.8446 FAU .17413 RRT .9167 RRF .9872 RTF .9471 CRT .9820 CRS -.9999 CST -.9829
 FDE 4.0398 FRA-1.7049 FC3-8.4031 BSP 6442 SGB 2209.5 R23 .2460 R13 .9619 LSA 1873.7 MSA 164.9 SSA 5.9
 BDE .8227 BRA .8211 BC3 1.8053 FSP -2643 SGI 2187.5 SG2 311.2 THA 20.90 EL1 1163.2 EL2 70.6 ALF 19.63

LAUNCH DATE NOV 30 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 356.437

RL 147.53 LAL .00 LOL 67.58 VL 27.819 GAL -5.23 AZL 84.57 HCA 165.99 SMA 129.44 ECC .16639 INC 5.4341 V1 30.199
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.738 GAP 1.99 AZP 95.27 TAL 208.01 TAP 14.01 RCA 107.91 APO 150.98 V2 34.970
 RC 97.969 GL 37.20 GP -25.75 ZAL 121.29 ZAP 109.35 ETS 347.55 ZAE 141.49 ETE 225.95 ZAC 53.56 ETC 133.25 CLP-111.59

PLANETOCENTRIC CONIC

C3 18.826 VML 4.339 DLA 15.79 RAL 291.98 RAD 6567.8 VEL 11.841 PTH 2.10 VHP 3.246 DPA -47.24 RAP 311.67 ECC 1.3098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 8 49 2714.19 -27.74 75.59 157.80 95.91 0 54 3 2114.2 -26.64 67.10
 90.00 16 19 22 4329.97 4.22 179.24 151.50 61.97 17 31 32 3730.0 .44 172.60
 100.00 1 38 53 2423.72 -29.05 54.05 157.62 97.36 2 19 17 1823.7 -27.73 45.49
 100.00 17 31 58 4095.67 5.38 161.38 150.87 60.55 18 40 14 3495.7 1.42 154.84
 110.00 3 6 31 2149.52 -32.48 32.57 156.97 101.30 3 42 21 1549.5 -30.58 23.87
 110.00 18 20 50 3942.63 8.34 147.95 149.05 56.73 19 26 32 3342.6 3.91 141.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9482 TRA -.8799 TC3-1.7039 BAU .4829 SGT 2283.0 SGR 932.6 SG3 733.2 ST 1304.2 SR 504.2 SS 1489.7
 RDE .3792 RRA -.1321 RC3 -.8822 FAU .15797 RRT .9290 RRF .9919 RTF .9540 CRT .9850 CRS -.9999 CST -.9870
 FDE 3.9903 FRA-1.5462 FC3-7.2646 BSP 7308 SGB 2466.1 R23 .2365 R13 .9673 LSA 2036.6 MSA 163.1 SSA 4.7
 BDE 1.0212 BRA .8897 BC3 1.9187 FSP -2429 SGI 2444.9 SG2 322.3 THA 21.17 EL1 1395.9 EL2 81.4 ALF 20.92

LAUNCH DATE NOV 30 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.796 GAL -5.11 AZL 83.93 MCA 169.18 SMA 129.29 ECC .16641 INC 6.0703 V1 30.199
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.709 GAP 2.33 AZP 95.96 TAL 207.26 TAP 16.44 RCA 107.77 APO 150.80 V2 34.957
 RC 100.323 GL 40.30 GP -31.40 ZAL 118.96 ZAP 111.91 ETS 342.87 ZAE 135.61 ETE 226.00 ZAC 56.92 ETC 129.25 CLP-115.92

DISTANCE 362.634

PLANETOCENTRIC CONIC
 C3 20.493 VHL 4.927 DLA 19.02 RAL 292.38 RAD 6567.8 VEL 11.911 PTH 2.12 VHP 3.488 DPA -52.96 RAP 312.49 ECC 1.3373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 34 9 2857.49 -28.31 86.03 161.13 90.71 24 21 46 2257.5 -27.91 77.38
 90.00 16 53 21 4226.93 .91 173.48 153.83 61.70 18 3 48 3626.9 -2.88 166.85
 100.00 1 11 6 2557.54 -29.82 63.92 161.08 92.22 1 53 43 1957.5 -29.19 55.17
 100.00 18 3 1 4002.12 2.23 156.22 153.10 60.18 19 9 43 3402.1 -1.76 149.70
 110.00 2 44 39 2264.87 -33.68 41.35 160.75 96.23 3 22 23 1664.9 -32.45 32.33
 110.00 18 45 58 3867.55 5.52 143.98 151.06 56.21 19 50 25 3267.6 1.04 137.75

MID-COURSE EXECUTION ACCURACY
 SGT 2522.0 SGR 1068.4 SG3 638.9
 RRT .9378 RRF .9947 RTF .9595
 SGB 2739.0 R23 .2238 R13 .9723
 SG1 2717.3 SG2 344.2 THA 22.04

ORBIT DETERMINATION ACCURACY
 ST 1557.1 SR 652.8 SS 1490.6
 CRT .9878 CRS -.9998 CST -.9903
 LSA 2246.6 MSA 159.9 SSA 3.5
 EL1 1685.8 EL2 93.8 ALF 22.57

DIFFERENTIAL CORRECTIONS
 TDE 1.1913 TRA -.9613 TC3-1.7221 BAU .5335
 RDE .5131 RRA -.1535 RC3 -.9091 FAU .13633
 FDE 3.8819 FRA-1.3680 FC3-5.7593 BSP 8250
 BDE 1.2971 BRA .9735 BC3 1.9474 FSP -2143

LAUNCH DATE NOV 30 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.772 GAL -4.98 AZL 82.77 MCA 172.37 SMA 129.12 ECC .16650 INC 7.2293 V1 30.199
 RP 108.44 LAP .96 LOP 240.01 VP 37.679 GAP 2.65 AZP 97.17 TAL 206.44 TAP 18.80 RCA 107.62 APO 150.61 V2 34.945
 RC 102.682 GL 45.04 GP -40.37 ZAL 115.60 ZAP 112.57 ETS 335.95 ZAE 127.30 ETE 227.06 ZAC 63.22 ETC 124.42 CLP-120.25

DISTANCE 368.807

PLANETOCENTRIC CONIC
 C3 24.209 VHL 4.920 DLA 23.92 RAL 292.65 RAD 6568.0 VEL 12.066 PTH 2.16 VHP 3.961 DPA -61.78 RAP 315.93 ECC 1.3984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 32 51 3123.22 -27.01 105.31 166.16 81.16 23 24 54 2523.2 -27.96 96.77
 90.00 17 56 47 4041.96 -5.04 163.14 158.63 62.10 19 4 9 3442.0 -8.74 156.41
 100.00 0 17 42 2797.86 -29.12 81.71 166.49 82.91 1 4 20 2197.9 -29.79 72.97
 100.00 18 58 34 3842.55 -3.18 147.47 157.60 60.26 20 2 36 3242.6 -7.11 140.89
 110.00 2 4 43 2463.03 -34.08 56.78 167.00 87.13 2 45 46 1863.0 -34.10 47.54
 110.00 19 28 2 3750.15 1.05 137.83 154.96 55.83 20 30 32 3150.2 -3.44 131.62

MID-COURSE EXECUTION ACCURACY
 SGT 2777.0 SGR 1241.4 SG3 501.4
 RRT .9439 RRF .9960 RTF .9649
 SGB 3041.9 R23 .2059 R13 .9773
 SG1 3018.4 SG2 377.2 THA 23.26

ORBIT DETERMINATION ACCURACY
 ST 1897.1 SR 867.4 SS 1459.7
 CRT .9905 CRS -.9998 CST -.9932
 LSA 2541.3 MSA 155.4 SSA 2.6
 EL1 2083.2 EL2 108.3 ALF 24.44

DIFFERENTIAL CORRECTIONS
 TDE 1.5897 TRA-1.0786 TC3-1.5733 BAU .5824
 RDE .7421 RRA -.1848 RC3 -.8736 FAU .10478
 FDE 3.6422 FRA-1.1376 FC3-3.7470 BSP 9296
 BDE 1.7544 BRA 1.0944 BC3 1.7996 FSP -1701

LAUNCH DATE NOV 30 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.745 GAL -4.83 AZL 79.97 MCA 175.55 SMA 128.93 ECC .16665 INC10.0278 V1 30.199
 RP 108.48 LAP .77 LOP 243.20 VP 37.648 GAP 2.97 AZP 100.00 TAL 205.55 TAP 21.09 RCA 107.44 APO 150.42 V2 34.932
 RC 105.043 GL 53.10 GP -55.90 ZAL 109.95 ZAP 109.09 ETS 324.41 ZAE 113.58 ETE 226.76 ZAC 75.11 ETC 117.35 CLP-125.70

DISTANCE 374.951

PLANETOCENTRIC CONIC
 C3 36.243 VHL 6.020 DLA 32.22 RAL 292.70 RAD 6568.4 VEL 12.554 PTH 2.28 VHP 5.293 DPA -76.32 RAP 332.82 ECC 1.5965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.94 18 10 27 4082.36 -17.86 172.91 171.99 62.72 19 18 29 3482.4 -21.37 165.70
 106.06 22 19 36 3284.56 -17.84 113.78 171.98 62.71 23 14 20 2684.6 -21.35 106.57
 75.94 18 10 27 4082.36 -17.86 172.91 171.99 62.72 19 18 29 3482.4 -21.37 165.70
 106.06 22 19 36 3284.56 -17.84 113.78 171.98 62.71 23 14 20 2684.6 -21.35 106.57
 110.00 0 15 48 2937.61 -26.83 91.54 176.44 67.98 1 4 45 2337.6 -29.57 83.43
 110.00 21 17 21 3477.31 -9.30 123.48 166.88 56.96 22 15 19 2877.3 -13.59 117.00

MID-COURSE EXECUTION ACCURACY
 SGT 3111.1 SGR 1335.0 SG3 296.8
 RRT .9448 RRF .9935 RTF .9737
 SGB 3385.4 R23 .1760 R13 .9836
 SG1 3361.1 SG2 405.1 THA 22.41

ORBIT DETERMINATION ACCURACY
 ST 2450.4 SR 1096.0 SS 1319.8
 CRT .9929 CRS -.9995 CST -.9961
 LSA 2987.8 MSA 143.8 SSA 1.8
 EL1 2681.7 EL2 119.1 ALF 24.00

DIFFERENTIAL CORRECTIONS
 TDE 2.5322 TRA-1.3089 TC3-1.0837 BAU .6020
 RDE 1.1491 RRA -.2016 RC3 -.6074 FAU .05756
 FDE 3.0189 FRA -.7981 FC3-1.3749 BSP 10276
 BDE 2.7807 BRA 1.3243 BC3 1.2423 FSP -1006

LAUNCH DATE NOV 30 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.717 GAL -4.67 AZL 63.90 MCA 178.66 SMA 128.73 ECC .16676 INC26.1015 V1 30.199
 RP 108.52 LAP .59 LOP 246.38 VP 37.616 GAP 3.26 AZP 116.10 TAL 204.55 TAP 23.21 RCA 107.27 APO 150.20 V2 34.920
 RC 107.406 GL 64.72 GP -82.37 ZAL 98.44 ZAP 97.55 ETS 241.07 ZAE 85.27 ETE 153.79 ZAC 97.43 ETC 42.78 CLP 171.52

DISTANCE 381.009

PLANETOCENTRIC CONIC
 C3 180.665 VHL 13.441 DLA 45.62 RAL 296.75 RAD 6570.9 VEL 17.378 PTH 2.96 VHP 14.654 DPA -70.86 RAP 112.89 ECC 3.9733
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.60 16 39 7 4750.16 -7.76 220.13 199.10 44.90 17 58 18 4150.2 -13.38 214.75
 127.40 0 27 8 3327.91 -7.74 109.72 199.09 44.89 1 22 36 2727.9 -13.36 104.35
 52.60 16 39 7 4750.16 -7.76 220.13 199.10 44.90 17 58 18 4150.2 -13.38 214.75
 127.40 0 27 8 3327.91 -7.74 109.72 199.09 44.89 1 22 36 2727.9 -13.36 104.35
 52.60 16 39 7 4750.16 -7.76 220.13 199.10 44.90 17 58 18 4150.2 -13.38 214.75
 127.40 0 27 8 3327.91 -7.74 109.72 199.09 44.89 1 22 36 2727.9 -13.36 104.35

MID-COURSE EXECUTION ACCURACY
 SGT 2516.4 SGR 2660.3 SG3 78.8
 RRT -.9474 RRF -.9706 RTF .9966
 SGB 3661.8 R23 -.0894 R13 -.9960
 SG1 3613.5 SG2 593.0 THA 133.32

ORBIT DETERMINATION ACCURACY
 ST 2477.5 SR 2364.0 SS 1118.6
 CRT -.9941 CRS .9965 CST -.9997
 LSA 3597.5 MSA 188.3 SSA .4
 EL1 3419.3 EL2 186.2 ALF 136.35

DIFFERENTIAL CORRECTIONS
 TDE 5.8035 TRA -.7326 TC3 -.0421 BAU .1016
 RDE-5.4723 RRA 2.0983 RC3 .0007 FAU .00226
 FDE 2.0660 FRA -.3850 FC3 -.0108 BSP 11312
 BDE 7.9766 BRA 2.2225 BC3 .0421 FSP -268

LAUNCH DATE NOV 30 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 387.306

RL 147.53 LAL .00 LOL 67.58 VL 27.687 GAL -4.55 AZL 101.55 MCA 182.02 SMA 128.53 ECC .16738 INC11.5506 V1 30.199
 RP 108.56 LAP .40 LOP 249.56 VP 37.583 GAP 3.61 AZP 78.46 TAL 203.72 TAP 25.74 RCA 107.01 APO 150.04 V2 34.909
 RC 109.770 GL -56.26 GP 75.26 ZAL 106.71 ZAP 102.50 ETS 46.46 ZAE 102.04 ETE 135.81 ZAC 61.65 ETC 241.51 CLP-148.25

PLANETOCENTRIC CONIC

C3 44.162 VML 6.645 DLA -70.18 RAL 346.48 RAD 6568.7 VEL 12.866 PTH 2.34 VHP 9.982 DPA 50.83 RAP 279.60 ECC 1.7268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 22.65 6 37 7 1966.63 29.61 68.23 244.65 157.05 7 9 53 1366.6 36.92 64.75
 157.35 17 5 55 5500.06 29.62 255.85 244.67 157.05 18 37 35 4900.1 36.93 252.38
 22.65 6 37 7 1966.63 29.61 68.23 244.65 157.05 7 9 53 1366.6 36.92 64.75
 157.35 17 5 55 5500.06 29.62 255.85 244.67 157.05 18 37 35 4900.1 36.93 252.38
 22.65 6 37 7 1966.63 29.61 68.23 244.65 157.05 7 9 53 1366.6 36.92 64.75
 157.35 17 5 55 5500.06 29.62 255.85 244.67 157.05 18 37 35 4900.1 36.93 252.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -3.0896 TRA .6491 TC3 -.9522 BAU .6317 SGT 3379.8 SGR 1615.9 SG3 124.9 ST 2709.7 SR 1029.8 SS 870.1
 RDE 1.1294 RRA -.4382 RC3 .4880 FAU .02256 RRT -.9622 RRF -.9950 RTF .9844 CRT -.9892 CRS .9981 CST -.9964
 FDE -1.1279 FRA .3515 FC3 -.4423 BSP 11739 SGB 3746.2 R23 .1263 R13 -.9919 LSA 3022.8 MSA 151.8 SSA .6
 BDE 3.2896 BRA .7832 BC3 1.0699 FSP -405 SG1 3724.9 SG2 399.5 THA 154.99 EL1 2895.4 EL2 141.2 ALF 159.35

LAUNCH DATE NOV 30 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 393.358

RL 147.53 LAL .00 LOL 67.58 VL 27.655 GAL -4.37 AZL 92.40 MCA 185.16 SMA 128.31 ECC .16769 INC 2.4020 V1 30.199
 RP 108.59 LAP .22 LOP 252.73 VP 37.549 GAP 3.90 AZP 87.61 TAL 202.65 TAP 27.81 RCA 106.79 APO 149.82 V2 34.897
 RC 112.133 GL -19.78 GP 48.48 ZAL 122.25 ZAP 117.79 ETS 32.87 ZAE 123.42 ETE 137.08 ZAC 43.52 ETC 216.95 CLP-134.69

PLANETOCENTRIC CONIC

C3 11.670 VML 3.416 DLA -38.63 RAL 311.05 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.040 DPA 25.14 RAP 293.01 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.54 6 20 11 1367.44 30.04 5.00 174.68 115.53 6 42 59 767.4 33.21 356.79
 117.46 12 40 9 5463.65 30.05 252.64 174.69 115.51 14 11 13 4863.7 33.22 244.42
 62.54 6 20 11 1367.44 30.04 5.00 174.68 115.53 6 42 59 767.4 33.21 356.79
 117.46 12 40 9 5463.65 30.05 252.64 174.69 115.51 14 11 13 4863.7 33.22 244.42
 62.54 6 20 11 1367.44 30.04 5.00 174.68 115.53 6 42 59 767.4 33.21 356.79
 117.46 12 40 9 5463.65 30.05 252.64 174.69 115.51 14 11 13 4863.7 33.22 244.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8517 TRA -.3028 TC3 -4.2497 BAU .7427 SGT 3300.6 SGR 1585.5 SG3 343.2 ST 1444.4 SR 586.6 SS 608.4
 RDE .3475 RRA -.0760 RC3 2.1448 FAU .07318 RRT -.9519 RRF -.9994 RTF .9581 CRT -.9760 CRS .9998 CST -.9800
 FDE -.8287 FRA .1388 FC3 -5.4290 BSP 11434 SGB 3661.6 R23 .2308 R13 -.9727 LSA 1666.5 MSA 152.6 SSA 2.6
 BDE .9199 BRA .3122 BC3 4.7603 FSP -1128 SG1 3635.0 SG2 441.0 THA 155.03 EL1 1554.5 EL2 118.7 ALF 158.25

LAUNCH DATE NOV 30 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 399.426

RL 147.53 LAL .00 LOL 67.58 VL 27.622 GAL -4.19 AZL 90.19 MCA 188.33 SMA 128.08 ECC .16814 INC .1871 V1 30.199
 RP 108.63 LAP .03 LOP 255.91 VP 37.515 GAP 4.18 AZP 89.81 TAL 201.56 TAP 29.89 RCA 106.55 APO 149.62 V2 34.886
 RC 114.493 GL -1.67 GP 33.50 ZAL 123.18 ZAP 126.84 ETS 26.86 ZAE 131.72 ETE 147.48 ZAC 36.72 ETC 200.35 CLP-135.98

PLANETOCENTRIC CONIC

C3 10.037 VML 3.168 DLA -20.79 RAL 307.14 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 4.238 DPA 10.59 RAP 297.04 ECC 1.1652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 13 1351.42 6.52 351.57 159.68 117.62 6 36 44 751.4 -40.17 344.79
 90.00 12 14 57 5418.11 28.09 248.89 164.43 86.25 13 45 16 4818.1 27.27 240.32
 100.00 7 21 45 1133.47 5.37 334.92 159.06 119.45 7 40 38 533.5 9.25 328.29
 100.00 13 50 7 5111.29 29.39 226.19 164.31 84.29 15 15 18 4511.3 28.29 217.56
 110.00 8 0 42 1011.40 2.58 323.93 157.32 124.10 8 17 33 411.4 7.03 317.68
 110.00 15 27 39 4806.12 32.64 202.47 163.76 79.24 16 47 45 4206.1 30.81 193.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1905 TRA -.4887 TC3 -5.2127 BAU .7432 SGT 3452.7 SGR 1189.1 SG3 468.5 ST 457.1 SR 87.5 SS 65.4
 RDE .0439 RRA -.0161 RC3 1.8719 FAU .09921 RRT -.9536 RRF -.9984 RTF .9548 CRT -.7058 CRS .7446 CST -.4391
 FDE -.0396 FRA .0301 FC3 -8.5570 BSP 11392 SGB 3651.8 R23 .2622 R13 -.9634 LSA 462.3 MSA 77.6 SSA 33.9
 BDE .1955 BRA .4889 BC3 5.5386 FSP -1533 SG1 3635.9 SG2 339.9 THA 161.65 EL1 461.3 EL2 61.4 ALF 172.16

LAUNCH DATE NOV 30 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 405.480

RL 147.53 LAL .00 LOL 67.58 VL 27.588 GAL -4.00 AZL 89.20 MCA 191.50 SMA 127.85 ECC .16867 INC .8034 V1 30.199
 RP 108.66 LAP -.16 LOP 259.08 VP 37.480 GAP 4.46 AZP 90.79 TAL 200.44 TAP 31.94 RCA 106.29 APO 149.42 V2 34.875
 RC 116.852 GL 7.01 GP 24.81 ZAL 121.22 ZAP 132.47 ETS 22.43 ZAE 134.60 ETE 155.76 ZAC 35.09 ETC 188.18 CLP-138.06

PLANETOCENTRIC CONIC

C3 10.025 VML 3.166 DLA -11.95 RAL 306.71 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 4.043 DPA 2.18 RAP 299.42 ECC 1.1650
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 7 1682.27 -4.10 10.08 157.49 118.04 5 14 9 1082.3 -.32 3.44
 90.00 13 39 35 5086.79 24.37 225.43 160.80 75.12 15 4 22 4486.8 22.09 217.50
 100.00 6 1 22 1439.46 -4.97 351.75 157.02 119.51 6 25 22 839.5 -1.00 345.21
 100.00 15 7 1 4804.83 25.32 204.39 160.50 73.56 16 27 6 4204.8 22.83 196.48
 110.00 6 55 52 1268.80 -7.23 337.42 155.63 123.50 7 17 1 668.8 -2.77 331.16
 110.00 16 29 1 4548.26 27.83 183.97 159.56 69.30 17 44 49 3948.3 24.76 176.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1308 TRA -.5609 TC3 -5.4568 BAU .7567 SGT 3615.7 SGR 918.6 SG3 513.9 ST 404.5 SR 55.4 SS 310.3
 RDE -.0265 RRA -.0058 RC3 1.4484 FAU .10759 RRT -.9544 RRF -.9955 RTF .9550 CRT -.5891 CRS .9475 CST -.6243
 FDE .4812 FRA .0003 FC3 -9.2907 BSP 11689 SGB 3730.6 R23 .2648 R13 -.9597 LSA 466.0 MSA 213.5 SSA 17.5
 BDE .1335 BRA .5609 BC3 5.6458 FSP -1691 SG1 3721.0 SG2 266.5 THA 166.30 EL1 405.9 EL2 44.6 ALF 175.33

LAUNCH DATE NOV 30 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.553 GAL -3.80 AZL 88.63 HCA 194.68 SMA 127.61 ECC .16929 INC 1.3738 V1 30.199
 RP 108.69 LAP -.35 LOP 262.25 VP 37.444 GAP 4.74 AZP 91.33 TAL 199.27 TAP 33.95 RCA 106.01 APO 149.22 V2 34.865
 RC 119.206 GL 11.92 GP 19.37 ZAL 118.94 ZAP 136.46 ETS 19.24 ZAE 135.32 ETE 161.58 ZAC 35.40 ETC 180.10 CLP-140.21

PLANETOCENTRIC CONIC
 C3 10.184 VHL 3.191 OLA -6.75 RAL 307.28 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.021 DPA -3.02 RAP 301.29 ECC 1.1676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 6 46 1854.88 -9.53 19.86 158.13 116.79 4 37 40 1254.9 -5.86 13.11
 90.00 14 23 33 4920.45 21.02 214.39 160.08 70.58 15 45 33 4320.4 18.18 206.87
 100.00 5 24 53 1602.85 -10.35 .90 157.70 118.20 5 51 36 1002.9 -6.50 354.22
 100.00 15 48 6 4647.70 21.89 193.99 159.74 69.12 17 5 34 4047.7 18.85 186.51
 110.00 6 25 46 1412.25 -12.52 345.15 156.41 122.07 6 49 18 812.2 -8.20 338.72
 110.00 17 3 43 4411.08 24.20 174.96 158.68 65.09 18 17 14 3811.1 20.64 167.63

DIFFERENTIAL CORRECTIONS
 TOE .3327 TRA -.5919 TC3-5.6022 BAU .7789
 ROE -.0373 RRA -.0069 RC3 1.1579 FAU .10830
 FOE .7851 FRA .0167 FC3-9.2062 BSP 12179
 BOE .3348 BRA .5920 BC3 5.7206 FSP -1741

MID-COURSE EXECUTION ACCURACY
 SGT 3779.8 SGR 742.1 SG3 522.1
 RRT -.9515 RRF -.9894 RTF .9553
 SGB 3852.0 R23 .2510 R13 -.9581
 SG1 3845.4 SG2 224.4 THA 169.38

ORBIT DETERMINATION ACCURACY
 ST 686.6 SR 70.6 SS 493.5
 CRT -.8491 CRS .9799 CST -.8797
 LSA 825.1 MSA 197.4 SSA 13.8
 EL1 689.2 EL2 37.1 ALF 175.00

LAUNCH DATE NOV 30 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.517 GAL -3.60 AZL 88.26 HCA 197.85 SMA 127.37 ECC .16998 INC 1.7434 V1 30.199
 RP 108.72 LAP -.53 LOP 265.42 VP 37.409 GAP 5.01 AZP 91.66 TAL 198.06 TAP 35.91 RCA 105.72 APO 149.02 V2 34.856
 RC 121.957 GL 15.07 GP 15.71 ZAL 116.66 ZAP 139.59 ETS 16.91 ZAE 135.21 ETE 165.59 ZAC 36.46 ETC 174.81 CLP-142.28

PLANETOCENTRIC CONIC
 C3 10.330 VHL 3.214 OLA -3.23 RAL 308.33 RAD 6567.4 VEL 11.477 PTH 1.99 VHP 4.066 DPA -6.44 RAP 302.98 ECC 1.1700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 16 1968.45 -12.94 26.47 159.57 115.41 4 17 5 1368.5 -9.41 19.56
 90.00 14 54 24 4812.61 18.43 207.54 160.53 68.11 16 14 37 4212.6 15.29 200.27
 100.00 5 4 7 1710.92 -13.75 7.12 159.16 116.80 5 32 37 1110.9 -10.05 .29
 100.00 16 17 15 4545.38 19.27 187.52 160.16 66.69 17 33 1 3945.4 15.95 180.30
 110.00 6 8 54 1508.09 -15.92 350.49 157.93 120.66 6 34 2 908.1 -11.74 343.89
 110.00 17 28 57 4320.97 21.50 169.36 159.03 62.76 18 40 58 3721.0 17.68 162.31

DIFFERENTIAL CORRECTIONS
 TOE .5446 TRA -.5366 TC3-5.5011 BAU .7699
 ROE -.0458 RRA -.0273 RC3 .9030 FAU .09790
 FOE 1.1180 FRA .2195 FC3-8.2048 BSP 11172
 BOE .5465 BRA .5373 BC3 5.5747 FSP -1399

MID-COURSE EXECUTION ACCURACY
 SGT 3790.1 SGR 588.2 SG3 488.3
 RRT -.9354 RRF -.9756 RTF .9435
 SGB 3835.5 R23 .2559 R13 -.9455
 SG1 3830.0 SG2 205.8 THA 171.72

ORBIT DETERMINATION ACCURACY
 ST 1018.0 SR 84.8 SS 703.5
 CRT -.8915 CRS .9851 CST -.9407
 LSA 1223.8 MSA 201.0 SSA 11.5
 EL1 1020.8 EL2 38.3 ALF 175.75

LAUNCH DATE NOV 30 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.480 GAL -3.38 AZL 88.00 HCA 201.02 SMA 127.12 ECC .17078 INC 2.0046 V1 30.199
 RP 108.75 LAP -.72 LOP 268.59 VP 37.373 GAP 5.28 AZP 91.87 TAL 196.83 TAP 37.85 RCA 105.41 APO 148.83 V2 34.846
 RC 123.903 GL 17.27 GP 13.10 ZAL 114.43 ZAP 142.24 ETS 15.18 ZAE 134.73 ETE 168.42 ZAC 37.82 ETC 171.28 CLP-144.27

PLANETOCENTRIC CONIC
 C3 10.453 VHL 3.233 OLA -.60 RAL 309.64 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.144 DPA -8.79 RAP 304.61 ECC 1.1720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 57 2052.39 -15.33 31.47 161.33 114.10 4 4 9 1452.4 -11.95 24.42
 90.00 15 19 8 4733.41 16.35 202.66 161.51 66.55 16 38 1 4133.4 13.04 195.55
 100.00 4 51 1 1790.90 -16.15 11.84 160.94 115.50 5 20 52 1190.9 -12.59 4.86
 100.00 16 40 45 4470.14 17.17 182.91 161.12 65.15 17 55 15 3870.1 13.68 175.86
 110.00 5 58 37 1579.27 -18.35 354.59 159.75 119.36 6 24 56 979.3 -14.30 347.81
 110.00 17 49 38 4254.54 19.38 165.37 159.95 61.27 19 0 33 3654.5 15.40 158.52

DIFFERENTIAL CORRECTIONS
 TOE .6259 TRA -.5657 TC3-5.7831 BAU .8162
 ROE -.0230 RRA -.0217 RC3 .8186 FAU .09898
 FOE 1.1186 FRA .1666 FC3-8.1982 BSP 12649
 BOE .6264 BRA .5661 BC3 5.8407 FSP -1589

MID-COURSE EXECUTION ACCURACY
 SGT 4027.2 SGR 532.3 SG3 489.7
 RRT -.9265 RRF -.9607 RTF .9519
 SGB 4062.3 R23 .2037 R13 -.9531
 SG1 4057.4 SG2 198.8 THA 173.00

ORBIT DETERMINATION ACCURACY
 ST 1154.8 SR 45.3 SS 712.7
 CRT -.8335 CRS .9368 CST -.9527
 LSA 1344.8 MSA 186.9 SSA 13.1
 EL1 1155.4 EL2 25.0 ALF 178.13

LAUNCH DATE NOV 30 1965

FLIGHT TIME 148.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 27.442 GAL -3.16 AZL 87.80 HCA 204.19 SMA 126.87 ECC .17166 INC 2.1998 V1 30.199
 RP 108.78 LAP -.90 LOP 271.76 VP 37.337 GAP 5.54 AZP 92.01 TAL 195.56 TAP 39.75 RCA 105.09 APO 148.65 V2 34.838
 RC 126.245 GL 18.89 GP 11.17 ZAL 112.20 ZAP 144.56 ETS 13.87 ZAE 134.15 ETE 170.46 ZAC 39.33 ETC 168.89 CLP-146.14

PLANETOCENTRIC CONIC
 C3 10.550 VHL 3.248 OLA 1.52 RAL 311.14 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.238 DPA -10.43 RAP 306.25 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 17 2119.82 -17.16 35.57 163.29 112.87 3 55 37 1519.8 -13.92 28.40
 90.00 15 40 49 4669.76 14.58 198.82 162.84 65.46 16 58 39 4069.8 11.15 191.82
 100.00 4 42 20 1855.16 -18.00 15.72 162.91 114.28 5 13 15 1255.2 -14.57 8.61
 100.00 17 1 27 4409.65 15.41 179.29 162.44 64.06 18 14 57 3809.6 11.80 172.36
 110.00 5 52 12 1636.48 -20.22 357.96 161.75 118.17 6 19 28 1036.5 -16.30 351.04
 110.00 18 8 5 4201.09 17.60 162.25 161.23 60.21 19 18 6 3601.1 13.51 155.53

DIFFERENTIAL CORRECTIONS
 TOE .7333 TRA -.5395 TC3-5.9090 BAU .8398
 ROE -.0094 RRA -.0277 RC3 .7296 FAU .09422
 FOE 1.1812 FRA .2303 FC3-7.7318 BSP 13091
 BOE .7333 BRA .5402 BC3 5.9538 FSP -1539

MID-COURSE EXECUTION ACCURACY
 SGT 4161.0 SGR 476.8 SG3 471.1
 RRT -.9045 RRF -.9366 RTF .9515
 SGB 4188.3 R23 .1735 R13 -.9523
 SG1 4183.4 SG2 202.3 THA 174.07

ORBIT DETERMINATION ACCURACY
 ST 1329.6 SR 26.3 SS 766.3
 CRT -.5400 CRS .6987 CST -.9823
 LSA 1523.9 MSA 182.5 SSA 13.7
 EL1 1329.7 EL2 22.1 ALF 179.39

LAUNCH DATE NOV 30 1965

FLIGHT TIME 150.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 435.509

RL 147.53 LAL .00 LOL 67.58 VL 27.404 GAL -2.92 AZL 87.65 HCA 207.36 SMA 126.62 ECC .17264 INC 2.3520 V1 30.199
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.302 GAP 5.80 AZP 92.09 TAL 194.25 TAP 41.61 RCA 104.76 APO 148.48 V2 34.830
 RC 128.581 GL 20.13 GP 9.69 ZAL 109.95 ZAP 146.64 ETS 12.86 ZAE 133.53 ETE 171.96 ZAC 40.93 ETC 167.25 CLP-147.92

PLANETOCENTRIC CONIC

C3 10.636 VHL 3.261 DLA 3.31 RAL 312.81 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.344 DPA -11.60 RAP 307.93 ECC 1.1750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 34 2177.19 -18.64 39.13 165.41 111.71 3 49 51 1577.2 -15.53 31.83
 90.00 16 0 47 4615.67 13.03 195.61 164.41 64.64 17 17 43 4015.7 9.51 188.70
 100.00 4 36 27 1909.83 -19.49 19.09 165.04 113.12 5 8 17 1309.8 -16.20 11.85
 100.00 17 20 35 4358.27 13.86 176.26 163.99 63.25 18 33 13 3758.3 10.16 169.43
 110.00 5 48 15 1685.12 -21.76 .90 163.90 117.04 6 16 20 1085.1 -17.96 353.83
 110.00 18 25 17 4155.74 16.05 159.65 162.75 59.41 19 34 32 3555.7 11.87 153.04

DIFFERENTIAL CORRECTIONS

TDE .8328 TRA -1.5003 TC3-6.0241 BAU .8618
 RDE .0039 RRA -.0342 RC3 .6646 FAU .08915
 FDE 1.2200 FRA .2986 FC3-7.2569 BSP 13477
 BDE .8328 BRA .5014 BC3 6.0607 FSP -1477

MID-COURSE EXECUTION ACCURACY

SGT 4284.3 SGR 437.7 SG3 451.2
 RRT -.8747 RRF -.9051 RTF .9507
 SGB 4306.6 R23 .1474 R13 -.9514
 SG1 4301.4 SG2 211.3 THA 174.88

ORBIT DETERMINATION ACCURACY

ST 1491.3 SR 23.3 SS 808.4
 CRT .3806 CRS -.1978 CST -.9685
 LSA 1687.0 MSA 178.7 SSA 14.4
 EL1 1491.4 EL2 21.5 ALF .34

LAUNCH DATE NOV 30 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 441.466

RL 147.53 LAL .00 LOL 67.58 VL 27.366 GAL -2.68 AZL 87.53 HCA 210.53 SMA 126.36 ECC .17372 INC 2.4749 V1 30.199
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.267 GAP 6.06 AZP 92.13 TAL 192.92 TAP 43.45 RCA 104.41 APO 148.32 V2 34.822
 RC 130.911 GL 21.13 GP 8.52 ZAL 107.67 ZAP 148.54 ETS 12.09 ZAE 132.94 ETE 173.10 ZAC 42.60 ETC 166.13 CLP-149.60

PLANETOCENTRIC CONIC

C3 10.720 VHL 3.274 DLA 4.89 RAL 314.60 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.457 DPA -12.43 RAP 309.65 ECC 1.1764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 50 2228.21 -19.90 42.35 167.65 110.57 3 45 58 1628.2 -16.92 34.94
 90.00 16 19 49 4567.84 11.62 192.80 166.17 63.99 17 35 57 3967.8 .803 185.96
 100.00 4 32 28 1958.41 -20.76 22.15 167.29 112.00 5 5 7 1358.4 -17.60 14.78
 100.00 17 38 51 4312.86 12.45 173.63 165.75 62.60 18 50 44 3712.9 8.68 166.87
 110.00 5 46 0 1728.30 -23.07 3.57 166.19 115.95 6 14 48 1128.3 -19.39 356.36
 110.00 18 41 49 4115.74 14.65 157.40 164.47 58.76 19 50 25 3515.7 10.40 150.87

DIFFERENTIAL CORRECTIONS

TDE .9256 TRA -.4516 TC3-6.1338 BAU .8835
 RDE .0167 RRA -.0409 RC3 .6162 FAU .08418
 FDE 1.2403 FRA .3653 FC3-6.7982 BSP 13856
 BDE .9256 BRA .4535 BC3 6.1646 FSP -1415

MID-COURSE EXECUTION ACCURACY

SGT 4402.9 SGR 410.9 SG3 431.5
 RRT -.8381 RRF -.8669 RTF .9499
 SGB 4422.0 R23 .1259 R13 -.9504
 SG1 4416.3 SG2 223.5 THA 175.52

ORBIT DETERMINATION ACCURACY

ST 1641.6 SR 38.3 SS 840.8
 CRT .8119 CRS -.6903 CST -.9727
 LSA 1836.4 MSA 175.3 SSA 15.1
 EL1 1641.9 EL2 22.4 ALF 1.09

LAUNCH DATE NOV 30 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 447.407

RL 147.53 LAL .00 LOL 67.58 VL 27.327 GAL -2.42 AZL 87.42 HCA 213.70 SMA 126.11 ECC .17491 INC 2.5766 V1 30.199
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.232 GAP 6.31 AZP 92.14 TAL 191.55 TAP 45.25 RCA 104.05 APO 148.17 V2 34.816
 RC 133.236 GL 21.92 GP 7.59 ZAL 105.35 ZAP 150.29 ETS 11.49 ZAE 132.38 ETE 173.97 ZAC 44.32 ETC 165.37 CLP-151.19

PLANETOCENTRIC CONIC

C3 10.810 VHL 3.288 DLA 6.33 RAL 316.51 RAD 6567.4 VEL 11.498 PTH 2.00 VHP 4.576 DPA -12.99 RAP 311.42 ECC 1.1779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 32 2275.13 -20.99 45.35 170.03 109.45 3 43 27 1675.1 -18.15 37.83
 90.00 16 38 20 4524.32 10.31 190.28 168.11 63.48 17 53 45 3924.3 6.66 183.49
 100.00 4 29 53 2003.07 -21.87 25.00 169.68 110.90 5 3 16 1403.1 -18.84 17.52
 100.00 17 56 40 4271.62 11.14 171.26 167.67 62.08 19 7 52 3671.6 7.32 164.56
 110.00 5 45 0 1767.94 -24.23 6.06 168.60 114.89 6 14 28 1167.9 -20.67 358.73
 110.00 18 58 2 4079.51 13.36 155.38 166.37 58.24 20 6 2 3479.5 9.06 148.92

DIFFERENTIAL CORRECTIONS

TDE 1.0131 TRA -.3944 TC3-6.2366 BAU .9052
 RDE .0292 RRA -.0477 RC3 .5794 FAU .07949
 FDE 1.2460 FRA .4283 FC3-6.3660 BSP 14260
 BDE 1.0136 BRA .3972 BC3 6.2634 FSP -1361

MID-COURSE EXECUTION ACCURACY

SGT 4518.1 SGR 393.4 SG3 412.6
 RRT -.7960 RRF -.8238 RTF .9493
 SGB 4535.2 R23 .1090 R13 -.9497
 SG1 4528.9 SG2 237.5 THA 176.02

ORBIT DETERMINATION ACCURACY

ST 1782.0 SR 57.8 SS 864.5
 CRT .9077 CRS -.8166 CST -.9759
 LSA 1973.9 MSA 171.8 SSA 15.8
 EL1 1782.8 EL2 24.3 ALF 1.69

LAUNCH DATE NOV 30 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 453.333

RL 147.53 LAL .00 LOL 67.58 VL 27.287 GAL -2.15 AZL 87.34 HCA 216.86 SMA 125.85 ECC .17621 INC 2.6627 V1 30.199
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.197 GAP 6.57 AZP 92.13 TAL 190.16 TAP 47.03 RCA 103.67 APO 148.03 V2 34.809
 RC 135.553 GL 22.55 GP 6.82 ZAL 102.97 ZAP 151.93 ETS 11.03 ZAE 131.87 ETE 174.65 ZAC 46.09 ETC 164.86 CLP-152.71

PLANETOCENTRIC CONIC

C3 10.914 VHL 3.304 DLA 7.66 RAL 318.52 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.699 DPA -13.35 RAP 313.24 ECC 1.1796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 18 2319.41 -21.97 48.23 172.53 108.33 3 41 57 1719.4 -19.26 40.61
 90.00 16 56 39 4483.96 9.07 187.96 170.21 63.06 18 11 23 3884.0 5.39 181.22
 100.00 4 28 20 2045.17 -22.87 27.73 172.20 109.79 5 2 25 1445.2 -19.97 20.14
 100.00 18 14 19 4233.43 9.92 169.09 169.76 61.66 19 24 52 3633.4 6.06 162.43
 110.00 5 44 59 1805.27 -25.27 8.46 171.14 113.82 6 15 4 1205.3 -21.84 .99
 110.00 19 14 9 4046.09 12.15 153.54 168.43 57.80 20 21 35 3446.1 7.82 147.13

DIFFERENTIAL CORRECTIONS

TDE 1.1025 TRA -.3244 TC3-6.3131 BAU .9246
 RDE .0407 RRA -.0551 RC3 .5485 FAU .07472
 FDE 1.2507 FRA .4953 FC3-5.9275 BSP 14566
 BDE 1.1032 BRA .3290 BC3 6.3369 FSP -1297

MID-COURSE EXECUTION ACCURACY

SGT 4623.5 SGR 381.6 SG3 394.0
 RRT -.7494 RRF -.7758 RTF .9482
 SGB 4639.2 R23 .0953 R13 -.9485
 SG1 4632.4 SG2 252.2 THA 176.45

ORBIT DETERMINATION ACCURACY

ST 1923.7 SR 57.0 SS 888.3
 CRT .9345 CRS -.8559 CST -.9784
 LSA 2113.5 MSA 168.9 SSA 16.5
 EL1 1925.1 EL2 27.4 ALF 2.14

LAUNCH DATE NOV 30 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 459.242

RL 147.53 LAL .00 LOL 67.58 VL 27.248 GAL -1.88 AZL 87.26 HCA 220.03 SMA 125.59 ECC .17764 INC 2.7369 VI 30.199
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.163 GAP 6.82 AZP 92.10 TAL 188.75 TAP 48.78 RCA 103.28 APO 147.90 V2 34.804
 RC 137.863 GL 23.04 GP 6.18 ZAL 100.55 ZAP 153.47 ETS 10.68 ZAE 131.41 ETE 175.20 ZAC 47.90 ETC 164.54 CLP-154.15

PLANETOCENTRIC CONIC

C3 11.038 VHL 3.322 DLA 8.91 RAL 320.64 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.827 DPA -13.55 RAP 315.11 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 55 2361.99 -22.85 51.04 175.17 107.19 3 41 17 1762.0 -20.28 43.31
 90.00 17 14 55 4446.04 7.89 185.79 172.47 62.72 18 29 2 3846.0 4.18 179.09
 100.00 4 27 36 2085.63 -23.78 30.39 174.85 108.67 5 2 22 1485.6 -21.01 22.69
 100.00 18 31 55 4197.63 8.75 167.07 172.01 61.30 19 41 53 3597.6 4.86 160.45
 110.00 5 45 45 1841.10 -26.24 10.80 173.82 112.74 6 16 26 1241.1 -22.93 3.20
 110.00 19 30 16 4014.93 11.02 151.84 170.65 57.44 20 37 11 3414.9 6.65 145.48

DIFFERENTIAL CORRECTIONS

TDE 1.1878 TRA -1.2480 TC3-6.3780 BAU .9444
 RDE .0520 RRA -.0623 RC3 .5232 FAU .07036
 FDE 1.2445 FRA .5546 FC3-5.5183 BSP 14904
 BDE 1.1889 BRA .2557 BC3 6.3994 FSP -1241

MID-COURSE EXECUTION ACCURACY

SGT 4727.0 SGR 375.1 SG3 376.5
 RRT -.7006 RRF -.7264 RTF .9475
 SGB 4741.8 R23 .0846 R13 -.9478
 SG1 4734.3 SG2 267.3 THA 176.81

ORBIT DETERMINATION ACCURACY

ST 2056.4 SR 96.1 SS 904.4
 CRT .9454 CRS -.8737 CST -.9805
 LSA 2242.4 MSA 165.7 SSA 17.1
 EL1 2058.4 EL2 31.3 ALF 2.53

LAUNCH DATE NOV 30 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 465.136

RL 147.53 LAL .00 LOL 67.58 VL 27.208 GAL -1.59 AZL 87.20 HCA 223.19 SMA 125.33 ECC .17919 INC 2.8019 VI 30.199
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.129 GAP 7.08 AZP 92.04 TAL 187.31 TAP 50.50 RCA 102.88 APO 147.79 V2 34.799
 RC 140.164 GL 23.42 GP 5.64 ZAL 98.08 ZAP 154.93 ETS 10.44 ZAE 130.99 ETE 175.64 ZAC 49.76 ETC 164.37 CLP-155.53

PLANETOCENTRIC CONIC

C3 11.190 VHL 3.345 DLA 10.10 RAL 322.85 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 4.958 DPA -13.61 RAP 317.02 ECC 1.1842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 13 2403.52 -23.66 53.82 177.95 106.03 3 41 16 1803.5 -21.24 45.98
 90.00 17 33 15 4410.14 6.77 183.76 174.88 62.44 18 46 45 3810.1 3.02 177.08
 100.00 4 27 33 2125.05 -24.61 33.02 177.63 107.52 5 2 58 1525.1 -21.98 25.21
 100.00 18 49 36 4163.84 7.64 165.17 174.40 61.01 19 59 0 3563.8 3.72 158.58
 110.00 5 47 9 1875.97 -27.14 13.11 176.63 111.63 6 18 25 1276.0 -23.95 5.39
 110.00 19 46 29 3985.69 9.94 150.26 173.01 57.13 20 52 55 3385.7 5.54 143.94

DIFFERENTIAL CORRECTIONS

TDE 1.2735 TRA -1.1632 TC3-6.4218 BAU .9636
 RDE .0631 RRA -.0695 RC3 .5008 FAU .06624
 FDE 1.2355 FRA .6100 FC3-5.1247 BSP 15254
 BDE 1.2750 BRA .1774 BC3 6.4413 FSP -1193

MID-COURSE EXECUTION ACCURACY

SGT 4826.7 SGR 372.2 SG3 360.0
 RRT -.6509 RRF -.6761 RTF .9470
 SGB 4841.1 R23 .0757 R13 -.9472
 SG1 4832.8 SG2 282.2 THA 177.12

ORBIT DETERMINATION ACCURACY

ST 2186.7 SR 114.4 SS 917.8
 CRT .9491 CRS -.8813 CST -.9823
 LSA 2368.6 MSA 162.5 SSA 17.7
 EL1 2189.4 EL2 36.0 ALF 2.84

LAUNCH DATE NOV 30 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 471.013

RL 147.53 LAL .00 LOL 67.58 VL 27.167 GAL -1.29 AZL 87.14 HCA 226.35 SMA 125.08 ECC .18089 INC 2.8597 VI 30.199
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.095 GAP 7.33 AZP 91.97 TAL 185.85 TAP 52.20 RCA 102.45 APO 147.70 V2 34.795
 RC 142.456 GL 23.69 GP 5.19 ZAL 95.56 ZAP 156.30 ETS 10.28 ZAE 130.62 ETE 176.00 ZAC 51.65 ETC 164.29 CLP-156.85

PLANETOCENTRIC CONIC

C3 11.373 VHL 3.373 DLA 11.23 RAL 325.14 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 5.094 DPA -13.56 RAP 318.96 ECC 1.1872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 5 2444.44 -24.40 56.59 180.85 104.83 3 41 49 1844.4 -22.13 48.65
 90.00 17 51 42 4376.01 5.69 181.83 177.43 62.21 19 4 38 3776.0 1.93 175.17
 100.00 4 28 5 2163.87 -25.38 35.65 180.55 106.34 5 4 8 1563.9 -22.90 27.73
 100.00 19 7 23 4131.82 6.58 163.39 176.94 60.78 20 16 15 3531.8 2.64 156.82
 110.00 5 49 7 1910.26 -27.97 15.42 179.59 110.50 6 20 58 1310.3 -24.93 7.58
 110.00 20 2 50 3958.19 8.92 148.79 175.51 56.86 21 8 48 3358.2 4.50 142.49

DIFFERENTIAL CORRECTIONS

TDE 1.3583 TRA -.0694 TC3-6.4453 BAU .9829
 RDE .0740 RRA -.0769 RC3 .4802 FAU .06243
 FDE 1.2225 FRA .6631 FC3-4.7512 BSP 15592
 BDE 1.3604 BRA .1036 BC3 6.4632 FSP -1147

MID-COURSE EXECUTION ACCURACY

SGT 4923.6 SGR 372.1 SG3 344.6
 RRT -.6016 RRF -.6267 RTF .9467
 SGB 4937.6 R23 .0690 R13 -.9469
 SG1 4928.7 SG2 296.9 THA 177.39

ORBIT DETERMINATION ACCURACY

ST 2311.5 SR 132.3 SS 927.4
 CRT .9494 CRS -.8840 CST -.9838
 LSA 2488.9 MSA 159.7 SSA 18.3
 EL1 2314.9 EL2 41.5 ALF 3.11

LAUNCH DATE NOV 30 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 476.874

RL 147.53 LAL .00 LOL 67.58 VL 27.127 GAL -.98 AZL 87.09 HCA 229.52 SMA 124.82 ECC .18273 INC 2.9117 VI 30.199
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.063 GAP 7.59 AZP 91.89 TAL 184.37 TAP 53.89 RCA 102.01 APO 147.63 V2 34.791
 RC 144.737 GL 23.86 GP 4.80 ZAL 92.99 ZAP 157.62 ETS 10.20 ZAE 130.29 ETE 176.30 ZAC 53.58 ETC 164.28 CLP-158.11

PLANETOCENTRIC CONIC

C3 11.600 VHL 3.406 DLA 12.32 RAL 327.52 RAD 6567.4 VEL 11.532 PTH 2.01 VHP 5.233 DPA -13.41 RAP 320.95 ECC 1.1909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 27 2485.05 -25.08 59.37 183.89 103.60 3 42 52 1885.0 -22.96 51.34
 90.00 18 10 18 4343.55 4.66 180.00 180.13 62.04 19 22 41 3743.6 .88 173.36
 100.00 4 29 6 2202.35 -26.09 38.29 183.61 105.13 5 5 48 1602.3 -23.76 30.26
 100.00 19 25 19 4101.48 5.57 161.70 179.63 60.58 20 33 41 3501.5 1.61 155.15
 110.00 5 51 36 1944.22 -28.76 17.75 182.68 109.32 6 24 0 1344.2 -25.86 9.78
 110.00 20 19 19 3932.38 7.96 147.41 178.16 56.65 21 24 51 3332.4 3.52 141.14

DIFFERENTIAL CORRECTIONS

TDE 1.4441 TRA -.0334 TC3-6.4399 BAU 1.0013
 RDE .0849 RRA -.0842 RC3 .4599 FAU .05876
 FDE 1.2084 FRA .7140 FC3-4.3853 BSP 15925
 BDE 1.4466 BRA .0906 BC3 6.4563 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 5014.8 SGR 373.6 SG3 329.8
 RRT -.5529 RRF -.5778 RTF .9463
 SGB 5028.7 R23 .0631 R13 -.9465
 SG1 5019.1 SG2 311.0 THA 177.63

ORBIT DETERMINATION ACCURACY

ST 2432.9 SR 149.5 SS 934.9
 CRT .9478 CRS -.8838 CST -.9852
 LSA 2605.8 MSA 157.2 SSA 18.7
 EL1 2437.0 EL2 47.6 ALF 3.34

LAUNCH DATE NOV 30 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 482.718

RL 147.53 LAL .00 LOL 67.58 VL 27.087 GAL -.65 AZL 87.04 HCA 232.68 SMA 124.56 ECC .18472 INC 2.9590 V1 30.199
 RP 108.95 LAP -2.35 LOP 300.22 VP 37.031 GAP 7.85 AZP 91.79 TAL 182.87 TAP 55.55 RCA 101.55 APO 147.57 V2 34.788
 RC 147.008 GL 23.94 GP 4.46 ZAL 90.39 ZAP 158.87 ETS 10.18 ZAE 130.00 ETE 176.55 ZAC 55.55 ETC 164.34 CLP-159.32

PLANETOCENTRIC CONIC

C3 11.871 VHL 3.445 OLA 13.37 RAL 329.97 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 5.376 DPA -13.17 RAP 322.96 ECC 1.1954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 15 2525.53 -25.70 62.17 187.07 102.32 3 44 20 1925.5 -23.74 54.05
 90.00 18 29 2 4312.73 3.67 178.28 182.97 61.90 19 40 54 3712.7 -12 171.64
 100.00 4 30 34 2240.67 -26.75 40.95 186.80 103.87 5 7 55 1640.7 -24.57 32.82
 100.00 19 43 23 4072.83 4.61 160.12 182.45 60.43 20 51 16 3472.8 .64 153.58
 110.00 5 54 31 1978.00 -29.50 20.11 185.90 108.11 6 27 29 1378.0 -26.74 12.01
 110.00 20 35 56 3908.26 7.05 146.13 180.94 56.47 21 41 4 3308.3 2.60 139.88

DIFFERENTIAL CORRECTIONS

TDE 1.5327 TRA .1477 TC3-6.3976 BAU 1.0177
 RDE .0957 RRA -.0916 RC3 .4390 FAU .05517
 FDE 1.1951 FRA .7650 FC3-4.0232 BSP 16189
 BDE 1.5357 BRA .1738 BC3 6.4126 FSP -1056

MID-COURSE EXECUTION ACCURACY

SGT 5098.6 SGR 376.0 SG3 315.6
 RRT -.5046 RRF -.5293 RTF .9459
 SGB 5112.4 R23 .0580 R13 -.9460
 SG1 5102.1 SG2 324.4 THA 177.86

ORBIT DETERMINATION ACCURACY

ST 2553.4 SR 166.2 SS 941.7
 CRT .9447 CRS -.8818 CST -.9864
 LSA 2722.0 MSA 155.3 SSA 19.1
 EL1 2558.2 EL2 54.4 ALF 3.52

LAUNCH DATE NOV 30 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 488.545

RL 147.53 LAL .00 LOL 67.58 VL 27.047 GAL -.31 AZL 87.00 HCA 235.84 SMA 124.31 ECC .18689 INC 3.0025 V1 30.199
 RP 108.94 LAP -2.48 LOP 303.38 VP 36.999 GAP 8.12 AZP 91.69 TAL 181.35 TAP 57.19 RCA 101.08 APO 147.54 V2 34.786
 RC 149.266 GL 23.93 GP 4.16 ZAL 87.75 ZAP 160.07 ETS 10.23 ZAE 129.75 ETE 176.77 ZAC 57.55 ETC 164.43 CLP-160.49

PLANETOCENTRIC CONIC

C3 12.195 VHL 3.492 OLA 14.36 RAL 332.48 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 5.524 DPA -12.86 RAP 324.99 ECC 1.2007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 27 2565.99 -26.26 65.00 190.37 101.01 3 46 13 1966.0 -24.47 56.79
 90.00 18 47 53 4283.63 2.74 176.65 185.95 61.80 19 59 16 3683.6 -1.06 170.02
 100.00 4 32 28 2278.93 -27.34 43.63 190.12 102.58 5 10 27 1678.9 -25.33 35.41
 100.00 20 1 33 4045.92 3.71 158.63 185.41 60.32 21 8 59 3445.9 -.27 152.11
 110.00 5 57 52 2011.69 -30.19 22.49 189.26 106.85 6 31 24 1411.7 -27.59 14.26
 110.00 20 52 38 3885.92 6.21 144.94 183.86 56.32 21 57 24 3285.9 1.74 138.71

DIFFERENTIAL CORRECTIONS

TDE 1.6216 TRA .2693 TC3-6.3296 BAU 1.0342
 RDE .1069 RRA -.0988 RC3 .4178 FAU .05179
 FDE 1.1805 FRA .8104 FC3-3.6765 BSP 16506
 BDE 1.6251 BRA .2868 BC3 6.3433 FSP -1021

MID-COURSE EXECUTION ACCURACY

SGT 5179.7 SGR 379.3 SG3 302.1
 RRT -.4579 RRF -.4819 RTF .9457
 SGB 5193.6 R23 .0529 R13 -.9459
 SG1 5182.7 SG2 337.0 THA 178.07

ORBIT DETERMINATION ACCURACY

ST 2667.4 SR 182.6 SS 945.8
 CRT .9413 CRS -.8796 CST -.9875
 LSA 2831.8 MSA 153.5 SSA 19.3
 EL1 2673.0 EL2 61.5 ALF 3.69

LAUNCH DATE NOV 30 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 494.353

RL 147.53 LAL .00 LOL 67.58 VL 27.006 GAL .04 AZL 86.96 HCA 239.00 SMA 124.06 ECC .18924 INC 3.0428 V1 30.199
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.968 GAP 8.39 AZP 91.57 TAL 179.82 TAP 58.82 RCA 100.58 APO 147.53 V2 34.785
 RC 151.511 GL 23.84 GP 3.91 ZAL 85.09 ZAP 161.22 ETS 10.35 ZAE 129.52 ETE 176.95 ZAC 59.58 ETC 164.55 CLP-161.62

PLANETOCENTRIC CONIC

C3 12.579 VHL 3.547 OLA 15.32 RAL 335.05 RAD 6567.5 VEL 11.574 PTH 2.02 VHP 5.677 DPA -12.48 RAP 327.05 ECC 1.2070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 2 2606.45 -26.75 67.86 193.80 99.65 3 48 28 2006.5 -25.14 59.56
 90.00 19 6 48 4256.35 1.86 175.12 189.05 61.74 20 17 44 3656.4 -1.94 168.50
 100.00 4 34 44 2317.15 -27.88 46.35 193.56 101.25 5 13 22 1717.2 -26.04 38.03
 100.00 20 19 46 4020.88 2.86 157.26 188.49 60.23 21 26 47 3420.9 -1.12 150.73
 110.00 6 1 37 2045.33 -30.83 24.90 192.76 105.56 6 35 42 1445.3 -28.39 16.55
 110.00 21 9 23 3865.47 5.44 143.87 186.89 56.20 22 13 49 3265.5 .96 137.64

DIFFERENTIAL CORRECTIONS

TDE 1.7208 TRA .4034 TC3-6.2039 BAU 1.0454
 RDE .1177 RRA -.1061 RC3 .3928 FAU .04734
 FDE 1.1843 FRA .8649 FC3-3.2584 BSP 16406
 BDE 1.7248 BRA .4171 BC3 6.2163 FSP -895

MID-COURSE EXECUTION ACCURACY

SGT 5248.8 SGR 381.3 SG3 287.9
 RRT -.4086 RRF -.4233 RTF .9417
 SGB 5262.6 R23 .0403 R13 -.9418
 SG1 5251.1 SG2 347.8 THA 178.29

ORBIT DETERMINATION ACCURACY

ST 2790.3 SR 197.6 SS 962.9
 CRT .9367 CRS -.8763 CST -.9886
 LSA 2954.4 MSA 153.4 SSA 19.8
 EL1 2796.5 EL2 69.0 ALF 3.80

LAUNCH DATE NOV 30 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 500.143

RL 147.53 LAL .00 LOL 67.58 VL 26.966 GAL .41 AZL 86.92 HCA 242.16 SMA 123.80 ECC .19178 INC 3.0806 V1 30.199
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.938 GAP 8.66 AZP 91.44 TAL 178.28 TAP 60.44 RCA 100.06 APO 147.55 V2 34.784
 RC 153.743 GL 23.67 GP 3.68 ZAL 82.41 ZAP 162.33 ETS 10.52 ZAE 129.33 ETE 177.12 ZAC 61.63 ETC 164.69 CLP-162.71

PLANETOCENTRIC CONIC

C3 13.031 VHL 3.610 OLA 16.22 RAL 337.67 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 5.835 DPA -12.04 RAP 329.13 ECC 1.2145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 59 2646.93 -27.18 70.75 197.34 98.27 3 51 5 2046.9 -25.75 62.37
 90.00 19 25 44 4231.00 1.04 173.71 192.28 61.70 20 36 15 3631.0 -2.75 167.08
 100.00 4 37 24 2355.35 -28.36 49.09 197.13 99.88 5 16 39 1755.4 -26.70 40.68
 100.00 20 38 0 3997.82 2.08 155.99 191.70 60.17 21 44 38 3397.8 -1.90 149.47
 110.00 6 5 45 2078.91 -31.42 27.34 196.37 104.22 6 40 24 1478.9 -29.14 18.87
 110.00 21 26 8 3847.02 4.74 142.90 190.04 56.11 22 30 15 3247.0 .26 136.68

DIFFERENTIAL CORRECTIONS

TDE 1.8048 TRA .5464 TC3-6.0915 BAU 1.0632
 RDE .1303 RRA -.1127 RC3 .3723 FAU .04535
 FDE 1.1512 FRA .9036 FC3-3.0131 BSP 16938
 BDE 1.8095 BRA .5579 BC3 6.1029 FSP -931

MID-COURSE EXECUTION ACCURACY

SGT 5325.7 SGR 387.0 SG3 277.3
 RRT -.3678 RRF -.3905 RTF .9448
 SGB 5339.7 R23 .0446 R13 -.9449
 SG1 5327.6 SG2 359.7 THA 178.46

ORBIT DETERMINATION ACCURACY

ST 2880.4 SR 214.4 SS 949.0
 CRT .9332 CRS -.8730 CST -.9893
 LSA 3036.4 MSA 152.6 SSA 19.5
 EL1 2887.3 EL2 76.9 ALF 3.98

LAUNCH DATE NOV 30 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 23 1966

MELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.926 GAL .79 AZL 86.88 MCA 245.32 SMA 123.55 ECC .19453 INC 3.1162 V1 30.199
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.909 GAP 8.95 AZP 91.30 TAL 176.72 TAP 62.04 RCA 99.52 APO 147.59 V2 34.784
 RC 155.962 GL 23.42 GP 3.48 ZAL 79.73 ZAP 163.41 ETS 10.76 ZAE 129.16 ETE 177.26 ZAC 63.72 ETC 164.84 CLP-163.77

PLANETOCENTRIC CONIC
 C3 13.559 VHL 3.682 DLA 17.08 RAL 340.32 RAD 6567.5 VEL 11.617 PTH 2.04 VHP 5.998 DPA -11.54 RAP 331.23 ECC 1.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 16 2687.36 -27.54 73.65 200.99 96.86 3 54 4 2087.4 -26.31 65.20
 90.00 19 44 36 4207.81 .29 172.42 195.62 61.68 20 54 44 3607.8 -3.50 165.78
 100.00 4 40 25 2393.46 -28.77 51.84 200.80 98.49 5 20 18 1793.5 -27.30 43.35
 100.00 20 56 9 3976.95 1.37 154.84 195.01 60.14 22 2 26 3376.9 -2.61 148.32
 110.00 6 10 14 2112.41 -31.95 29.81 200.10 102.85 6 45 27 1512.4 -29.85 21.22
 110.00 21 42 49 3830.76 4.12 142.04 193.30 56.04 22 46 39 3230.8 -1.37 135.83

DIFFERENTIAL CORRECTIONS
 TDE 1.8965 TRA .6973 TC3-5.9347 BAU 1.0777 SGT 5394.3 SGR 391.0 SG3 266.0 ST 2973.3 SR 230.0 SS 947.2
 RDE .1429 RRA -.1190 RC3 .3486 FAU .04248 RRT -.3251 RRF -.3469 RTF .9448 CRT .9293 CRS -.8703 CST -.9901
 FDE 1.1359 FRA .9447 FC3-2.7121 BSP 17193 SGB 5408.4 R23 .0405 R13 -.9449 LSA 3125.2 MSA 152.7 SSA 19.5
 BDE 1.9018 BRA .7074 BC3 5.9449 FSP -895 SG1 5395.8 SG2 369.6 THA 178.64 EL1 2981.0 EL2 84.7 ALF 4.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 25 1966

MELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.886 GAL 1.19 AZL 86.85 MCA 248.48 SMA 123.31 ECC .19751 INC 3.1500 V1 30.199
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.881 GAP 9.24 AZP 91.16 TAL 175.15 TAP 63.63 RCA 98.95 APO 147.66 V2 34.785
 RC 158.168 GL 23.10 GP 3.30 ZAL 77.05 ZAP 164.45 ETS 11.06 ZAE 129.01 ETE 177.39 ZAC 65.83 ETC 165.00 CLP-164.80

PLANETOCENTRIC CONIC
 C3 14.174 VHL 3.765 DLA 17.88 RAL 343.00 RAD 6567.6 VEL 11.643 PTH 2.04 VHP 6.169 DPA -10.99 RAP 333.33 ECC 1.2333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 55 2727.67 -27.83 76.56 204.73 95.43 3 57 23 2127.7 -26.79 68.05
 90.00 20 3 19 4186.95 -.38 171.25 199.06 61.69 21 13 6 3586.9 -4.18 164.61
 100.00 4 43 48 2431.42 -29.12 54.61 204.57 97.07 5 24 19 1831.4 -27.84 46.04
 100.00 21 14 8 3958.43 .75 153.83 198.43 60.12 22 20 7 3358.4 -3.23 147.30
 110.00 6 15 5 2145.78 -32.43 32.29 203.94 101.46 6 50 51 1545.8 -30.51 23.60
 110.00 21 59 20 3816.83 3.59 141.31 196.66 55.98 23 2 57 3216.8 -.90 135.11

DIFFERENTIAL CORRECTIONS
 TDE 1.9894 TRA .8603 TC3-5.7474 BAU 1.0908 SGT 5457.7 SGR 394.9 SG3 255.2 ST 3058.3 SR 245.3 SS 942.9
 RDE .1563 RRA -.1248 RC3 .3240 FAU .03970 RRT -.2833 RRF -.3044 RTF .9448 CRT .9253 CRS -.8673 CST -.9908
 FDE 1.1196 FRA .9860 FC3-2.4247 BSP 17421 SGB 5472.0 R23 .0370 R13 -.9448 LSA 3206.0 MSA 153.6 SSA 19.4
 BDE 1.9955 BRA .8693 BC3 5.7565 FSP -861 SG1 5458.9 SG2 378.6 THA 178.82 EL1 3066.8 EL2 92.8 ALF 4.25

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 27 1966

MELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.846 GAL 1.61 AZL 86.82 MCA 251.65 SMA 123.06 ECC .20074 INC 3.1824 V1 30.199
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.853 GAP 9.54 AZP 91.00 TAL 173.57 TAP 65.21 RCA 98.36 APO 147.77 V2 34.787
 RC 160.359 GL 22.71 GP 3.14 ZAL 74.39 ZAP 165.46 ETS 11.44 ZAE 128.89 ETE 177.50 ZAC 67.96 ETC 165.16 CLP-165.80

PLANETOCENTRIC CONIC
 C3 14.885 VHL 3.858 DLA 18.62 RAL 345.69 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 6.346 DPA -10.40 RAP 335.45 ECC 1.2450
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 14 56 2767.75 -28.06 79.47 208.56 93.98 4 1 4 2167.7 -27.21 70.91
 90.00 20 21 49 4168.61 -.98 170.23 202.60 61.70 21 31 17 3568.6 -4.75 163.59
 100.00 4 47 32 2469.12 -29.40 57.38 208.43 95.64 5 28 41 1869.1 -28.31 48.74
 100.00 21 31 54 3942.46 .20 152.95 201.94 60.11 22 37 36 3342.5 -3.77 146.42
 110.00 6 20 17 2178.96 -32.85 34.79 207.88 100.03 6 56 36 1579.0 -31.12 25.99
 110.00 22 15 38 3805.39 3.16 140.71 200.10 55.95 23 19 4 3205.4 -1.34 134.51

DIFFERENTIAL CORRECTIONS
 TDE 2.0813 TRA 1.0323 TC3-5.5379 BAU 1.1037 SGT 5516.4 SGR 398.5 SG3 244.8 ST 3131.4 SR 260.5 SS 935.7
 RDE .1704 RRA -.1301 RC3 .2989 FAU .03710 RRT -.2426 RRF -.2631 RTF .9450 CRT .9216 CRS -.8648 CST -.9915
 FDE 1.1019 FRA 1.0242 FC3-2.1578 BSP 17661 SGB 5530.8 R23 .0338 R13 -.9451 LSA 3274.9 MSA 154.9 SSA 19.1
 BDE 2.0883 BRA 1.0405 BC3 5.5460 FSP -830 SG1 5517.3 SG2 386.5 THA 178.99 EL1 3140.6 EL2 100.8 ALF 4.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 180.00

ARRIVAL DATE MAY 29 1966

MELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.806 GAL 2.05 AZL 86.79 MCA 254.81 SMA 122.82 ECC .20423 INC 3.2136 V1 30.199
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.826 GAP 9.85 AZP 90.84 TAL 171.98 TAP 66.79 RCA 97.74 APO 147.90 V2 34.789
 RC 162.536 GL 22.27 GP 2.99 ZAL 71.75 ZAP 166.45 ETS 11.89 ZAE 128.78 ETE 177.61 ZAC 70.11 ETC 165.32 CLP-166.77

PLANETOCENTRIC CONIC
 C3 15.706 VHL 3.963 DLA 19.31 RAL 348.39 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.531 DPA -9.76 RAP 337.57 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 18 2807.48 -28.21 82.37 212.47 92.54 4 5 5 2207.5 -27.56 73.76
 90.00 20 39 58 4152.99 -1.48 169.36 206.21 61.72 21 49 11 3553.0 -5.25 162.71
 100.00 4 51 38 2506.49 -29.62 60.13 212.37 94.20 5 33 24 1906.5 -28.72 51.45
 100.00 21 49 19 3929.22 -.24 152.22 205.53 60.11 22 54 48 3329.2 -4.22 145.69
 110.00 6 25 48 2211.88 -33.21 37.29 211.90 98.60 7 2 40 1611.9 -31.67 28.40
 110.00 22 31 38 3796.59 2.82 140.25 203.61 55.92 23 34 55 3196.6 -1.67 134.05

DIFFERENTIAL CORRECTIONS
 TDE 2.1745 TRA 1.2160 TC3-5.3050 BAU 1.1154 SGT 5570.8 SGR 401.7 SG3 234.9 ST 3195.6 SR 275.2 SS 927.4
 RDE .1854 RRA -.1346 RC3 .2736 FAU .03462 RRT -.2025 RRF -.2223 RTF .9454 CRT .9181 CRS -.8624 CST -.9921
 FDE 1.0850 FRA 1.0618 FC3-1.9083 BSP 17877 SGB 5585.3 R23 .0306 R13 -.9455 LSA 3335.1 MSA 156.8 SSA 18.8
 BDE 2.1824 BRA 1.2235 BC3 5.3120 FSP -799 SG1 5571.4 SG2 393.4 THA 179.16 EL1 3205.6 EL2 108.7 ALF 4.53

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 182.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.767 GAL 2.50 AZL 86.76 MCA 257.97 SMA 122.58 ECC .20801 INC 3.2439 V1 30.199
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.800 GAP 10.18 AZP 90.68 TAL 170.39 TAP 68.36 RCA 97.08 APO 148.08 V2 34.792
 RC 164.699 GL 21.77 GP 2.86 ZAL 69.14 ZAP 167.41 ETS 12.42 ZAE 128.70 ETE 177.71 ZAC 72.28 ETC 165.47 CLP-167.73

PLANETOCENTRIC CONIC
 C3 16.649 VHL 4.080 DLA 19.94 RAL 351.08 RAD 6567.7 VEL 11.749 PTH 2.07 VHP 6.725 DPA -9.09 RAP 339.70 ECC 1.2740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 22 1 2846.75 -28.30 85.24 216.44 91.10 4 9 28 2246.7 -27.84 76.60
 90.00 20 57 42 4140.30 -1.89 168.65 209.90 61.74 22 6 43 3540.3 -5.65 161.99
 100.00 4 56 6 2543.41 -29.78 62.87 216.38 92.77 5 38 29 1943.4 -29.07 54.13
 100.00 22 6 19 3918.87 -.60 151.66 209.18 60.11 23 11 38 3318.9 -4.57 145.12
 110.00 6 31 38 2244.48 -33.52 39.78 216.00 97.15 7 9 3 1644.5 -32.17 30.81
 110.00 22 47 16 3790.56 2.59 139.94 207.19 55.90 23 50 26 3190.6 -1.90 133.74

DIFFERENTIAL CORRECTIONS
 TDE 2.2713 TRA 1.4146 TC3-5.0441 BAU 1.1241 SGT 5619.7 SGR 404.5 SG3 225.6 ST 3254.1 SR 289.4 SS 919.5
 RDE .2013 RRA -1.1384 RC3 .2480 FAU .03211 RRT -.1622 RRF -.1808 RTF .9456 CRT .9146 CRS -.8602 CST -.9926
 FDE 1.0704 FRA 1.1006 FC3-1.6700 BSP 18007 SGB 5634.2 R23 .0270 R13 -.9457 LSA 3390.1 MSA 159.1 SSA 18.4
 BDE 2.2802 BRA 1.4213 BC3 5.0502 FSP -766 SG1 5620.1 SG2 399.1 THA 179.33 EL1 3264.9 EL2 116.7 ALF 4.66

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.727 GAL 2.98 AZL 86.73 MCA 261.13 SMA 122.34 ECC .21210 INC 3.2735 V1 30.199
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.775 GAP 10.52 AZP 90.50 TAL 168.79 TAP 69.92 RCA 96.39 APO 148.29 V2 34.796
 RC 166.847 GL 21.22 GP 2.74 ZAL 66.58 ZAP 168.34 ETS 13.06 ZAE 128.62 ETE 177.80 ZAC 74.46 ETC 165.62 CLP-168.67

PLANETOCENTRIC CONIC
 C3 17.731 VHL 4.211 DLA 20.51 RAL 353.75 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 6.929 DPA -8.38 RAP 341.84 ECC 1.2918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 8 2885.40 -28.32 88.07 220.46 89.68 4 14 13 2285.4 -28.06 79.41
 90.00 21 14 55 4130.72 -2.20 168.12 213.64 61.76 22 23 45 3530.7 -5.96 161.45
 100.00 5 0 55 2579.77 -29.86 65.57 220.44 91.35 5 43 55 1979.8 -29.36 56.80
 100.00 22 22 49 3911.58 -.84 151.26 212.88 60.12 23 28 0 3311.6 -4.81 144.72
 110.00 6 37 47 2276.71 -33.76 42.27 220.16 95.70 7 15 44 1676.7 -32.61 33.22
 110.00 23 2 26 3787.41 2.47 139.77 210.81 55.90 24 5 33 3187.4 -2.02 133.57

DIFFERENTIAL CORRECTIONS
 TDE 2.3652 TRA 1.6216 TC3-4.7764 BAU 1.1334 SGT 5664.6 SGR 406.8 SG3 216.6 ST 3297.1 SR 303.2 SS 908.5
 RDE .2181 RRA -1.1412 RC3 .2229 FAU .02984 RRT -.1230 RRF -.1406 RTF .9462 CRT .9114 CRS -.8584 CST -.9932
 FDE 1.0539 FRA 1.1363 FC3-1.4570 BSP 18209 SGB 5679.1 R23 .0238 R13 -.9462 LSA 3429.6 MSA 161.7 SSA 18.0
 BDE 2.3752 BRA 1.6278 BC3 4.7816 FSP -739 SG1 5664.8 SG2 403.7 THA 179.49 EL1 3308.7 EL2 124.4 ALF 4.80

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.688 GAL 3.48 AZL 86.70 MCA 264.30 SMA 122.11 ECC .21654 INC 3.3027 V1 30.199
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.751 GAP 10.88 AZP 90.33 TAL 167.19 TAP 71.49 RCA 95.67 APO 148.55 V2 34.800
 RC 168.980 GL 20.63 GP 2.64 ZAL 64.06 ZAP 169.26 ETS 13.83 ZAE 128.56 ETE 177.89 ZAC 76.66 ETC 165.76 CLP-169.59

PLANETOCENTRIC CONIC
 C3 18.970 VHL 4.355 DLA 21.02 RAL 356.40 RAD 6567.8 VEL 11.847 PTH 2.10 VHP 7.143 DPA -7.64 RAP 343.97 ECC 1.3122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 37 2923.33 -28.27 90.84 224.51 88.29 4 19 21 2323.3 -28.21 82.18
 90.00 21 31 30 4124.41 -2.40 167.76 217.41 61.78 22 40 14 3524.4 -6.16 161.10
 100.00 5 6 6 2615.48 -29.89 68.22 224.54 89.96 5 49 41 2015.5 -29.58 59.43
 100.00 22 38 43 3907.49 -.98 151.03 216.63 60.12 23 43 50 3307.5 -4.95 144.49
 110.00 6 44 13 2308.51 -33.95 44.73 224.37 94.25 7 22 41 1708.5 -32.99 35.63
 110.00 23 17 5 3787.23 2.46 139.77 214.48 55.89 24 20 12 3187.2 -2.03 133.56

DIFFERENTIAL CORRECTIONS
 TDE 2.4592 TRA 1.8414 TC3-4.4964 BAU 1.1414 SGT 5704.4 SGR 408.6 SG3 208.0 ST 3329.5 SR 316.4 SS 896.3
 RDE .2360 RRA -1.1430 RC3 .1985 FAU .02765 RRT -.0840 RRF -.1007 RTF .9469 CRT .9083 CRS -.8568 CST -.9937
 FDE 1.0375 FRA 1.1715 FC3-1.2618 BSP 18395 SGB 5719.0 R23 .0208 R13 -.9469 LSA 3458.6 MSA 164.7 SSA 17.5
 BDE 2.4705 BRA 1.8469 BC3 4.5008 FSP -713 SG1 5704.5 SG2 407.1 THA 179.65 EL1 3341.9 EL2 131.8 ALF 4.94

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.649 GAL 4.01 AZL 86.67 MCA 267.46 SMA 121.87 ECC .22135 INC 3.3315 V1 30.199
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.728 GAP 11.25 AZP 90.15 TAL 165.59 TAP 73.05 RCA 94.90 APO 148.85 V2 34.805
 RC 171.096 GL 20.01 GP 2.54 ZAL 61.60 ZAP 170.17 ETS 14.74 ZAE 128.50 ETE 177.97 ZAC 78.87 ETC 165.89 CLP-170.50

PLANETOCENTRIC CONIC
 C3 20.386 VHL 4.515 DLA 21.46 RAL 359.00 RAD 6567.8 VEL 11.907 PTH 2.12 VHP 7.370 DPA -6.86 RAP 346.11 ECC 1.3355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 31 2960.40 -28.16 93.55 228.60 86.94 4 24 51 2360.4 -28.29 84.88
 90.00 21 47 23 4121.52 -2.49 167.60 221.22 61.78 22 56 4 3521.5 -6.25 160.93
 100.00 5 11 38 2650.45 -29.86 70.82 228.68 88.59 5 55 49 2050.4 -29.74 62.02
 100.00 22 53 57 3906.71 -1.01 150.99 220.40 60.12 23 59 3 3306.7 -4.98 144.45
 110.00 6 50 55 2339.85 -34.08 47.17 228.62 92.81 7 29 55 1739.8 -33.32 38.01
 110.00 23 31 9 3790.07 2.57 139.91 218.16 55.90 24 34 19 3190.1 -1.92 133.71

DIFFERENTIAL CORRECTIONS
 TDE 2.5536 TRA 2.0748 TC3-4.2082 BAU 1.1479 SGT 5739.8 SGR 409.8 SG3 199.9 ST 3351.8 SR 328.8 SS 883.7
 RDE .2549 RRA -1.1437 RC3 .1749 FAU .02556 RRT -.0453 RRF -.0611 RTF .9477 CRT .9054 CRS -.8552 CST -.9941
 FDE 1.0218 FRA 1.2071 FC3-1.0852 BSP 18557 SGB 5754.4 R23 .0180 R13 -.9477 LSA 3477.7 MSA 167.9 SSA 17.0
 BDE 2.5663 BRA 2.0798 BC3 4.2119 FSP -686 SG1 5739.8 SG2 409.4 THA 179.81 EL1 3365.0 EL2 133.1 ALF 5.08

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE NOV 30 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 551.123

RL 147.53 LAL .00 LOL 67.58 VL 26.611 GAL 4.57 AZL 86.64 HCA 270.63 SMA 121.64 ECC .22657 INC 3.3601 V1 30.199
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.705 GAP 11.64 AZP 89.96 TAL 164.00 TAP 74.62 RCA 94.08 APO 149.21 V2 34.811
 RC 173.196 GL 19.36 GP 2.46 ZAL 59.20 ZAP 171.06 ETS 15.83 ZAE 128.45 ETE 178.05 ZAC 81.09 ETC 166.01 CLP-171.40

PLANETOCENTRIC CONIC

C3 22.006 VHL 4.691 CLA 21.85 RAL 1.55 RAD 6567.9 VEL 11.974 PTH 2.13 VHP 7.609 DPA -6.07 RAP 348.25 ECC 1.3622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 47 2996.52 -28.01 96.18 232.71 85.63 4 30 44 2396.5 -28.32 87.53
 90.00 22 2 29 4122.15 -2.47 167.64 225.05 61.78 23 11 11 3522.2 -6.23 160.97
 100.00 5 17 31 2684.61 -29.78 73.36 232.83 87.26 6 2 16 2084.6 -29.84 64.55
 100.00 23 8 26 3909.30 -.92 151.13 224.18 60.12 24 13 35 3309.3 -4.89 144.59
 110.00 6 57 52 2370.70 -34.16 49.58 232.89 91.39 7 37 22 1770.7 -33.59 40.38
 110.00 23 44 35 3795.97 2.80 140.22 221.86 55.92 24 47 51 3196.0 -1.70 134.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6519 TRA 2.3256 TC3-3.9092 BAU 1.1509 SGT 5771.3 SGR 410.5 SG3 192.2 ST 3368.4 SR 340.3 SS 872.1
 RDE .2747 RRA -.1431 RC3 .1524 FAU .02346 RRT -.0060 RRF -.0207 RTF .9485 CRT .9025 CRS -.8540 CST -.9946
 FDE 1.0086 FRA 1.2443 FC3 -.9228 BSP 18630 SGB 5785.9 R23 .0150 R13 -.9485 LSA 3491.9 MSA 171.2 SSA 16.5
 BDE 2.6661 BRA 2.3300 BC3 3.9121 FSP -.658 SG1 5771.3 SG2 410.5 THA 179.98 EL1 3382.4 EL2 146.0 ALF 5.22

LAUNCH DATE NOV 30 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 556.610

RL 147.53 LAL .00 LOL 67.58 VL 26.573 GAL 5.15 AZL 86.61 HCA 273.79 SMA 121.42 ECC .23225 INC 3.3888 V1 30.199
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.683 GAP 12.06 AZP 89.78 TAL 162.41 TAP 76.20 RCA 93.22 APO 149.62 V2 34.817
 RC 175.278 GL 18.68 GP 2.38 ZAL 56.87 ZAP 171.93 ETS 17.17 ZAE 128.41 ETE 178.13 ZAC 83.32 ETC 166.11 CLP-172.29

PLANETOCENTRIC CONIC

C3 23.856 VHL 4.884 CLA 22.18 RAL 4.05 RAD 6568.0 VEL 12.051 PTH 2.15 VHP 7.864 DPA -5.25 RAP 350.38 ECC 1.3926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 28 3031.58 -27.80 98.72 236.82 84.37 4 37 0 2431.6 -28.29 90.09
 90.00 22 16 44 4126.39 -2.34 167.87 228.87 61.77 23 25 31 3526.4 -6.09 161.21
 100.00 5 23 45 2717.90 -29.64 75.82 237.00 85.97 6 9 3 2117.9 -29.89 67.03
 100.00 23 22 8 3915.31 -.72 151.46 227.97 60.12 24 27 24 3315.3 -4.69 144.92
 110.00 7 5 2 2401.06 -34.18 51.95 237.19 89.99 7 45 3 1801.1 -33.81 42.72
 110.00 0 1 17 3804.92 3.14 140.69 225.57 55.94 1 4 42 3204.9 -1.35 134.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7473 TRA 2.5877 TC3-3.6162 BAU 1.1541 SGT 5797.4 SGR 410.6 SG3 184.7 ST 3371.1 SR 350.8 SS 858.8
 RDE .2955 RRA -.1411 RC3 .1314 FAU .02154 RRT .0327 RRF .0188 RTF .9496 CRT .8997 CRS -.8529 CST -.9950
 FDE .9943 FRA 1.2796 FC3 -.7816 BSP 18781 SGB 5812.0 R23 -.0124 R13 .9496 LSA 3492.1 MSA 174.4 SSA 16.0
 BDE 2.7631 BRA 2.5915 BC3 3.6185 FSP -.634 SG1 5797.4 SG2 410.4 THA .13 EL1 3385.9 EL2 152.4 ALF 5.36

LAUNCH DATE NOV 30 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 562.045

RL 147.53 LAL .00 LOL 67.58 VL 26.535 GAL 5.77 AZL 86.58 HCA 276.96 SMA 121.20 ECC .23843 INC 3.4178 V1 30.199
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.663 GAP 12.51 AZP 89.59 TAL 160.83 TAP 77.79 RCA 92.30 APO 150.09 V2 34.824
 RC 177.341 GL 17.99 GP 2.30 ZAL 54.60 ZAP 172.79 ETS 18.84 ZAE 128.37 ETE 178.20 ZAC 85.55 ETC 166.20 CLP-173.17

PLANETOCENTRIC CONIC

C3 25.972 VHL 5.096 CLA 22.45 RAL 6.49 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 8.136 DPA -4.41 RAP 352.51 ECC 1.4274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 52 32 3065.52 -27.55 101.17 240.94 83.17 4 43 38 2465.5 -28.21 92.57
 90.00 22 30 5 4134.29 -2.08 168.32 232.69 61.75 23 38 59 3534.3 -5.84 161.65
 100.00 5 30 18 2750.29 -29.47 78.21 241.17 84.72 6 16 9 2150.3 -29.88 69.43
 100.00 23 35 0 3924.75 -.40 151.98 231.76 60.11 24 40 25 3324.8 -4.37 145.45
 110.00 7 12 23 2430.92 -34.16 54.28 241.49 88.61 7 52 54 1830.9 -33.97 45.04
 110.00 0 13 20 3816.89 3.59 141.32 229.27 55.98 1 16 57 3216.9 -.90 135.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8439 TRA 2.8658 TC3-3.3246 BAU 1.1550 SGT 5818.8 SGR 410.2 SG3 177.6 ST 3365.5 SR 360.2 SS 845.6
 RDE .3172 RRA -.1376 RC3 .1119 FAU .01969 RRT .0714 RRF .0583 RTF .9508 CRT .8971 CRS -.8519 CST -.9954
 FDE .9809 FRA 1.3156 FC3 -.6565 BSP 18912 SGB 5833.2 R23 -.0100 R13 .9508 LSA 3484.2 MSA 177.6 SSA 15.5
 BDE 2.8615 BRA 2.8691 BC3 3.3265 FSP -.612 SG1 5818.8 SG2 409.1 THA .29 EL1 3381.0 EL2 158.4 ALF 5.50

LAUNCH DATE NOV 30 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 567.419

RL 147.53 LAL .00 LOL 67.58 VL 26.497 GAL 6.43 AZL 86.55 HCA 280.13 SMA 120.98 ECC .24517 INC 3.4471 V1 30.199
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.643 GAP 12.98 AZP 89.39 TAL 159.26 TAP 79.39 RCA 91.32 APO 150.64 V2 34.832
 RC 179.385 GL 17.28 GP 2.24 ZAL 52.42 ZAP 173.65 ETS 20.96 ZAE 128.32 ETE 178.27 ZAC 87.78 ETC 166.27 CLP-174.05

PLANETOCENTRIC CONIC

C3 28.393 VHL 5.328 CLA 22.67 RAL 8.85 RAD 6568.1 VEL 12.238 PTH 2.20 VHP 8.426 DPA -3.55 RAP 354.64 ECC 1.4673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 59 3098.29 -27.26 103.53 245.05 82.02 4 50 38 2498.3 -28.08 94.96
 90.00 22 42 29 4145.83 -1.71 168.96 236.49 61.73 23 51 35 3545.8 -5.48 162.30
 100.00 5 37 10 2781.75 -29.25 80.53 245.33 83.52 6 23 32 2181.7 -29.83 71.77
 100.00 23 47 0 3937.60 .04 152.68 235.52 60.11 24 52 37 3337.6 -3.94 146.16
 110.00 7 19 55 2460.28 -34.09 56.57 245.79 87.25 8 0 55 1860.3 -34.09 47.32
 110.00 0 24 40 3831.83 4.16 142.10 232.95 56.04 1 28 32 3231.8 -.32 135.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9416 TRA 3.1611 TC3-3.0373 BAU 1.1535 SGT 5835.3 SGR 409.2 SG3 170.8 ST 3351.9 SR 368.4 SS 832.8
 RDE .3399 RRA -.1324 RC3 .0940 FAU .01792 RRT .1103 RRF .0978 RTF .9523 CRT .8945 CRS -.8511 CST -.9959
 FDE .9685 FRA 1.3526 FC3 -.5463 BSP 19028 SGB 5849.7 R23 -.0078 R13 .9522 LSA 3468.7 MSA 180.6 SSA 15.0
 BDE 2.9612 BRA 3.1639 BC3 3.0388 FSP -.589 SG1 5835.5 SG2 406.7 THA .45 EL1 3368.1 EL2 163.9 ALF 5.63

LAUNCH DATE NOV 30 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.460 GAL 7.12 AZL 86.52 HCA 283.30 SMA 120.76 ECC .25252 INC 3.4771 V1 30.199
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.624 GAP 13.49 AZP 89.20 TAL 157.71 TAP 81.01 RCA 90.27 APO 151.25 V2 34.840
 RC 181.409 GL 16.57 GP 2.18 ZAL 50.32 ZAP 174.48 ETS 23.74 ZAE 128.28 ETE 178.34 ZAC 90.02 ETC 166.33 CLP-174.93

PLANETOCENTRIC CONIC
 C3 31.168 VHL 5.583 DLA 22.84 RAL 11.14 RAD 6568.2 VEL 12.351 PTH 2.23 VHP 8.738 DPA -2.68 RAP 356.76 ECC 1.5129
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 48 3129.86 -26.94 105.78 249.14 80.93 4 57 58 2529.9 -27.92 97.25
 90.00 22 53 55 4160.98 -1.22 169.81 240.27 61.71 24 3 16 3561.0 -4.99 163.16
 100.00 5 44 18 2812.28 -28.99 82.76 249.48 82.37 6 31 10 2212.3 -29.74 74.04
 100.00 0 2 2 3953.79 .59 153.57 239.26 60.11 1 7 56 3353.8 -3.39 147.05
 110.00 7 27 35 2489.17 -33.97 58.82 250.08 85.93 8 9 4 1889.2 -34.16 49.58
 110.00 0 35 15 3849.66 4.84 143.04 236.62 56.12 1 39 25 3249.7 .36 136.82

MID-COURSE EXECUTION ACCURACY
 SGT 5849.4 SGR 407.7 SG3 164.5
 RRT .1499 RRF .1380 RTF .9538
 SGB 5863.6 R23 -.0057 R13 .9538
 SGI 5849.8 SG2 403.0 THA .60

ORBIT DETERMINATION ACCURACY
 ST 3335.6 SR 375.3 SS 822.0
 CRT .8920 CRS -.8506 CST -.9963
 LSA 3450.9 MSA 183.3 SSA 14.5
 EL1 3352.4 EL2 168.8 ALF 5.75

DIFFERENTIAL CORRECTIONS
 TDE 3.0452 TRA 3.4785 TC3-2.7523 BAU 1.1473
 RDE .3634 RRA -.1254 RC3 .0779 FAU .01613
 FDE .9591 FRA 1.3923 FC3 -.4481 BSP 19044
 BDE 3.0668 BRA 3.4808 BC3 2.7534 FSP -565

LAUNCH DATE NOV 30 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.424 GAL 7.86 AZL 86.49 HCA 286.47 SMA 120.55 ECC .26056 INC 3.5078 V1 30.199
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.606 GAP 14.04 AZP 89.00 TAL 156.19 TAP 82.66 RCA 89.14 APO 151.96 V2 34.849
 RC 183.413 GL 15.86 GP 2.12 ZAL 48.29 ZAP 175.31 ETS 27.52 ZAE 128.23 ETE 178.41 ZAC 92.25 ETC 166.37 CLP-175.81

PLANETOCENTRIC CONIC
 C3 34.354 VHL 5.861 DLA 22.95 RAL 13.34 RAD 6568.4 VEL 12.479 PTH 2.26 VHP 9.074 DPA -1.80 RAP 358.87 ECC 1.5654
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 58 3160.20 -26.60 107.94 253.22 79.91 5 5 38 2560.2 -27.72 99.45
 90.00 23 4 21 4179.68 -.62 170.85 244.01 61.69 24 14 1 3579.7 -4.40 164.21
 100.00 5 51 41 2841.87 -28.70 84.91 253.61 81.27 6 39 3 2241.9 -29.61 76.23
 100.00 0 12 15 3973.24 1.25 154.64 242.97 60.13 1 18 28 3373.2 -2.73 148.12
 110.00 7 35 21 2517.59 -33.81 61.02 254.35 84.63 8 17 18 1917.6 -34.18 51.80
 110.00 0 45 5 3870.28 5.62 144.12 240.25 56.23 1 49 35 3270.3 1.15 137.89

MID-COURSE EXECUTION ACCURACY
 SGT 5856.8 SGR 405.6 SG3 158.2
 RRT .1890 RRF .1774 RTF .9557
 SGB 5870.9 R23 -.0041 R13 .9556
 SGI 5857.3 SG2 398.3 THA .75

ORBIT DETERMINATION ACCURACY
 ST 3308.1 SR 380.9 SS 810.4
 CRT .8895 CRS -.8501 CST -.9966
 LSA 3422.1 MSA 185.7 SSA 14.0
 EL1 3325.4 EL2 173.1 ALF 5.86

DIFFERENTIAL CORRECTIONS
 TDE 3.1467 TRA 3.8118 TC3-2.4821 BAU 1.1403
 RDE .3878 RRA -.1165 RC3 .0636 FAU .01451
 FDE .9489 FRA 1.4316 FC3 -.3656 BSP 19153
 BDE 3.1705 BRA 3.8136 BC3 2.4829 FSP -545

LAUNCH DATE NOV 30 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.387 GAL 8.66 AZL 86.46 HCA 289.64 SMA 120.34 ECC .26937 INC 3.5396 V1 30.199
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.589 GAP 14.63 AZP 88.81 TAL 154.69 TAP 84.33 RCA 87.92 APO 152.75 V2 34.858
 RC 185.395 GL 15.14 GP 2.07 ZAL 46.35 ZAP 176.11 ETS 32.92 ZAE 128.17 ETE 178.48 ZAC 94.47 ETC 166.38 CLP-176.70

PLANETOCENTRIC CONIC
 C3 38.022 VHL 6.166 DLA 23.02 RAL 15.46 RAD 6568.5 VEL 12.625 PTH 2.29 VHP 9.437 DPA -.91 RAP .97 ECC 1.6257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 20 26 3189.33 -26.23 109.99 257.26 78.94 5 13 35 2589.3 -27.49 101.55
 90.00 23 13 48 4201.80 .10 172.08 247.70 61.68 24 23 50 3601.8 -3.69 165.45
 100.00 5 59 18 2870.55 -28.39 86.99 257.71 80.23 6 47 8 2270.5 -29.45 78.34
 100.00 0 21 33 3995.82 2.01 155.88 246.63 60.17 1 28 8 3395.8 -1.97 149.36
 110.00 7 43 11 2545.56 -33.61 63.18 258.59 83.37 8 25 36 1945.6 -34.16 55.98
 110.00 0 54 9 3893.57 6.50 145.35 243.85 56.37 1 59 3 3293.6 2.04 139.11

MID-COURSE EXECUTION ACCURACY
 SGT 5860.1 SGR 403.1 SG3 152.3
 RRT .2284 RRF .2172 RTF .9576
 SGB 5874.0 R23 -.0026 R13 .9576
 SGI 5860.9 SG2 392.4 THA .90

ORBIT DETERMINATION ACCURACY
 ST 3276.2 SR 385.0 SS 800.3
 CRT .8872 CRS -.8498 CST -.9970
 LSA 3389.3 MSA 187.6 SSA 13.5
 EL1 3294.0 EL2 176.7 ALF 5.97

DIFFERENTIAL CORRECTIONS
 TDE 3.2525 TRA 4.1675 TC3-2.2213 BAU 1.1294
 RDE .4129 RRA -.1054 RC3 .0510 FAU .01291
 FDE .9408 FRA 1.4732 FC3 -.2940 BSP 19231
 BDE 3.2786 BRA 4.1688 BC3 2.2219 FSP -525

LAUNCH DATE NOV 30 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.53 LAL .00 LOL 67.58 VL 26.352 GAL 9.51 AZL 86.43 HCA 292.82 SMA 120.13 ECC .27905 INC 3.5727 V1 30.199
 RP 108.68 LAP -3.29 LOP .44 VP 36.572 GAP 15.28 AZP 88.61 TAL 153.22 TAP 86.04 RCA 86.61 APO 153.66 V2 34.868
 RC 187.357 GL 14.43 GP 2.02 ZAL 44.50 ZAP 176.87 ETS 41.11 ZAE 128.10 ETE 178.54 ZAC 96.68 ETC 166.38 CLP-177.60

PLANETOCENTRIC CONIC
 C3 42.256 VHL 6.500 DLA 23.05 RAL 17.49 RAD 6568.6 VEL 12.791 PTH 2.33 VHP 9.831 DPA -.02 RAP 3.06 ECC 1.6954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 10 3217.26 -25.85 111.95 261.28 78.03 5 21 47 2617.3 -27.25 103.56
 90.00 23 22 15 4227.20 .92 173.50 251.34 61.70 24 32 42 3627.2 -2.87 166.87
 100.00 6 7 5 2898.31 -28.05 88.98 261.77 79.23 6 55 24 2298.3 -29.25 80.38
 100.00 0 29 57 4021.38 2.88 157.28 250.25 60.23 1 36 58 3421.4 -1.10 150.76
 110.00 7 51 3 2573.06 -33.37 65.29 262.79 82.14 8 33 56 1973.1 -34.10 56.13
 110.00 1 2 28 3919.40 7.47 146.72 247.41 56.55 2 7 48 3319.4 3.02 140.46

MID-COURSE EXECUTION ACCURACY
 SGT 5858.9 SGR 400.0 SG3 146.7
 RRT .2680 RRF .2570 RTF .9599
 SGB 5872.5 R23 -.0015 R13 .9599
 SGI 5859.8 SG2 385.3 THA 1.05

ORBIT DETERMINATION ACCURACY
 ST 3239.7 SR 387.6 SS 791.5
 CRT .8850 CRS -.8497 CST -.9973
 LSA 3352.1 MSA 188.9 SSA 13.0
 EL1 3257.9 EL2 179.5 ALF 6.06

DIFFERENTIAL CORRECTIONS
 TDE 3.3622 TRA 4.5471 TC3-1.9720 BAU 1.1143
 RDE .4387 RRA -.0921 RC3 .0401 FAU .01138
 FDE .9343 FRA 1.5171 FC3 -.2331 BSP 19299
 BDE 3.3907 BRA 4.5480 BC3 1.9724 FSP -506

LAUNCH DATE NOV 30 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 592.978

RL 147.53 LAL .00 LOL 67.58 VL 26.317 GAL 10.42 AZL 86.39 HCA 296.00 SMA 119.93 ECC .28971 INC 3.6074 V1 30.199
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.557 GAP 15.98 AZP 88.42 TAL 151.79 TAP 87.79 RCA 85.19 APO 154.68 V2 34.878
 RC 189.297 GL 13.72 GP 1.98 ZAL 42.74 ZAP 177.53 ETS 54.27 ZAE 128.01 ETE 178.60 ZAC 98.88 ETC 166.36 CLP-178.52

PLANETOCENTRIC CONIC

C3 47.162 VHL 6.867 DLA 23.05 RAL 19.43 RAD 6568.8 VEL 12.982 PTH 2.37 VHP 10.260 DPA .08 RAP 5.14 ECC 1.7762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 9 3243.99 -25.46 113.81 265.25 77.17 5 30 13 2644.0 -26.98 105.47
 90.00 23 29 43 4255.71 1.84 175.09 254.92 61.74 24 40 39 3655.7 -1.96 168.46
 100.00 6 15 2 2925.15 -27.70 90.90 265.79 78.28 7 3 47 2325.2 -29.03 82.35
 100.00 0 37 27 4049.77 3.84 158.85 253.81 60.33 1 44 57 3449.8 -.14 152.32
 110.00 7 58 56 2600.08 -33.10 67.36 266.94 80.95 8 42 16 2000.1 -34.00 58.23
 110.00 1 10 2 3947.60 8.53 148.22 250.93 56.77 2 15 50 3347.6 4.10 141.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.4815 TRA 4.9577 TC3-1.7316 BAU 1.0920
 ROE .4653 RRA -.0762 RC3 .0310 FAU .00980
 FOE .9313 FRA 1.5656 FC3 -.1800 BSP 19254
 BOE 3.5124 BRA 4.9583 BC3 1.7319 FSP -485

SGT 5856.1 SGR 396.6 SG3 141.4
 RRT .3083 RRF .2975 RTF .9623
 SGB 5869.5 R23 -.0005 R13 .9623
 SG1 5857.3 SG2 377.2 THA 1.20

ST 3203.1 SR 388.8 SS 785.4
 CRT .8830 CRS -.8500 CST -.9977
 LSA 3315.4 MSA 189.6 SSA 12.5
 EL1 3221.5 EL2 181.4 ALF 6.14

LAUNCH DATE NOV 30 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 597.705

RL 147.53 LAL .00 LOL 67.58 VL 26.282 GAL 11.41 AZL 86.36 HCA 299.18 SMA 119.74 ECC .30148 INC 3.6441 V1 30.199
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.542 GAP 16.74 AZP 88.22 TAL 150.41 TAP 89.59 RCA 83.64 APO 155.84 V2 34.889
 RC 191.216 GL 13.01 GP 1.94 ZAL 41.07 ZAP 177.98 ETS 75.42 ZAE 127.90 ETE 178.67 ZAC 101.06 ETC 166.31 CLP-179.45

PLANETOCENTRIC CONIC

C3 52.869 VHL 7.271 DLA 22.97 RAL 21.27 RAD 6568.9 VEL 13.200 PTH 2.41 VHP 10.730 DPA 1.77 RAP 7.20 ECC 1.8701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 18 3269.51 -25.06 115.57 269.17 76.37 5 38 48 2669.5 -26.69 107.28
 90.00 23 36 13 4287.13 2.85 176.84 258.44 61.81 24 47 41 3687.1 -.94 170.21
 100.00 6 23 4 2951.06 -27.32 92.73 269.75 77.58 7 12 15 2351.1 -28.79 84.24
 100.00 0 44 5 4080.81 4.88 160.56 257.32 60.47 1 52 5 3480.8 .91 154.02
 110.00 8 6 47 2626.59 -32.80 69.37 271.03 79.79 8 50 34 2026.6 -33.86 60.29
 110.00 1 16 51 3978.04 9.66 149.85 254.40 57.05 2 23 9 3378.0 5.25 143.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.6032 TRA 5.3931 TC3-1.5100 BAU 1.0674
 ROE .4926 RRA -.0577 RC3 .0233 FAU .00833
 FOE .9288 FRA 1.6160 FC3 -.1365 BSP 19341
 BOE 3.6367 BRA 5.3934 BC3 1.5102 FSP -468

SGT 5847.1 SGR 392.7 SG3 136.3
 RRT .3483 RRF .3375 RTF .9648
 SGB 5860.3 R23 .0002 R13 .9648
 SG1 5848.7 SG2 368.0 THA 1.35

ST 3159.6 SR 388.4 SS 780.0
 CRT .8812 CRS -.8505 CST -.9980
 LSA 3272.1 MSA 189.6 SSA 12.0
 EL1 3178.2 EL2 182.6 ALF 6.20

LAUNCH DATE NOV 30 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 602.242

RL 147.53 LAL .00 LOL 67.58 VL 26.248 GAL 12.48 AZL 86.32 HCA 302.36 SMA 119.55 ECC .31452 INC 3.6831 V1 30.199
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.529 GAP 17.59 AZP 88.03 TAL 149.09 TAP 91.45 RCA 81.95 APO 157.15 V2 34.900
 RC 193.113 GL 12.32 GP 1.90 ZAL 39.49 ZAP 178.05 ETS 103.46 ZAE 127.77 ETE 178.73 ZAC 103.22 ETC 166.24 CLP 179.59

PLANETOCENTRIC CONIC

C3 59.539 VHL 7.716 DLA 22.87 RAL 23.00 RAD 6569.1 VEL 13.450 PTH 2.46 VHP 11.246 DPA 2.66 RAP 9.24 ECC 1.9799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 37 3293.82 -24.66 117.24 273.02 75.63 5 47 31 2693.8 -26.40 109.00
 90.00 23 41 46 4321.25 3.94 178.75 261.88 61.94 24 53 47 3721.2 .16 172.12
 100.00 6 31 11 2976.00 -26.94 94.49 273.65 76.53 7 20 47 2376.0 -28.53 86.04
 100.00 0 49 49 4114.30 6.00 162.41 260.75 60.66 1 58 23 3514.3 2.05 155.86
 110.00 8 14 35 2652.53 -32.47 71.32 275.05 78.68 8 58 48 2052.5 -33.69 62.30
 110.00 1 22 55 4010.54 10.86 151.60 257.81 57.39 2 29 45 3410.5 6.48 145.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.7329 TRA 5.8621 TC3-1.2982 BAU 1.0334
 ROE .5205 RRA -.0362 RC3 .0173 FAU .00687
 FOE .9289 FRA 1.6709 FC3 -.0999 BSP 19354
 BOE 3.7690 BRA 5.8622 BC3 1.2983 FSP -452

SGT 5832.3 SGR 388.5 SG3 131.4
 RRT .3883 RRF .3777 RTF .9676
 SGB 5845.2 R23 .0005 R13 .9676
 SG1 5834.3 SG2 357.9 THA 1.49

ST 3113.7 SR 386.6 SS 776.7
 CRT .8796 CRS -.8512 CST -.9983
 LSA 3226.8 MSA 188.9 SSA 11.5
 EL1 3132.3 EL2 182.8 ALF 6.25

LAUNCH DATE NOV 30 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 606.547

RL 147.53 LAL .00 LOL 67.58 VL 26.215 GAL 13.64 AZL 86.27 HCA 305.54 SMA 119.36 ECC .32900 INC 3.7250 V1 30.199
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.516 GAP 18.52 AZP 87.83 TAL 147.84 TAP 93.38 RCA 80.09 APO 158.63 V2 34.912
 RC 194.989 GL 11.63 GP 1.87 ZAL 38.01 ZAP 177.67 ETS 128.22 ZAE 127.60 ETE 178.79 ZAC 105.34 ETC 166.15 CLP 178.60

PLANETOCENTRIC CONIC

C3 67.377 VHL 8.208 DLA 22.74 RAL 24.63 RAD 6569.3 VEL 13.738 PTH 2.51 VHP 11.817 DPA 3.54 RAP 11.26 ECC 2.1089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 2 3316.86 -24.27 118.81 276.80 74.94 5 56 19 2716.9 -26.10 110.62
 90.00 23 46 22 4357.86 5.11 180.81 265.24 62.11 24 59 0 3757.9 1.34 174.16
 100.00 6 39 20 2999.90 -26.55 96.16 277.46 75.74 7 29 20 2399.9 -28.25 87.77
 100.00 0 54 41 4150.04 7.19 164.40 264.11 60.91 2 3 51 3550.0 3.26 157.82
 110.00 8 22 18 2677.79 -32.12 73.20 278.97 77.62 9 6 56 2077.8 -33.49 64.24
 110.00 1 28 13 4044.93 12.11 153.48 261.15 57.79 2 35 38 3444.9 7.77 147.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.8727 TRA 6.3675 TC3-1.1016 BAU .9924
 ROE .5490 RRA -.0117 RC3 .0125 FAU .00539
 FOE .9318 FRA 1.7311 FC3 -.0693 BSP 19370
 BOE 3.9114 BRA 6.3675 BC3 1.1017 FSP -436

SGT 5813.9 SGR 383.9 SG3 126.8
 RRT .4285 RRF .4179 RTF .9704
 SGB 5826.6 R23 .0007 R13 .9704
 SG1 5816.3 SG2 346.7 THA 1.63

ST 3066.0 SR 383.2 SS 775.9
 CRT .8784 CRS -.8523 CST -.9985
 LSA 3180.3 MSA 187.3 SSA 11.0
 EL1 3084.5 EL2 182.1 ALF 6.29

LAUNCH DATE NOV 30 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

RL 147.53 LAL .00 LOL 67.58 VL 26.183 GAL 14.92 AZL 86.23 HCA 308.73 SMA 119.18 ECC .34514 INC 3.7704 V1 30.199
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.504 GAP 19.55 AZP 87.64 TAL 146.68 TAP 95.40 RCA 78.05 APO 160.31 V2 34.924
 RC 196.842 GL 10.96 GP 1.84 ZAL 36.64 ZAP 176.96 ETS 144.40 ZAE 127.39 ETE 178.86 ZAC 107.43 ETC 166.04 CLP 177.58

PLANETOCENTRIC CONIC

C3 76.643 VHL 8.755 DLA 22.56 RAL 26.15 RAD 6569.5 VEL 14.071 PTH 2.57 VHP 12.450 DPA 4.40 RAP 13.24 ECC 2.2613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 31 3338.54 -23.87 120.28 280.48 74.30 6 5 9 2738.5 -25.80 112.14
 90.00 23 50 1 4396.74 6.35 183.00 268.51 62.35 25 3 18 3796.7 2.59 176.33
 100.00 6 47 29 3022.66 -26.16 97.73 281.17 75.00 7 37 52 2422.7 -27.96 89.40
 100.00 0 58 40 4187.85 8.43 166.52 267.38 61.22 2 8 28 3587.9 4.53 159.91
 110.00 8 29 54 2702.25 -31.75 75.01 282.79 76.61 9 14 56 2102.2 -33.26 66.11
 110.00 1 32 44 4081.03 13.41 155.46 264.42 58.26 2 40 45 3481.0 9.12 149.00

DIFFERENTIAL CORRECTIONS

TDE 4.0293 TRA 6.9200 TC3 -.9160 BAU .9386
 ROE .5785 RRA .0165 RC3 .0091 FAU .00382
 FOE .9392 FRA 1.7988 FC3 -.0431 BSP 19277
 BOE 4.0706 BRA 6.9200 BC3 .9161 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 5794.6 SGR 379.1 SG3 122.5
 RRT .4690 RRF .4587 RTF .9734
 SGB 5807.0 R23 .0007 R13 .9734
 SGI 5797.3 SG2 334.7 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 3020.1 SR 378.6 SS 778.7
 CRT .8776 CRS -.8539 CST -.9988
 LSA 3136.3 MSA 184.9 SSA 10.5
 EL1 3038.4 EL2 180.4 ALF 6.30

LAUNCH DATE NOV 30 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

RL 147.53 LAL .00 LOL 67.58 VL 26.152 GAL 16.32 AZL 86.18 HCA 311.91 SMA 119.01 ECC .36321 INC 3.8200 V1 30.199
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.494 GAP 20.71 AZP 87.45 TAL 145.62 TAP 97.53 RCA 75.78 APO 162.23 V2 34.936
 RC 198.673 GL 10.29 GP 1.81 ZAL 35.37 ZAP 176.06 ETS 154.35 ZAE 127.14 ETE 178.92 ZAC 109.47 ETC 165.90 CLP 176.50

PLANETOCENTRIC CONIC

C3 87.670 VHL 9.363 DLA 22.35 RAL 27.55 RAD 6569.7 VEL 14.457 PTH 2.63 VHP 13.158 DPA 5.24 RAP 15.18 ECC 2.4428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 0 3358.73 -23.50 121.64 284.05 73.72 6 13 59 2758.7 -25.50 113.55
 90.00 23 52 42 4437.67 7.63 185.32 271.67 62.65 25 6 40 3837.7 3.91 178.62
 100.00 6 55 35 3044.11 -25.77 99.21 284.77 74.31 7 46 19 2444.1 -27.68 90.93
 100.00 1 1 45 4227.52 9.73 168.75 270.55 61.60 2 12 12 3627.5 5.86 162.10
 110.00 8 37 21 2725.73 -31.36 76.74 286.48 75.65 9 22 46 2125.7 -33.02 67.90
 110.00 1 36 28 4118.67 14.75 157.56 267.61 58.81 2 45 7 3518.7 10.51 151.02

DIFFERENTIAL CORRECTIONS

TDE 4.1958 TRA 7.5147 TC3 -.7468 BAU .8753
 ROE .6086 RRA .0484 RC3 .0067 FAU .00225
 FOE .9487 FRA 1.8726 FC3 -.0222 BSP 19291
 BOE 4.2397 BRA 7.5148 BC3 .7468 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 5767.7 SGR 374.0 SG3 118.3
 RRT .5089 RRF .4988 RTF .9764
 SGB 5779.8 R23 .0004 R13 .9764
 SGI 5770.8 SG2 321.8 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 2969.6 SR 372.5 SS 785.7
 CRT .8772 CRS -.8558 CST -.9990
 LSA 3088.4 MSA 181.7 SSA 10.0
 EL1 2987.6 EL2 177.8 ALF 6.30

LAUNCH DATE NOV 30 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

RL 147.53 LAL .00 LOL 67.58 VL 26.123 GAL 17.88 AZL 86.12 HCA 315.10 SMA 118.84 ECC .38350 INC 3.8750 V1 30.199
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.484 GAP 22.01 AZP 87.25 TAL 144.69 TAP 99.79 RCA 73.27 APO 164.42 V2 34.948
 RC 200.481 GL 9.63 GP 1.78 ZAL 34.23 ZAP 175.04 ETS 160.77 ZAE 126.82 ETE 178.98 ZAC 111.46 ETC 165.74 CLP 175.37

PLANETOCENTRIC CONIC

C3 100.894 VHL 10.045 DLA 22.09 RAL 28.83 RAD 6570.0 VEL 14.908 PTH 2.69 VHP 13.952 DPA 6.06 RAP 17.08 ECC 2.6605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 28 3377.25 -23.14 122.88 287.49 73.20 6 22 45 2777.2 -25.22 114.83
 90.00 23 54 24 4480.44 8.96 187.76 274.72 63.03 25 9 4 3880.4 5.27 181.02
 100.00 7 3 36 3064.05 -25.40 100.58 288.23 73.68 7 54 40 2464.1 -27.39 92.34
 100.00 1 3 53 4268.87 11.06 171.10 273.61 62.05 2 15 2 3668.9 7.23 164.40
 110.00 8 44 37 2748.02 -30.98 78.36 290.01 74.77 9 30 25 2148.0 -32.75 69.59
 110.00 1 39 21 4157.67 16.11 159.76 270.70 59.44 2 48 39 3557.7 11.94 153.14

DIFFERENTIAL CORRECTIONS

TDE 4.3811 TRA 8.1650 TC3 -.5902 BAU .7962
 ROE .6397 RRA .0845 RC3 .0054 FAU .00056
 FOE .9628 FRA 1.9556 FC3 -.0048 BSP 19278
 BOE 4.4276 BRA 8.1654 BC3 .5902 FSP -391

MID-COURSE EXECUTION ACCURACY

SGT 5737.2 SGR 368.7 SG3 114.3
 RRT .5486 RRF .5388 RTF .9793
 SGB 5749.1 R23 .0000 R13 .9793
 SGI 5740.8 SG2 308.1 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 2919.0 SR 365.2 SS 792.4
 CRT .8774 CRS -.8582 CST -.9992
 LSA 3041.4 MSA 177.5 SSA 9.5
 EL1 2936.6 EL2 174.1 ALF 6.29

LAUNCH DATE NOV 30 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

RL 147.53 LAL .00 LOL 67.58 VL 26.094 GAL 19.62 AZL 86.06 HCA 318.29 SMA 118.68 ECC .40639 INC 3.9365 V1 30.199
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.476 GAP 23.49 AZP 87.06 TAL 143.91 TAP 102.20 RCA 70.45 APO 166.91 V2 34.961
 RC 202.264 GL 8.98 GP 1.76 ZAL 33.21 ZAP 173.91 ETS 165.18 ZAE 126.43 ETE 179.04 ZAC 113.37 ETC 165.56 CLP 174.16

PLANETOCENTRIC CONIC

C3 116.884 VHL 10.811 DLA 21.79 RAL 29.96 RAD 6570.2 VEL 15.434 PTH 2.76 VHP 14.850 DPA 6.85 RAP 18.91 ECC 2.9236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 52 3393.83 -22.81 123.98 290.77 72.75 6 31 26 2793.8 -24.95 115.97
 90.00 23 55 4 4524.88 10.32 190.31 277.62 63.49 25 10 28 3924.9 6.68 183.53
 100.00 7 11 30 3082.22 -25.05 101.81 291.52 73.13 8 2 53 2482.2 -27.12 93.62
 100.00 1 5 2 4311.72 12.41 173.56 276.54 62.59 2 16 54 3711.7 8.64 166.80
 110.00 8 51 41 2768.83 -30.60 79.86 293.37 73.95 9 37 49 2168.8 -32.49 71.15
 110.00 1 41 21 4197.88 17.49 162.06 273.67 60.15 2 51 19 3597.9 13.39 155.35

DIFFERENTIAL CORRECTIONS

TDE 4.5888 TRA 8.8772 TC3 -.4465 BAU .6978
 ROE .6719 RRA .1253 RC3 .0049 FAU -.00131
 FOE .9820 FRA 2.0493 FC3 .0097 BSP 19247
 BOE 4.6377 BRA 8.8781 BC3 .4466 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 5702.4 SGR 363.3 SG3 110.6
 RRT .5879 RRF .5785 RTF .9822
 SGB 5714.0 R23 -.0005 R13 .9822
 SGI 5706.4 SG2 293.7 THA 2.15

ORBIT DETERMINATION ACCURACY

ST 2868.0 SR 356.7 SS 805.3
 CRT .8783 CRS -.8612 CST -.9993
 LSA 2995.2 MSA 172.5 SSA 9.0
 EL1 2885.1 EL2 169.6 ALF 6.26

LAUNCH DATE DEC 1 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 9 1966

HELIOCENTRIC CONIC

DISTANCE 180.420

RL 147.51 LAL .00 LOL 68.60 VL 26.129 GAL -5.84 AZL 86.72 HCA 79.55 SMA 118.85 ECC .26060 INC 3.2783 V1 30.204
 RP 107.51 LAP 3.22 LOP 148.13 VP 36.773 GAP -14.10 AZP 89.40 TAL 197.15 TAP 276.69 RCA 87.87 APO 149.82 V2 35.249
 RC 44.633 GL 16.96 GP -1.84 ZAL 117.88 ZAP 3.21 ETS 33.80 ZAE 150.84 ETE 334.13 ZAC 61.66 ETC 161.53 CLP -2.63

PLANETOCENTRIC CONIC

C3 25.966 VHL 5.096 DLA -1.53 RAL 307.33 RAD 6568.0 VEL 12.138 PTH 2.18 VHP 9.043 DPA -17.76 RAP 329.49 ECC 1.4273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 44 2230.42 -19.95 42.49 172.52 110.52 4 0 55 1630.4 -16.98 35.07
 90.00 14 59 6 4969.27 22.09 217.57 173.37 71.82 16 21 55 4369.3 19.40 209.93
 100.00 4 44 22 1970.33 -21.06 22.90 172.07 111.71 5 17 12 1370.3 -17.93 15.51
 100.00 16 21 9 4704.60 23.22 197.69 172.95 70.63 17 39 33 4104.6 20.37 190.06
 110.00 5 50 59 1761.81 -24.05 5.68 170.67 115.06 6 20 21 1161.8 -20.47 358.36
 110.00 17 31 1 4485.88 26.26 179.80 171.66 67.29 18 45 47 3885.9 22.95 172.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2472 TRA -.4707 TC3 .4100 BAU .1536 SGT 729.5 SGR 408.1 SG3 98.3 ST 320.4 SR 360.4 SS 325.4
 RDE -.3196 RRA .0826 RC3 -.1666 FAU .03118 RRT -.0680 RRF .0701 RTF -.6854 CRT .8260 CRS .9917 CST .8754
 FDE .3693 FRA .0184 FC3 -1.0395 BSP 2045 SGB 835.9 R23 -.0025 R13 .6858 LSA 562.4 MSA 147.3 SSA 20.9
 BOE .4040 BRA .4779 BC3 .4425 FSP -241 SG1 730.2 SG2 406.8 THA 176.84 EL1 461.1 EL2 141.2 ALF 49.07

LAUNCH DATE DEC 1 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 11 1966

HELIOCENTRIC CONIC

DISTANCE 187.228

RL 147.51 LAL .00 LOL 68.60 VL 26.357 GAL -5.86 AZL 86.69 HCA 82.79 SMA 120.13 ECC .24861 INC 3.3050 V1 30.204
 RP 107.52 LAP 3.28 LOP 151.38 VP 36.931 GAP -13.10 AZP 89.59 TAL 198.39 TAP 281.19 RCA 90.27 APO 150.00 V2 35.244
 RC 45.858 GL 17.84 GP -1.97 ZAL 119.31 ZAP 5.28 ETS 20.64 ZAE 149.50 ETE 335.26 ZAC 62.63 ETC 161.71 CLP -4.90

PLANETOCENTRIC CONIC

C3 24.336 VHL 4.933 DLA -1.08 RAL 305.55 RAD 6568.0 VEL 12.071 PTH 2.16 VHP 8.488 DPA -17.55 RAP 330.50 ECC 1.4005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 15 2228.57 -19.91 42.37 169.77 110.57 3 50 24 1628.6 -16.93 34.96
 90.00 14 55 22 4939.19 21.44 215.60 170.34 71.05 16 17 41 4339.2 18.66 208.04
 100.00 4 34 6 1967.79 -21.00 22.74 169.32 111.78 5 6 54 1367.8 -17.86 15.35
 100.00 16 17 12 4675.20 22.55 195.77 169.92 69.83 17 35 8 4075.2 19.60 188.21
 110.00 5 41 12 1757.75 -23.93 5.42 167.94 115.17 6 10 29 1157.8 -20.34 358.12
 110.00 17 26 36 4458.00 25.51 177.98 168.61 66.44 18 40 54 3858.0 22.11 170.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2522 TRA -.4474 TC3 .4668 BAU .1629 SGT 753.7 SGR 408.5 SG3 111.0 ST 332.1 SR 357.9 SS 351.6
 RDE -.3073 RRA .0746 RC3 -.1811 FAU .03396 RRT -.0741 RRF .0777 RTF -.7018 CRT .8448 CRS .9941 CST .8771
 FDE .4116 FRA -.0160 FC3 -1.2082 BSP 2140 SGB 857.2 R23 -.0043 R13 .7023 LSA 583.4 MSA 145.5 SSA 21.8
 BOE .3975 BRA .4536 BC3 .5007 FSP -277 SG1 754.5 SG2 406.9 THA 176.75 EL1 469.0 EL2 135.6 ALF 47.54

LAUNCH DATE DEC 1 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 13 1966

HELIOCENTRIC CONIC

DISTANCE 194.032

RL 147.51 LAL .00 LOL 68.60 VL 26.564 GAL -5.89 AZL 86.67 HCA 86.04 SMA 121.33 ECC .23789 INC 3.3313 V1 30.204
 RP 107.54 LAP 3.32 LOP 154.63 VP 37.073 GAP -12.14 AZP 89.77 TAL 199.67 TAP 285.71 RCA 92.47 APO 150.19 V2 35.239
 RC 47.202 GL 18.68 GP -2.10 ZAL 120.73 ZAP 7.54 ETS 14.96 ZAE 148.39 ETE 336.17 ZAC 63.53 ETC 161.86 CLP -7.25

PLANETOCENTRIC CONIC

C3 22.990 VHL 4.795 DLA -.65 RAL 303.79 RAD 6567.9 VEL 12.015 PTH 2.14 VHP 7.962 DPA -17.38 RAP 331.43 ECC 1.3784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 4 2227.86 -19.89 42.32 167.17 110.58 3 40 12 1627.9 -16.91 34.92
 90.00 14 51 30 4912.05 20.83 213.85 167.50 70.37 16 13 22 4312.1 17.96 206.35
 100.00 4 24 7 1966.45 -20.97 22.65 166.73 111.81 4 56 53 1366.4 -17.82 15.27
 100.00 16 13 9 4648.70 21.91 194.05 167.07 69.14 17 30 38 4048.7 18.88 186.57
 110.00 5 31 40 1754.99 -23.85 5.24 165.37 115.24 6 0 55 1155.0 -20.25 357.95
 110.00 17 22 5 4432.92 24.82 176.36 165.76 65.70 18 35 58 3832.9 21.33 168.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2571 TRA -.4240 TC3 .5231 BAU .1716 SGT 776.4 SGR 407.9 SG3 125.4 ST 343.1 SR 354.3 SS 379.7
 RDE -.2958 RRA .0669 RC3 -.1954 FAU .03716 RRT -.0820 RRF .0871 RTF -.7167 CRT .8625 CRS .9956 CST .8793
 FDE .4604 FRA -.0565 FC3 -1.3992 BSP 2232 SGB 877.1 R23 -.0063 R13 .7173 LSA 605.1 MSA 144.0 SSA 22.7
 BOE .3919 BRA .4293 BC3 .5584 FSP -320 SG1 777.4 SG2 406.1 THA 176.61 EL1 475.9 EL2 129.2 ALF 46.07

LAUNCH DATE DEC 1 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 15 1966

HELIOCENTRIC CONIC

DISTANCE 200.831

RL 147.51 LAL .00 LOL 68.60 VL 26.749 GAL -5.93 AZL 86.64 HCA 89.28 SMA 122.44 ECC .22834 INC 3.3573 V1 30.204
 RP 107.55 LAP 3.36 LOP 157.88 VP 37.201 GAP -11.23 AZP 89.96 TAL 200.97 TAP 290.25 RCA 94.48 APO 150.40 V2 35.234
 RC 48.656 GL 19.46 GP -2.25 ZAL 122.11 ZAP 9.94 ETS 11.89 ZAE 147.51 ETE 336.89 ZAC 64.35 ETC 161.98 CLP -9.68

PLANETOCENTRIC CONIC

C3 21.880 VHL 4.678 DLA -.25 RAL 302.08 RAD 6567.9 VEL 11.969 PTH 2.13 VHP 7.464 DPA -17.25 RAP 332.28 ECC 1.3601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 17 2228.21 -19.90 42.35 164.74 110.57 3 30 25 1628.2 -16.92 34.94
 90.00 14 47 37 4887.69 20.26 212.29 164.86 69.79 16 9 5 4287.7 17.33 204.84
 100.00 4 14 30 1966.20 -20.96 22.64 164.30 111.81 4 47 17 1366.2 -17.81 15.26
 100.00 16 9 5 4624.93 21.33 192.53 164.43 68.55 17 26 10 4024.9 18.23 185.11
 110.00 5 22 29 1753.41 -23.81 5.14 162.96 115.29 5 51 43 1153.4 -20.20 357.86
 110.00 17 17 35 4410.48 24.18 174.92 163.10 65.07 18 31 6 3810.5 20.62 167.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2621 TRA -.4009 TC3 .5767 BAU .1794 SGT 797.1 SGR 406.6 SG3 141.9 ST 353.6 SR 349.5 SS 410.0
 RDE -.2847 RRA .0596 RC3 -.2092 FAU .04080 RRT -.0910 RRF .0981 RTF -.7298 CRT .8791 CRS .9961 CST .8822
 FDE .5168 FRA -.1039 FC3 -1.6142 BSP 2315 SGB 894.8 R23 -.0087 R13 .7305 LSA 627.9 MSA 143.0 SSA 23.4
 BOE .3870 BRA .4054 BC3 .6135 FSP -369 SG1 798.2 SG2 404.3 THA 176.42 EL1 481.9 EL2 122.2 ALF 44.63

LAUNCH DATE DEC 1 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 17 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.916 GAL -5.97 AZL 86.62 HCA 92.52 SMA 123.46 ECC .21988 INC 3.3833 V1 30.204
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.315 GAP -10.36 AZP 90.15 TAL 202.26 TAP 294.78 RCA 96.31 APO 150.60 V2 35.227
 RC 50.208 GL 20.18 GP -2.42 ZAL 123.43 ZAP 12.45 ETS 10.00 ZAE 146.88 ETE 337.42 ZAC 65.07 ETC 162.07 CLP -12.22

DISTANCE 207.618

PLANETOCENTRIC CONIC
 C3 20.968 VHL 4.379 DLA .12 RAL 300.43 RAD 6567.9 VEL 11.931 PTH 2.12 VHP 6.993 DPA -17.17 RAP 333.04 ECC 1.3451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 57 2229.51 -19.93 42.43 162.49 110.54 3 21 6 1629.5 -16.95 35.02
 90.00 14 43 48 4865.89 19.74 210.90 162.43 69.28 16 4 54 4265.9 16.75 203.50
 100.00 4 5 21 1966.94 -20.98 22.69 162.05 111.80 4 38 8 1366.9 -17.84 15.30
 100.00 16 5 6 4603.69 20.79 191.18 161.99 68.03 17 21 49 4003.7 17.63 183.81
 110.00 5 13 43 1752.91 -23.79 5.11 160.73 115.30 5 42 56 1152.9 -20.19 357.83
 110.00 17 13 12 4390.48 23.60 173.66 160.66 64.53 18 26 23 3790.5 19.98 166.40

DIFFERENTIAL CORRECTIONS
 TOE -.2651 TRA -.3768 TC3 .6293 BAU .1871 SGT 815.1 SGR 404.4 SG3 160.8 ST 361.0 SR 343.6 SS 441.9
 RDE -.2741 RRA .0525 RC3 -.2227 FAU .04501 RRT -.1053 RRF .1123 RTF -.7431 CRT .8939 CRS .9958 CST .8846
 FDE .5812 FRA -.1601 FC3 -1.8583 BSP 2426 SGB 909.9 R23 -.0090 R13 .7439 LSA 650.3 MSA 142.3 SSA 24.0
 BDE .3814 BRA .3804 BC3 .6675 FSP -427 SG1 816.6 SG2 401.4 THA 176.05 EL1 485.0 EL2 114.7 ALF 43.42

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.065 GAL -6.01 AZL 86.59 HCA 95.77 SMA 124.39 ECC .21242 INC 3.4095 V1 30.204
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.417 GAP -9.53 AZP 90.34 TAL 203.53 TAP 299.29 RCA 97.97 APO 150.81 V2 35.220
 RC 51.850 GL 20.85 GP -2.61 ZAL 124.66 ZAP 15.10 ETS 8.72 ZAE 146.50 ETE 337.76 ZAC 65.68 ETC 162.12 CLP -14.88

DISTANCE 214.393

PLANETOCENTRIC CONIC
 C3 20.221 VHL 4.497 DLA .47 RAL 298.87 RAD 6567.8 VEL 11.900 PTH 2.11 VHP 6.549 DPA -17.15 RAP 333.68 ECC 1.3328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 8 2231.67 -19.98 42.57 160.42 110.49 3 12 19 1631.7 -17.01 35.15
 90.00 14 40 10 4846.37 19.27 209.66 160.20 68.84 16 0 57 4246.4 16.22 202.31
 100.00 3 56 41 1968.58 -21.02 22.79 159.99 111.76 4 29 30 1368.6 -17.88 15.40
 100.00 16 1 18 4584.70 20.31 189.98 159.76 67.58 17 17 42 3984.7 17.09 182.66
 110.00 5 5 26 1753.39 -23.81 5.14 158.68 115.29 5 34 40 1153.4 -20.20 357.86
 110.00 17 9 2 4372.65 23.08 172.54 158.42 64.05 18 21 55 3772.7 19.40 165.34

DIFFERENTIAL CORRECTIONS
 TOE -.2695 TRA -.3554 TC3 .6725 BAU .1927 SGT 830.0 SGR 401.4 SG3 182.3 ST 369.7 SR 336.4 SS 477.4
 RDE -.2636 RRA .0457 RC3 -.2337 FAU .04975 RRT -.1179 RRF .1279 RTF -.7521 CRT .9073 CRS .9950 CST .8879
 FDE .6572 FRA -.2238 FC3 -2.1297 BSP 2483 SGB 921.9 R23 -.0129 R13 .7530 LSA 675.8 MSA 142.7 SSA 24.2
 BDE .3770 BRA .3584 BC3 .7126 FSP -492 SG1 831.7 SG2 397.8 THA 175.77 EL1 488.2 EL2 107.1 ALF 42.02

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.198 GAL -6.05 AZL 86.56 HCA 99.01 SMA 125.24 ECC .20586 INC 3.4359 V1 30.204
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.506 GAP -8.73 AZP 90.54 TAL 204.76 TAP 303.76 RCA 99.46 APO 151.02 V2 35.212
 RC 53.572 GL 21.47 GP -2.82 ZAL 125.81 ZAP 17.88 ETS 7.81 ZAE 146.39 ETE 337.91 ZAC 66.18 ETC 162.14 CLP -17.66

DISTANCE 221.151

PLANETOCENTRIC CONIC
 C3 19.612 VHL 4.429 DLA .80 RAL 297.41 RAD 6567.8 VEL 11.874 PTH 2.11 VHP 6.131 DPA -17.19 RAP 334.20 ECC 1.3228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 51 2234.62 -20.05 42.75 158.55 110.42 3 4 6 1634.6 -17.09 35.33
 90.00 14 36 47 4828.87 18.84 208.56 158.18 68.46 15 57 16 4228.9 15.74 201.25
 100.00 3 48 34 1971.04 -21.08 22.95 158.13 111.70 4 21 25 1371.0 -17.95 15.55
 100.00 15 57 45 4567.68 19.86 188.91 157.74 67.19 17 13 53 3967.7 16.60 181.64
 110.00 4 57 40 1754.75 -23.85 5.23 156.83 115.25 5 26 55 1154.7 -20.25 357.94
 110.00 17 5 9 4356.74 22.60 171.56 156.39 63.64 18 17 45 3756.7 18.88 164.40

DIFFERENTIAL CORRECTIONS
 TOE -.2726 TRA -.3352 TC3 .7088 BAU .1969 SGT 840.6 SGR 397.7 SG3 206.9 ST 376.4 SR 327.7 SS 515.2
 RDE -.2530 RRA .0390 RC3 -.2486 FAU .05319 RRT -.1337 RRF .1473 RTF -.7589 CRT .9188 CRS .9936 CST .8905
 FDE .7447 FRA -.2978 FC3 -2.4361 BSP 2532 SGB 930.0 R23 -.0176 R13 .7601 LSA 702.3 MSA 143.9 SSA 24.3
 BDE .3719 BRA .3375 BC3 .7512 FSP -567 SG1 842.8 SG2 393.1 THA 175.37 EL1 489.1 EL2 99.5 ALF 40.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.317 GAL -6.09 AZL 86.54 HCA 102.24 SMA 126.01 ECC .20012 INC 3.4628 V1 30.204
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.584 GAP -7.97 AZP 90.74 TAL 205.93 TAP 308.18 RCA 100.79 APO 151.22 V2 35.204
 RC 55.368 GL 22.04 GP -3.05 ZAL 126.85 ZAP 20.82 ETS 7.12 ZAE 146.54 ETE 337.86 ZAC 66.54 ETC 162.11 CLP -20.60

DISTANCE 227.889

PLANETOCENTRIC CONIC
 C3 19.116 VHL 4.372 DLA 1.12 RAL 296.06 RAD 6567.8 VEL 11.853 PTH 2.10 VHP 5.738 DPA -17.31 RAP 334.58 ECC 1.3146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 8 2238.30 -20.14 42.99 156.87 110.34 2 56 27 1638.3 -17.19 35.56
 90.00 14 33 44 4813.07 18.44 207.57 156.36 68.12 15 53 57 4213.1 15.31 200.29
 100.00 3 41 0 1974.23 -21.16 23.15 156.45 111.62 4 13 54 1374.2 -18.04 15.75
 100.00 15 54 33 4552.36 19.45 187.96 155.91 66.85 17 10 26 3952.4 16.15 180.72
 110.00 4 50 26 1756.90 -23.91 5.37 155.16 115.19 5 19 43 1156.9 -20.31 358.07
 110.00 17 1 37 4342.46 22.17 170.67 154.56 63.29 18 13 59 3742.5 18.40 163.56

DIFFERENTIAL CORRECTIONS
 TOE -.2747 TRA -.3170 TC3 .7353 BAU .1994 SGT 845.9 SGR 393.4 SG3 234.8 ST 381.4 SR 317.6 SS 556.2
 RDE -.2421 RRA .0326 RC3 -.2614 FAU .06135 RRT -.1518 RRF .1702 RTF -.7627 CRT .9285 CRS .9918 CST .8928
 FDE .8467 FRA -.3820 FC3 -2.7785 BSP 2552 SGB 932.9 R23 -.0239 R13 .7644 LSA 730.7 MSA 145.8 SSA 24.1
 BDE .3662 BRA .3187 BC3 .7804 FSP -653 SG1 848.6 SG2 387.6 THA 174.89 EL1 487.7 EL2 92.3 ALF 39.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 234.606

RL 147.51 LAL .00 LOL 68.60 VL 27.421 GAL -6.13 AZL 86.51 HCA 105.48 SMA 126.69 ECC .19512 INC 3.4903 V1 30.204
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.652 GAP -7.24 AZP 90.93 TAL 207.04 TAP 312.52 RCA 101.97 APO 151.41 V2 35.195
 RC 57.230 GL 22.56 GP -3.32 ZAL 127.78 ZAP 23.92 ETS 6.58 ZAE 146.98 ETE 337.58 ZAC 66.74 ETC 162.03 CLP -23.71

PLANETOCENTRIC CONIC

C3 18.713 VHL 4.326 OLA 1.42 RAL 294.83 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 5.369 DPA -17.52 RAP 334.81 ECC 1.3080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 0 2242.65 -20.24 43.27 155.37 110.24 2 49 22 1642.7 -17.30 35.82
 90.00 14 31 4 4798.68 18.07 206.68 154.73 67.82 15 51 3 4198.7 14.91 199.43
 100.00 3 34 0 1978.15 -21.26 23.40 154.95 111.52 4 6 58 1378.1 -18.15 15.99
 100.00 15 51 45 4538.42 19.08 187.09 154.29 66.54 17 7 23 3938.4 15.74 179.89
 110.00 4 43 45 1759.80 -23.99 5.55 153.68 115.11 5 13 5 1159.8 -20.41 358.24
 110.00 16 58 29 4329.54 21.77 169.88 152.93 62.97 18 10 38 3729.5 17.97 162.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2729 TRA -.2995 TC3 .7546 BAU .2009 SGT 845.1 SGR 388.8 SG3 266.8 ST 381.0 SR 306.0 SS 598.9
 RDE -.2308 RRA .0261 RC3 -.2747 FAU .06845 RRT -.1777 RRF .1996 RTF -.7651 CRT .9359 CRS .9897 CST .8933
 FDE .9620 FRA -.4802 FC3 -3.1668 BSP 2592 SGB 930.3 R23 -.0293 R13 .7673 LSA 758.3 MSA 147.8 SSA 23.8
 BDE .3574 BRA .3006 BC3 .8030 FSP -755 SG1 848.7 SG2 381.0 THA 174.14 EL1 481.2 EL2 85.3 ALF 38.35

LAUNCH DATE DEC 1 1965

FLIGHT TIME 88.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 241.300

RL 147.51 LAL .00 LOL 68.60 VL 27.513 GAL -6.16 AZL 86.48 HCA 108.72 SMA 127.31 ECC .19078 INC 3.5187 V1 30.204
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.710 GAP -6.54 AZP 91.13 TAL 208.06 TAP 316.77 RCA 103.02 APO 151.59 V2 35.186
 RC 59.152 GL 23.05 GP -3.62 ZAL 128.59 ZAP 27.22 ETS 6.12 ZAE 147.69 ETE 337.03 ZAC 66.77 ETC 161.89 CLP -27.00

PLANETOCENTRIC CONIC

C3 18.386 VHL 4.288 OLA 1.72 RAL 293.72 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 5.026 DPA -17.82 RAP 334.86 ECC 1.3026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 24 2247.67 -20.36 43.59 154.06 110.12 2 42 51 1647.7 -17.43 36.13
 90.00 14 28 51 4785.39 17.73 205.85 153.30 67.55 15 48 36 4185.4 14.53 198.63
 100.00 3 27 32 1982.72 -21.37 23.69 153.65 111.41 4 0 35 1382.7 -18.28 16.27
 100.00 15 49 24 4523.57 18.73 186.30 152.85 66.27 17 4 49 3925.6 15.36 179.12
 110.00 4 37 37 1763.38 -24.10 5.78 152.38 115.01 5 7 0 1163.4 -20.52 358.45
 110.00 16 55 49 4317.67 21.40 169.16 151.49 62.69 18 7 46 3717.7 17.57 162.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2703 TRA -.2866 TC3 .7582 BAU .1994 SGT 836.6 SGR 383.9 SG3 302.9 ST 379.5 SR 292.5 SS 646.0
 RDE -.2187 RRA .0197 RC3 -.2885 FAU .07640 RRT -.2037 RRF .2335 RTF -.7616 CRT .9415 CRS .9874 CST .8928
 FDE 1.0969 FRA -.5893 FC3 -3.5975 BSP 2565 SGB 920.5 R23 -.0404 R13 .7647 LSA 789.7 MSA 150.6 SSA 23.3
 BDE .3477 BRA .2872 BC3 .8112 FSP -869 SG1 841.2 SG2 373.8 THA 173.34 EL1 472.6 EL2 79.2 ALF 37.18

LAUNCH DATE DEC 1 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 247.968

RL 147.51 LAL .00 LOL 68.80 VL 27.593 GAL -6.18 AZL 86.45 HCA 111.95 SMA 127.85 ECC .18702 INC 3.5482 V1 30.204
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.759 GAP -5.88 AZP 91.33 TAL 208.99 TAP 320.94 RCA 103.94 APO 151.76 V2 35.176
 RC 61.127 GL 23.51 GP -3.96 ZAL 129.29 ZAP 30.73 ETS 5.72 ZAE 148.69 ETE 336.15 ZAC 66.62 ETC 161.68 CLP -30.50

PLANETOCENTRIC CONIC

C3 18.120 VHL 4.257 OLA 2.01 RAL 292.75 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 4.707 DPA -18.23 RAP 334.72 ECC 1.2982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 19 2253.34 -20.49 43.95 152.92 109.98 2 36 53 1653.3 -17.58 36.48
 90.00 14 27 7 4772.90 17.40 205.08 152.04 67.30 15 46 40 4172.9 14.18 197.89
 100.00 3 21 36 1987.96 -21.50 24.03 152.52 111.28 3 54 44 1388.0 -18.42 16.59
 100.00 15 47 32 4513.53 18.40 185.56 151.59 66.01 17 2 45 3913.5 15.00 178.41
 110.00 4 31 59 1767.64 -24.22 6.05 151.26 114.90 5 1 27 1167.6 -20.66 358.71
 110.00 16 53 38 4306.61 21.05 168.49 150.23 62.43 18 5 25 3706.6 17.19 161.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2647 TRA -.2775 TC3 .7469 BAU .1953 SGT 819.1 SGR 379.1 SG3 343.4 ST 374.0 SR 277.0 SS 696.5
 RDE -.2057 RRA .0133 RC3 -.3034 FAU .08531 RRT -.2328 RRF .2739 RTF -.7522 CRT .9449 CRS .9849 CST .8902
 FDE 1.2519 FRA -.7113 FC3 -4.0758 BSP 2499 SGB 902.6 R23 -.0565 R13 .7569 LSA 823.2 MSA 153.6 SSA 22.6
 BDE .3352 BRA .2778 BC3 .8062 FSP -997 SG1 825.0 SG2 366.0 THA 172.33 EL1 459.5 EL2 73.8 ALF 36.06

LAUNCH DATE DEC 1 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 254.611

RL 147.51 LAL .00 LOL 68.60 VL 27.662 GAL -6.20 AZL 86.42 HCA 115.18 SMA 128.32 ECC .18378 INC 3.5790 V1 30.204
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.800 GAP -5.24 AZP 91.52 TAL 209.81 TAP 324.99 RCA 104.74 APO 151.90 V2 35.166
 RC 63.151 GL 23.94 GP -4.34 ZAL 129.87 ZAP 34.47 ETS 5.35 ZAE 149.97 ETE 334.87 ZAC 66.26 ETC 161.40 CLP -34.23

PLANETOCENTRIC CONIC

C3 17.904 VHL 4.231 OLA 2.30 RAL 291.90 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 4.413 DPA -18.75 RAP 334.37 ECC 1.2947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 44 2259.69 -20.64 44.36 151.96 109.83 2 31 24 1659.7 -17.75 36.88
 90.00 14 25 55 4760.95 17.09 204.35 150.96 67.07 15 45 16 4161.0 13.83 197.18
 100.00 3 16 9 1993.86 -21.65 24.40 151.55 111.13 3 49 23 1393.9 -18.58 16.95
 100.00 15 46 12 4502.02 18.08 184.85 150.50 65.78 17 1 14 3902.0 14.65 177.73
 110.00 4 26 52 1722.56 -24.36 6.36 150.31 114.76 4 56 24 1172.6 -20.81 359.01
 110.00 16 51 59 4296.09 20.72 167.85 149.13 62.18 18 3 35 3696.1 16.83 160.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2549 TRA -.2725 TC3 .7201 BAU .1886 SGT 791.8 SGR 374.9 SG3 388.8 ST 363.0 SR 259.5 SS 750.0
 RDE -.1915 RRA .0066 RC3 -.3197 FAU .09525 RRT -.2651 RRF .3219 RTF -.7351 CRT .9457 CRS .9822 CST .8842
 FDE 1.4275 FRA -.8469 FC3 -4.6057 BSP 2397 SGB 876.0 R23 -.0796 R13 .7426 LSA 858.2 MSA 156.7 SSA 21.9
 BDE .3189 BRA .2725 BC3 .7879 FSP -1141 SG1 799.6 SG2 357.9 THA 171.04 EL1 440.8 EL2 69.5 ALF 35.05

LAUNCH DATE DEC 1 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 261.226

RL 147.51 LAL .00 LOL 68.60 VL 27.721 GAL -6.22 AZL 86.39 MCA 118.41 SMA 128.73 ECC .18099 INC 3.6116 V1 30.204
 RP 107.80 LAP 3.18 LOP 187.05 VP 37.833 GAP -4.62 AZP 91.72 TAL 210.53 TAP 328.94 RCA 105.43 APO 152.03 V2 35.155
 RC 65.219 GL 24.35 GP -4.76 ZAL 130.33 ZAP 38.45 ETS 4.99 ZAE 151.53 ETE 333.06 ZAC 65.68 ETC 161.01 CLP -38.20

PLANETOCENTRIC CONIC

C3 17.727 VHL 4.210 DLA 2.60 RAL 291.17 RAD 6567.7 VEL 11.794 PTH 2.09 VHP 4.144 DPA -19.41 RAP 333.79 ECC 1.2917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 36 2266.75 -20.80 44.81 151.15 109.66 2 26 23 1666.8 -17.93 37.31
 90.00 14 25 16 4749.26 16.77 203.63 150.03 66.85 15 44 26 4149.3 13.50 196.48
 100.00 3 11 9 2000.47 -21.81 24.83 150.75 110.96 3 44 30 1400.5 -18.77 17.36
 100.00 15 45 24 4490.78 17.76 184.17 149.57 65.55 17 0 15 3890.8 14.31 177.07
 110.00 4 22 11 1778.15 -24.52 6.71 149.52 114.60 4 51 49 1178.1 -20.99 359.34
 110.00 16 50 52 4285.87 20.39 167.24 148.20 61.95 18 2 18 3685.9 16.48 160.30

DIFFERENTIAL CORRECTIONS

TDE -.2391 TRA -.2711 TC3 .6785 BAU .1797
 RDE -.1761 RRA -.0003 RC3 -.3381 FAU .10634
 FDE 1.6217 FRA -.9985 FC3 -5.1936 BSP 2283
 BDE .2969 BRA .2711 BC3 .7581 FSP -1309

MID-COURSE EXECUTION ACCURACY

SGT 754.1 SGR 372.1 SG3 439.3
 RRT -.3012 RRF .3789 RTF -.7080
 SGB 840.9 R23 -.1120 R13 .7203
 SG1 764.7 SG2 349.9 THA 169.27

ORBIT DETERMINATION ACCURACY

ST 344.1 SR 239.8 SS 805.0
 CRT .9432 CRS .9788 CST .8725
 LSA 893.3 MSA 159.3 SSA 21.1
 EL1 414.2 EL2 66.2 ALF 34.31

LAUNCH DATE DEC 1 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 267.813

RL 147.51 LAL .00 LOL 68.60 VL 27.771 GAL -6.22 AZL 86.35 MCA 121.64 SMA 129.07 ECC .17860 INC 3.6461 V1 30.204
 RP 107.83 LAP 3.10 LOP 190.29 VP 37.859 GAP -4.03 AZP 91.91 TAL 211.14 TAP 332.77 RCA 106.02 APO 152.13 V2 35.143
 RC 67.327 GL 24.75 GP -5.23 ZAL 130.67 ZAP 42.69 ETS 4.61 ZAE 153.34 ETE 330.57 ZAC 64.88 ETC 160.52 CLP -42.43

PLANETOCENTRIC CONIC

C3 17.581 VHL 4.193 DLA 2.92 RAL 290.57 RAD 6567.7 VEL 11.788 PTH 2.08 VHP 3.901 DPA -20.19 RAP 332.96 ECC 1.2893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 52 2274.60 -20.98 45.32 150.50 109.47 2 21 46 1674.6 -18.13 37.80
 90.00 14 25 13 4737.57 16.46 202.91 149.25 66.63 15 44 10 4137.6 13.16 195.79
 100.00 3 6 34 2007.84 -21.99 25.50 150.11 110.77 3 40 2 1407.8 -18.97 17.81
 100.00 15 45 12 4479.57 17.44 183.48 148.79 65.33 16 59 51 3879.6 13.97 176.41
 110.00 4 17 56 1784.46 -24.70 7.12 148.88 114.42 4 47 40 1184.5 -21.19 359.73
 110.00 16 50 19 4275.71 20.07 166.63 147.41 61.73 18 1 35 3675.7 16.13 159.72

DIFFERENTIAL CORRECTIONS

TDE -.2191 TRA -.2772 TC3 .6137 BAU .1670
 RDE -.1590 RRA -.0075 RC3 -.3583 FAU .11821
 FDE 1.8409 FRA -1.1570 FC3 -5.8209 BSP 2081
 BDE .2707 BRA .2773 BC3 .7107 FSP -1485

MID-COURSE EXECUTION ACCURACY

SGT 705.9 SGR 371.0 SG3 493.8
 RRT -.3273 RRF .4417 RTF -.6606
 SGB 797.5 R23 -.1664 R13 .6823
 SG1 719.5 SG2 343.9 THA 167.29

ORBIT DETERMINATION ACCURACY

ST 320.7 SR 217.5 SS 864.2
 CRT .9358 CRS .9751 CST .8530
 LSA 932.9 MSA 162.2 SSA 20.2
 EL1 382.1 EL2 64.3 ALF 33.48

LAUNCH DATE DEC 1 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 274.372

RL 147.51 LAL .00 LOL 68.60 VL 27.813 GAL -6.22 AZL 86.32 MCA 124.86 SMA 129.36 ECC .17656 INC 3.6831 V1 30.204
 RP 107.87 LAP 3.02 LOP 193.52 VP 37.879 GAP -3.47 AZP 92.11 TAL 211.63 TAP 336.49 RCA 106.52 APO 152.20 V2 35.132
 RC 69.470 GL 25.15 GP -5.76 ZAL 130.90 ZAP 47.20 ETS 4.20 ZAE 155.37 ETE 327.15 ZAC 63.85 ETC 159.89 CLP -46.93

PLANETOCENTRIC CONIC

C3 17.459 VHL 4.178 DLA 3.25 RAL 290.09 RAD 6567.7 VEL 11.783 PTH 2.08 VHP 3.683 DPA -21.12 RAP 331.88 ECC 1.2873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 28 2283.31 -21.17 45.88 150.00 109.25 2 17 31 1683.3 -18.36 38.34
 90.00 14 25 46 4725.65 16.14 202.19 148.61 66.41 15 44 31 4125.7 12.81 195.09
 100.00 3 2 19 2016.04 -22.19 25.83 149.61 110.56 3 35 55 1416.0 -19.19 18.32
 100.00 15 45 35 4468.15 17.12 182.79 148.15 65.11 17 0 3 3868.2 13.62 175.75
 110.00 4 14 3 1791.54 -24.89 7.57 148.39 114.22 4 43 54 1191.5 -21.41 .16
 110.00 16 50 21 4265.42 19.73 166.02 146.76 61.51 18 1 26 3665.4 15.78 159.13

DIFFERENTIAL CORRECTIONS

TDE -.1911 TRA -.2881 TC3 .5307 BAU .1525
 RDE -.1405 RRA -.0151 RC3 -.3813 FAU .13101
 FDE 2.0746 FRA -1.3282 FC3 -6.4961 BSP 1863
 BDE .2372 BRA .2885 BC3 .6535 FSP -1685

MID-COURSE EXECUTION ACCURACY

SGT 649.6 SGR 372.9 SG3 552.5
 RRT -.3412 RRF .5115 RTF -.5853
 SGB 749.0 R23 -.2481 R13 .6253
 SG1 666.6 SG2 341.6 THA 164.85

ORBIT DETERMINATION ACCURACY

ST 288.0 SR 193.0 SS 923.2
 CRT .9193 CRS .9699 CST .8169
 LSA 972.1 MSA 164.3 SSA 19.3
 EL1 340.7 EL2 64.2 ALF 32.95

LAUNCH DATE DEC 1 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 280.902

RL 147.51 LAL .00 LOL 68.60 VL 27.846 GAL -6.21 AZL 86.28 MCA 128.09 SMA 129.60 ECC .17481 INC 3.7231 V1 30.204
 RP 107.90 LAP 2.93 LOP 196.74 VP 37.892 GAP -2.93 AZP 92.30 TAL 212.01 TAP 340.09 RCA 106.95 APO 152.26 V2 35.120
 RC 71.643 GL 25.56 GP -6.34 ZAL 131.02 ZAP 51.96 ETS 3.74 ZAE 157.54 ETE 322.46 ZAC 62.61 ETC 159.11 CLP -51.68

PLANETOCENTRIC CONIC

C3 17.357 VHL 4.166 DLA 3.60 RAL 289.72 RAD 6567.7 VEL 11.779 PTH 2.08 VHP 3.491 DPA -22.17 RAP 330.55 ECC 1.2857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 20 2293.00 -21.39 46.51 149.64 109.01 2 13 33 1693.0 -18.60 38.95
 90.00 14 26 57 4713.24 15.80 201.44 148.10 66.19 15 45 30 4113.2 12.45 194.36
 100.00 2 58 22 2025.19 -22.40 26.43 149.25 110.32 3 32 7 1425.2 -19.44 18.89
 100.00 15 46 36 4456.28 16.78 182.08 147.64 64.89 17 0 52 3856.3 13.25 175.06
 110.00 4 10 29 1799.50 -25.12 8.09 148.04 113.99 4 40 28 1199.5 -21.66 .64
 110.00 16 50 59 4254.76 19.39 165.39 146.25 61.28 18 1 53 3654.8 15.40 158.53

DIFFERENTIAL CORRECTIONS

TDE -.1572 TRA -.3075 TC3 .4216 BAU .1359
 RDE -.1201 RRA -.0228 RC3 -.4063 FAU .14402
 FDE 2.3287 FRA -1.4969 FC3 -7.1835 BSP 1568
 BDE .1978 BRA .3083 BC3 .5855 FSP -1884

MID-COURSE EXECUTION ACCURACY

SGT 591.3 SGR 378.0 SG3 613.0
 RRT -.3128 RRF .5827 RTF -.4579
 SGB 701.8 R23 -.3767 R13 .5309
 SG1 609.2 SG2 348.5 THA 162.97

ORBIT DETERMINATION ACCURACY

ST 251.0 SR 165.7 SS 985.2
 CRT .8846 CRS .9627 CST .7508
 LSA 1016.4 MSA 166.6 SSA 18.3
 EL1 293.4 EL2 66.1 ALF 32.10

LAUNCH DATE DEC 1 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 287.403

RL 147.51 LAL .00 LOL 68.60 VL 27.873 GAL -6.19 AZL 86.23 HCA 131.31 SMA 129.79 ECC .17333 INC 3.7668 V1 30.204
 RP 107.94 LAP 2.83 LOP 199.97 VP 37.900 GAP -2.41 AZP 92.49 TAL 212.27 TAP 343.58 RCA 107.29 APO 152.28 V2 35.108
 RC 73.845 GL 25.98 GP -6.99 ZAL 131.02 ZAP 56.97 ETS 3.22 ZAE 159.73 ETE 316.05 ZAC 61.16 ETC 158.15 CLP -56.69

PLANETOCENTRIC CONIC

C3 17.271 VHL 4.156 DLA 3.99 RAL 289.46 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 3.325 DPA -23.36 RAP 328.96 ECC 1.2842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 26 2303.83 -21.63 47.22 149.41 108.73 2 9 50 1703.8 -18.87 39.63
 90.00 14 28 47 4700.12 15.43 200.64 147.72 65.96 15 47 7 4100.1 12.06 193.59
 100.00 2 54 38 2035.44 -22.65 27.09 149.02 110.05 3 28 34 1435.4 -19.71 19.53
 100.00 15 48 16 4443.74 16.41 181.32 147.25 64.66 17 2 19 3843.7 12.87 174.33
 110.00 4 7 10 1808.43 -25.36 8.66 147.83 113.73 4 37 19 1208.4 -21.94 1.19
 110.00 16 52 13 4243.51 19.02 164.72 145.85 61.05 18 2 57 3643.5 15.01 157.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1152 TRA -.3340 TC3 .2891 BAU .1203 SGT 544.1 SGR 387.2 SG3 674.0 ST 210.9 SR 136.0 SS 1047.0
 RDE -.0979 RRA -.0308 RC3 -.4336 FAU .15704 RRT -.2162 RRF .6533 RTF -.2546 CRT .8065 CRS .9511 CST .6164
 FDE 2.5920 FRA -1.6612 FC3 -7.8716 BSP 1259 SGB 667.8 R23 -.5543 R13 .3647 LSA 1063.3 MSA 168.5 SSA 17.3
 BDE .1512 BRA .3354 BC3 .5212 FSP -2087 SG1 555.9 SG2 370.0 THA 164.03 EL1 240.8 EL2 70.4 ALF 30.35

LAUNCH DATE DEC 1 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 293.876

RL 147.51 LAL .00 LOL 68.60 VL 27.893 GAL -6.16 AZL 86.19 HCA 134.53 SMA 129.93 ECC .17207 INC 3.8149 V1 30.204
 RP 107.98 LAP 2.72 LOP 203.19 VP 37.903 GAP -1.91 AZP 92.68 TAL 212.42 TAP 346.95 RCA 107.57 APO 152.29 V2 35.095
 RC 76.070 GL 26.42 GP -7.69 ZAL 130.92 ZAP 62.19 ETS 2.62 ZAE 161.75 ETE 307.34 ZAC 59.56 ETC 157.00 CLP -61.91

PLANETOCENTRIC CONIC

C3 17.199 VHL 4.147 DLA 4.41 RAL 289.30 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 3.186 DPA -24.66 RAP 327.14 ECC 1.2831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 40 2316.00 -21.89 48.01 149.31 108.42 2 6 16 1716.0 -19.17 40.39
 90.00 14 31 20 4686.03 15.04 199.79 147.45 65.72 15 49 26 4086.0 11.64 192.77
 100.00 2 51 4 2046.95 -22.91 27.84 148.93 109.74 3 25 11 1447.0 -20.01 20.25
 100.00 15 50 36 4430.30 16.02 180.52 146.98 64.42 17 4 26 3830.3 12.45 173.55
 110.00 4 4 4 1818.51 -25.64 9.32 147.74 113.43 4 34 22 1218.5 -22.24 1.81
 110.00 16 54 6 4231.50 18.62 164.02 145.56 60.80 18 4 37 3631.5 14.59 157.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0637 TRA -.3668 TC3 .1356 BAU .1110 SGT 527.6 SGR 401.3 SG3 733.5 ST 176.0 SR 104.7 SS 1105.0
 RDE -.0744 RRA -.0389 RC3 -.4632 FAU .16974 RRT -.0319 RRF .7203 RTF .0306 CRT .6225 CRS .9279 CST .3280
 FDE 2.8491 FRA -1.8190 FC3 -8.5439 BSP 1041 SGB 662.9 R23 -.7223 R13 .0009 LSA 1110.8 MSA 169.6 SSA 16.3
 BDE .0979 BRA .3687 BC3 .4826 FSP -2295 SG1 528.0 SG2 400.9 THA 176.71 EL1 190.2 EL2 75.8 ALF 24.44

LAUNCH DATE DEC 1 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 300.319

RL 147.51 LAL .00 LOL 68.60 VL 27.907 GAL -6.12 AZL 86.13 HCA 137.74 SMA 130.03 ECC .17101 INC 3.8687 V1 30.204
 RP 108.02 LAP 2.60 LOP 206.40 VP 37.902 GAP -1.43 AZP 92.87 TAL 212.47 TAP 350.21 RCA 107.79 APO 152.26 V2 35.082
 RC 78.316 GL 26.88 GP -8.45 ZAL 130.70 ZAP 67.58 ETS 1.92 ZAE 163.32 ETE 295.91 ZAC 57.83 ETC 155.65 CLP -67.32

PLANETOCENTRIC CONIC

C3 17.140 VHL 4.140 DLA 4.87 RAL 289.25 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 3.075 DPA -26.06 RAP 325.12 ECC 1.2821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 56 2329.75 -22.19 48.91 149.33 108.06 2 2 46 1729.7 -19.51 41.26
 90.00 14 34 37 4670.69 14.61 198.87 147.29 65.47 15 52 27 4070.7 11.18 191.88
 100.00 2 47 35 2059.99 -23.21 28.70 148.96 109.39 3 21 55 1460.0 -20.35 21.07
 100.00 15 53 40 4415.68 15.59 179.65 146.81 64.17 17 7 15 3815.7 11.99 172.71
 110.00 4 1 5 1829.95 -25.94 10.06 147.79 113.08 4 31 35 1229.9 -22.59 2.51
 110.00 16 56 39 4218.48 18.19 163.26 145.39 60.54 18 6 57 3618.5 14.13 156.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0044 TRA -.4070 TC3 -.0424 BAU .1135 SGT 566.5 SGR 419.4 SG3 787.3 ST 169.7 SR 71.9 SS 1161.3
 RDE -.0492 RRA -.0468 RC3 -.4936 FAU .18099 RRT .2168 RRF .7792 RTF .3432 CRT .3061 CRS .8701 CST -.1511
 FDE 3.0994 FRA -1.9507 FC3 -9.1415 BSP 1049 SGB 704.8 R23 .6316 R13 .4900 LSA 1163.2 MSA 170.8 SSA 15.3
 BDE .0494 BRA .4097 BC3 .4954 FSP -2477 SG1 580.8 SG2 399.4 THA 17.70 EL1 171.4 EL2 67.7 ALF 8.77

LAUNCH DATE DEC 1 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 306.735

RL 147.51 LAL .00 LOL 68.60 VL 27.915 GAL -6.08 AZL 86.07 HCA 140.96 SMA 130.09 ECC .17012 INC 3.9295 V1 30.204
 RP 108.06 LAP 2.47 LOP 209.62 VP 37.896 GAP -.96 AZP 93.05 TAL 212.41 TAP 353.37 RCA 107.96 APO 152.22 V2 35.069
 RC 80.581 GL 27.39 GP -9.29 ZAL 130.38 ZAP 73.08 ETS 1.13 ZAE 164.11 ETE 282.01 ZAC 56.07 ETC 154.07 CLP -72.85

PLANETOCENTRIC CONIC

C3 17.096 VHL 4.135 DLA 5.39 RAL 289.29 RAD 6567.7 VEL 11.768 PTH 2.08 VHP 2.989 DPA -27.55 RAP 322.96 ECC 1.2814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 11 2345.42 -22.51 49.94 149.49 107.64 1 59 16 1745.4 -19.89 42.25
 90.00 14 38 41 4653.81 14.13 197.87 147.23 65.20 15 56 15 4053.8 10.67 190.90
 100.00 2 44 4 2074.85 -23.54 29.68 149.12 108.97 3 18 39 1474.9 -20.73 22.00
 100.00 15 57 29 4399.61 15.11 178.70 146.75 63.90 17 10 49 3799.6 11.48 171.79
 110.00 3 58 8 1843.02 -26.29 10.92 147.97 112.68 4 28 51 1243.0 -22.98 3.32
 110.00 16 59 54 4204.21 17.71 162.43 145.32 60.27 18 9 58 3601.2 13.62 155.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0635 TRA -.4535 TC3 -.2398 BAU .1318 SGT 667.5 SGR 441.5 SG3 833.0 ST 208.9 SR 40.9 SS 1212.8
 RDE -.0227 RRA -.0544 RC3 -.5246 FAU .19034 RRT .4446 RRF .8291 RTF .5889 CRT .1881 CRS .6373 CST -.5806
 FDE 3.3272 FRA -2.0520 FC3 -9.6391 BSP 1397 SGB 800.3 R23 .4887 R13 .7135 LSA 1219.3 MSA 171.6 SSA 14.2
 BDE .0675 BRA .4568 BC3 .5768 FSP -2633 SG1 708.2 SG2 372.7 THA 23.14 EL1 209.1 EL2 40.1 ALF 2.19

LAUNCH DATE DEC 1 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.918 GAL -6.02 AZL 86.00 HCA 144.17 SMA 130.11 ECC .16938 INC 3.9992 VI 30.204
 RP 108.10 LAP 2.34 LOP 212.83 VP 37.886 GAP -.52 AZP 93.24 TAL 212.25 TAP 356.42 RCA 108.07 APO 152.15 V2 35.056
 RC 82.862 GL 27.95 GP -10.20 ZAL 129.94 ZAP 78.63 ETS .23 ZAE 163.88 ETE 267.14 ZAC 54.33 ETC 152.27 CLP -78.44

PLANETOCENTRIC CONIC
 C3 17.068 VHL 4.131 DLA 5.98 RAL 289.42 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 2.931 DPA -29.11 RAP 320.71 ECC 1.2809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 14 2363.47 -22.88 51.14 149.77 107.15 1 55 38 1763.5 -20.32 43.40
 90.00 14 43 39 4635.02 13.59 196.75 147.28 64.92 16 0 54 4035.0 10.10 189.81
 100.00 2 40 25 2091.97 -23.92 30.81 149.41 108.49 3 15 17 1492.0 -21.17 23.09
 100.00 16 2 9 4381.75 14.57 177.64 146.79 63.61 17 15 11 3781.7 10.91 170.77
 110.00 3 55 9 1858.09 -26.68 11.92 148.28 112.21 4 26 7 1258.1 -23.43 4.26
 110.00 17 3 55 4188.39 17.17 161.52 145.34 59.98 18 13 43 3588.4 13.05 154.83

DIFFERENTIAL CORRECTIONS
 TOE .1401 TRA -.5045 TC3 -.4515 BAU .1635
 RDE .0047 RRA -.0617 RC3 -.5561 FAU .19750
 FDE 3.5144 FRA -2.1235 FC-10.0177 BSP 1963
 BDE .1402 BRA .5083 BC3 .7163 FSP -2768

MID-COURSE EXECUTION ACCURACY
 SGT 819.6 SGR 467.5 SG3 868.5
 RRT .6086 RRF .8703 RTF .7426
 SGB 943.6 R23 .3979 R13 .8192
 SGI 877.7 SG2 346.4 THA 22.91

ORBIT DETERMINATION ACCURACY
 ST 287.1 SR 30.0 SS 1256.0
 CRT .7980 CRS -.3908 CST -.7986
 LSA 1277.2 HSA 171.6 SSA 13.1
 EL1 288.1 EL2 18.0 ALF 4.78

LAUNCH DATE DEC 1 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.917 GAL -5.96 AZL 85.92 HCA 147.38 SMA 130.10 ECC .16878 INC 4.0807 VI 30.204
 RP 108.14 LAP 2.20 LOP 216.04 VP 37.873 GAP -.09 AZP 93.44 TAL 211.99 TAP 359.37 RCA 108.14 APO 152.06 V2 35.043
 RC 85.157 GL 28.58 GP -11.21 ZAL 129.38 ZAP 84.13 ETS 359.19 ZAE 162.51 ETE 253.49 ZAC 52.72 ETC 150.28 CLP -84.01

PLANETOCENTRIC CONIC
 C3 17.062 VHL 4.131 DLA 6.64 RAL 289.63 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 2.897 DPA -30.73 RAP 318.47 ECC 1.2808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 59 2384.49 -23.30 52.54 150.19 106.57 1 51 43 1784.5 -20.80 44.75
 90.00 14 49 36 4613.84 12.98 195.50 147.43 64.61 16 6 30 4013.8 9.45 188.59
 100.00 2 36 29 2111.92 -24.34 32.14 149.84 107.91 3 11 41 1511.9 -21.66 24.37
 100.00 16 7 46 4361.65 13.96 176.46 146.94 63.30 17 20 28 3761.6 10.26 169.62
 110.00 3 51 58 1875.68 -27.13 13.09 148.73 111.64 4 23 14 1275.7 -23.95 5.37
 110.00 17 8 47 4170.64 16.56 160.50 145.47 59.66 18 18 17 3570.6 12.41 153.85

DIFFERENTIAL CORRECTIONS
 TOE .2239 TRA -.5596 TC3 -.6744 BAU .2039
 RDE .0336 RRA -.0682 RC3 -.5866 FAU .20145
 FDE 3.6663 FRA -2.1479 FC-10.2216 BSP 2647
 BDE .2264 BRA .5637 BC3 .8939 FSP -2851

MID-COURSE EXECUTION ACCURACY
 SGT 1008.8 SGR 496.1 SG3 890.2
 RRT .7173 RRF .9029 RTF .8301
 SGB 1124.1 R23 .3406 R13 .8762
 SGI 1076.5 SG2 323.9 THA 21.47

ORBIT DETERMINATION ACCURACY
 ST 389.5 SR 56.6 SS 1294.4
 CRT .9721 CRS -.9107 CST -.8911
 LSA 1341.9 HSA 171.6 SSA 12.0
 EL1 393.4 EL2 13.1 ALF 8.04

LAUNCH DATE DEC 1 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.911 GAL -5.88 AZL 85.82 HCA 150.59 SMA 130.06 ECC .16829 INC 4.1777 VI 30.204
 RP 108.18 LAP 2.05 LOP 219.25 VP 37.856 GAP -.32 AZP 93.64 TAL 211.65 TAP 2.23 RCA 108.17 APO 151.95 V2 35.030
 RC 87.465 GL 29.29 GP -12.35 ZAL 128.70 ZAP 89.51 ETS 358.01 ZAE 160.28 ETE 242.48 ZAC 51.31 ETC 148.06 CLP -89.49

PLANETOCENTRIC CONIC
 C3 17.088 VHL 4.134 DLA 7.41 RAL 289.92 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 2.889 DPA -32.42 RAP 316.31 ECC 1.2812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 11 2409.34 -23.77 54.21 150.76 105.86 1 47 20 1809.3 -21.37 46.36
 90.00 14 56 42 4589.68 12.27 194.08 147.69 64.28 16 13 11 3989.7 8.71 187.21
 100.00 2 32 5 2135.51 -24.82 33.73 150.42 107.21 3 7 40 1535.5 -22.23 25.89
 100.00 16 14 29 4338.74 13.25 175.13 147.19 62.96 17 26 48 3738.7 9.52 168.32
 110.00 3 48 27 1896.51 -27.64 14.49 149.33 110.96 4 20 4 1296.5 -24.54 6.70
 110.00 17 14 36 4150.51 15.87 159.36 145.70 59.32 18 23 47 3550.5 11.68 152.75

DIFFERENTIAL CORRECTIONS
 TOE .3150 TRA -.6170 TC3 -.9010 BAU .2495
 RDE .0639 RRA -.0746 RC3 -.6170 FAU .20242
 FDE 3.7687 FRA -2.1367 FC-10.2553 BSP 3394
 BDE .3214 BRA .6215 BC3 1.0921 FSP -2898

MID-COURSE EXECUTION ACCURACY
 SGT 1220.3 SGR 528.1 SG3 898.3
 RRT .7890 RRF .9286 RTF .8805
 SGB 1329.7 R23 .3036 R13 .9100
 SGI 1294.0 SG2 306.0 THA 20.02

ORBIT DETERMINATION ACCURACY
 ST 508.0 SR 95.1 SS 1324.4
 CRT .9743 CRS -.9794 CST -.9342
 LSA 1411.3 HSA 170.8 SSA 10.8
 EL1 516.3 EL2 21.1 ALF 10.36

LAUNCH DATE DEC 1 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 27.901 GAL -5.80 AZL 85.70 HCA 153.79 SMA 129.99 ECC .16790 INC 4.2961 VI 30.204
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.837 GAP -.72 AZP 93.86 TAL 211.22 TAP 5.01 RCA 108.16 APO 151.82 V2 35.016
 RC 89.783 GL 30.13 GP -13.68 ZAL 127.89 ZAP 94.69 ETS 356.64 ZAE 157.43 ETE 234.31 ZAC 50.22 ETC 145.66 CLP -94.82

PLANETOCENTRIC CONIC
 C3 17.159 VHL 4.142 DLA 8.32 RAL 290.28 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 2.905 DPA -34.24 RAP 314.32 ECC 1.2824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 33 2439.28 -24.31 56.24 151.50 104.98 1 42 12 1839.3 -22.02 48.31
 90.00 15 5 11 4561.85 11.43 192.44 148.06 63.92 16 21 13 3961.7 7.84 185.61
 100.00 2 26 55 2163.94 -25.38 35.65 151.17 106.34 3 2 59 1563.9 -22.90 27.74
 100.00 16 22 30 4312.23 12.43 173.59 147.55 62.59 17 34 22 3712.2 8.66 166.83
 110.00 3 44 21 1921.63 -28.24 16.20 150.12 110.11 4 16 23 1321.6 -25.24 8.31
 110.00 17 21 34 4127.31 15.06 158.05 146.04 58.94 18 30 21 3527.3 10.83 151.49

DIFFERENTIAL CORRECTIONS
 TOE .4134 TRA -.6758 TC3 -1.1250 BAU .2977
 RDE .0971 RRA -.0803 RC3 -.6467 FAU .19984
 FDE 3.8367 FRA -2.0783 FC-10.0825 BSP 4172
 BDE .4247 BRA .6805 BC3 1.2976 FSP -2882

MID-COURSE EXECUTION ACCURACY
 SGT 1445.0 SGR 563.6 SG3 891.1
 RRT .8376 RRF .9485 RTF .9101
 SGB 1551.0 R23 .2809 R13 .9304
 SGI 1523.3 SG2 292.1 THA 18.81

ORBIT DETERMINATION ACCURACY
 ST 638.8 SR 139.4 SS 1351.1
 CRT .9747 CRS -.9942 CST -.9562
 LSA 1491.3 HSA 170.2 SSA 9.6
 EL1 653.1 EL2 30.5 ALF 12.03

LAUNCH DATE DEC 1 1965

FLIGHT TIME 118.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 338.405

RL 147.51 LAL .00 LOL 68.60 VL 27.888 GAL -5.71 AZL 85.56 MCA 156.99 SMA 129.90 ECC .16761 INC 4.4447 V1 30.204
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.815 GAP 1.10 AZP 94.09 TAL 210.70 TAP 7.69 RCA 108.12 APO 151.67 V2 35.003
 RC 92.112 GL 31.13 GP -15.27 ZAL 126.91 ZAP 99.59 ETS 355.03 ZAE 154.16 ETE 228.57 ZAC 49.54 ETC 143.09 CLP -99.95

PLANETOCENTRIC CONIC

C3 17.300 VML 4.159 DLA 9.40 RAL 290.69 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 2.945 DPA -36.24 RAP 312.60 ECC 1.2847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 38 2476.23 -24.94 58.76 152.45 103.87 1 35 54 1876.2 -22.79 50.75
 90.00 15 15 27 4528.49 10.43 190.52 148.57 63.53 16 30 55 3928.5 6.80 183.73
 100.00 2 20 35 2199.01 -26.03 38.06 152.13 105.24 2 57 14 1599.0 -23.69 30.04
 100.00 16 32 11 4280.94 11.44 171.79 148.05 62.19 17 43 31 3680.9 7.63 165.08
 110.00 3 39 19 1952.62 -28.95 18.34 151.12 109.02 4 11 52 1352.6 -26.08 10.33
 110.00 17 29 56 4100.09 14.09 156.52 146.50 58.53 18 38 16 3500.1 9.83 150.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5201 TRA -.7353 TC3-1.3386 BAU .3471
 RDE .1341 RRA -.0867 RC3 -.6787 FAU .19452
 FDE 3.8596 FRA-1.9943 FC3-9.7343 BSP 4978
 BDE .9371 BRA .7404 BC3 1.5008 FSP -2839

SGT 1675.5 SGR 606.3 SG3 870.9
 RRT .8716 RRF .9641 RTF .9288
 SGB 1781.8 R23 .2664 R13 .9440
 SGI 1759.2 SG2 283.1 TMA 17.99

ST 780.6 SR 189.1 SS 1370.7
 CRT .9766 CRS -.9983 CST -.9689
 LSA 1579.6 MSA 168.8 SSA 8.4
 EL1 802.2 EL2 39.5 ALF 13.34

LAUNCH DATE DEC 1 1965

FLIGHT TIME 120.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 344.662

RL 147.51 LAL .00 LOL 68.60 VL 27.872 GAL -5.61 AZL 85.36 MCA 160.19 SMA 129.78 ECC .16741 INC 4.6382 V1 30.204
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.791 GAP 1.47 AZP 94.36 TAL 210.11 TAP 10.30 RCA 108.06 APO 151.51 V2 34.990
 RC 94.449 GL 32.37 GP -17.27 ZAL 125.75 ZAP 104.14 ETS 353.08 ZAE 150.57 ETE 224.81 ZAC 49.41 ETC 140.32 CLP -104.83

PLANETOCENTRIC CONIC

C3 17.552 VML 4.189 DLA 10.73 RAL 291.16 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 3.010 DPA -38.57 RAP 311.24 ECC 1.2889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 43 2523.30 -25.67 62.02 153.66 102.39 1 27 46 1923.3 -23.70 53.90
 90.00 15 28 6 4488.11 9.20 188.20 149.25 63.10 16 42 54 3888.1 5.52 181.45
 100.00 2 12 25 2243.67 -26.79 41.16 153.37 103.77 2 49 49 1643.7 -24.63 33.02
 100.00 16 44 4 4242.97 10.23 169.63 148.71 61.76 17 54 47 3643.0 6.37 162.96
 110.00 3 32 49 1992.07 -29.79 21.10 152.42 107.59 4 6 1 1392.1 -27.10 12.94
 110.00 17 40 10 4067.33 12.92 154.71 147.11 58.07 18 47 57 3467.3 8.61 148.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6386 TRA -.7952 TC3-1.5318 BAU .3964
 RDE .1789 RRA -.0935 RC3 -.7123 FAU .18574
 FDE 3.8624 FRA-1.8732 FC3-9.1614 BSP 5782
 BDE .6632 BRA .8007 BC3 1.6893 FSP -2733

SGT 1906.6 SGR 658.1 SG3 836.0
 RRT .8957 RRF .9758 RTF .9405
 SGB 2017.0 R23 .2582 R13 .9529
 SGI 1997.5 SG2 279.3 TMA 17.53

ST 935.1 SR 248.4 SS 1390.1
 CRT .9786 CRS -.9995 CST -.9767
 LSA 1685.3 MSA 167.8 SSA 7.1
 EL1 866.3 EL2 49.4 ALF 14.61

LAUNCH DATE DEC 1 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 350.894

RL 147.51 LAL .00 LOL 68.60 VL 27.853 GAL -5.50 AZL 85.10 MCA 163.39 SMA 129.65 ECC .16729 INC 4.9026 V1 30.204
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.765 GAP 1.83 AZP 94.70 TAL 209.45 TAP 12.83 RCA 107.96 APO 151.34 V2 34.977
 RC 96.794 GL 33.96 GP -19.91 ZAL 124.33 ZAP 108.24 ETS 350.60 ZAE 146.63 ETE 222.68 ZAC 50.01 ETC 137.29 CLP -109.45

PLANETOCENTRIC CONIC

C3 17.993 VML 4.242 DLA 12.43 RAL 291.66 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 3.107 DPA -41.46 RAP 310.34 ECC 1.2961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 33 2585.90 -26.51 66.41 155.27 100.35 1 16 39 1985.9 -24.81 58.15
 90.00 15 44 14 4437.06 7.61 185.28 150.17 62.64 16 58 11 3837.1 3.89 178.58
 100.00 2 1 16 2302.98 -27.69 45.34 155.01 101.74 2 39 39 1703.0 -25.79 37.05
 100.00 16 59 12 4195.21 8.68 166.93 149.60 61.28 18 9 7 3595.2 4.78 160.31
 110.00 3 23 55 2044.39 -30.81 24.83 154.14 105.59 3 57 59 1444.4 -28.37 16.49
 110.00 17 53 3 4026.57 11.44 152.48 147.94 57.57 19 0 9 3426.6 7.08 146.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7752 TRA -.8568 TC3-1.6922 BAU .4455
 RDE .2358 RRA -.1030 RC3 -.7521 FAU .17424
 FDE 3.8377 FRA-1.7378 FC3-8.3836 BSP 6601
 BDE .8103 BRA .8630 BC3 1.8518 FSP -2598

SGT 2135.9 SGR 727.3 SG3 788.3
 RRT .9132 RRF .9845 RTF .9487
 SGB 2256.3 R23 .2517 R13 .9596
 SGI 2238.5 SG2 282.8 TMA 17.56

ST 1106.6 SR 322.0 SS 1406.1
 CRT .9811 CRS -.9998 CST -.9822
 LSA 1810.5 MSA 165.8 SSA 5.9
 EL1 1151.0 EL2 59.9 ALF 15.98

LAUNCH DATE DEC 1 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 357.103

RL 147.51 LAL .00 LOL 68.60 VL 27.831 GAL -5.38 AZL 84.71 MCA 166.58 SMA 129.49 ECC .16724 INC 5.2884 V1 30.204
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.737 GAP 2.18 AZP 95.14 TAL 208.71 TAP 15.29 RCA 107.84 APO 151.15 V2 34.964
 RC 99.145 GL 36.10 GP -23.63 ZAL 122.55 ZAP 111.71 ETS 347.30 ZAE 142.12 ETE 222.02 ZAC 51.68 ETC 133.88 CLP -113.81

PLANETOCENTRIC CONIC

C3 18.788 VML 4.335 DLA 14.70 RAL 292.16 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 3.250 DPA -45.32 RAP 310.11 ECC 1.3092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 15 39 2674.57 -27.43 72.73 157.47 97.31 1 0 14 2074.6 -26.14 64.30
 90.00 16 6 6 4368.65 5.46 181.41 151.50 62.17 17 18 54 3768.6 1.69 174.76
 100.00 1 44 54 2386.74 -28.70 51.36 157.27 98.73 2 24 41 1786.7 -27.20 42.88
 100.00 17 19 32 4131.71 6.58 163.38 150.88 60.78 18 28 23 3531.7 2.64 156.81
 110.00 3 10 49 2117.92 -32.03 30.21 156.54 102.63 3 46 7 1517.9 -29.96 21.61
 110.00 18 10 6 3973.29 9.48 149.60 149.11 57.00 19 16 20 3373.3 5.07 143.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9442 TRA -.9236 TC3-1.7990 BAU .4941
 RDE .3163 RRA -.1164 RC3 -.7954 FAU .15872
 FDE 3.8008 FRA-1.5782 FC3-7.3138 BSP 7436
 BDE .9958 BRA .9309 BC3 1.9670 FSP -2397

SGT 2362.9 SGR 821.9 SG3 723.4
 RRT .9258 RRF .9904 RTF .9544
 SGB 2501.7 R23 .2453 R13 .9647
 SGI 2484.2 SG2 295.6 TMA 18.11

ST 1305.1 SR 421.3 SS 1423.2
 CRT .9836 CRS -.9998 CST -.9862
 LSA 1969.6 MSA 164.1 SSA 4.6
 EL1 1369.5 EL2 72.4 ALF 17.67

LAUNCH DATE DEC 1 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 363.288

RL 147.51 LAL .00 LOL 68.60 VL 27.807 GAL -5.25 AZL 84.09 HCA 169.77 SMA 129.32 ECC .16727 INC 5.9089 V1 30.204
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.707 GAP 2.51 AZP 95.82 TAL 207.92 TAP 17.69 RCA 107.69 APO 150.95 V2 34.951
 RC 101.502 GL 39.20 GP -29.24 ZAL 120.18 ZAP 114.16 ETS 342.59 ZAE 136.43 ETE 222.79 ZAC 55.07 ETC 129.86 CLP-117.97

PLANETOCENTRIC CONIC

C3 20.346 VHL 4.511 DLA 17.94 RAL 292.60 RAD 6567.8 VEL 11.905 PTH 2.12 VHP 3.480 OPA -50.98 RAP 310.95 ECC 1.3348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 42 25 2813.09 -28.23 82.78 160.75 92.33 24 29 18 2213.1 -27.61 74.17
 90.00 16 38 56 4267.88 2.23 175.77 153.66 61.76 17 50 3 3667.9 -1.56 169.14
 100.00 1 18 16 2516.66 -29.67 60.89 160.67 93.81 2 0 12 1916.7 -28.83 52.18
 100.00 17 49 41 4039.54 3.49 158.28 152.96 60.29 18 57 1 3439.5 -1.49 151.76
 110.00 2 49 40 2230.69 -33.39 38.73 160.22 97.76 3 26 51 1630.7 -31.96 29.79
 110.00 18 34 46 3898.28 6.68 145.60 150.99 56.40 19 39 45 3298.3 2.22 139.35

DIFFERENTIAL CORRECTIONS

TDE 1.1791 TRA-1.0037 TC3-1.8118 BAU .5427
 RDE .4416 RRA -.1379 RC3 -.8358 FAU .13777
 FDE 3.7261 FRA-1.3990 FC3-5.8622 BSP 8317
 BDE 1.2591 BRA 1.0131 BC3 1.9953 FSP -2124

MID-COURSE EXECUTION ACCURACY

SGT 2590.5 SGR 957.6 SG3 634.1
 RRT .9349 RRF .9941 RTF .9592
 SGB 2761.8 R23 .2346 R13 .9697
 SG1 2743.1 SG2 320.9 THA 19.34

ORBIT DETERMINATION ACCURACY

ST 1551.6 SR 564.1 SS 1434.0
 CRT .9865 CRS -.9998 CST -.9896
 LSA 2180.8 MSA 160.9 SSA 3.4
 EL1 1648.6 EL2 86.8 ALF 19.79

LAUNCH DATE DEC 1 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 369.449

RL 147.51 LAL .00 LOL 68.60 VL 27.780 GAL -5.11 AZL 82.92 HCA 172.96 SMA 129.14 ECC .16736 INC 7.0824 V1 30.204
 RP 108.46 LAP .87 LOP 241.60 VP 37.676 GAP 2.83 AZP 97.03 TAL 207.06 TAP 20.01 RCA 107.53 APO 150.75 V2 34.939
 RC 103.862 GL 44.13 GP -38.58 ZAL 116.66 ZAP 114.56 ETS 335.34 ZAE 128.10 ETE 224.78 ZAC 61.67 ETC 124.80 CLP-122.12

PLANETOCENTRIC CONIC

C3 24.005 VHL 4.899 DLA 23.04 RAL 292.88 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 3.944 OPA -60.15 RAP 314.31 ECC 1.3951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 42 57 3074.91 -27.47 101.85 166.01 82.84 23 34 12 2474.9 -28.18 93.26
 90.00 17 40 36 4086.11 -3.63 165.62 158.22 61.90 18 48 42 3486.1 -7.36 158.93
 100.00 0 25 46 2756.04 -29.43 78.64 166.26 84.50 1 11 42 2156.0 -29.88 69.86
 100.00 18 44 24 3880.21 -1.91 149.54 157.26 60.16 19 49 4 3280.2 -5.86 142.98
 110.00 2 9 42 2430.92 -34.16 54.28 166.59 88.61 2 50 13 1830.9 -33.97 45.04
 110.00 19 16 58 3778.10 2.11 139.29 154.75 55.87 20 19 56 3178.1 -2.38 133.08

DIFFERENTIAL CORRECTIONS

TDE 1.5769 TRA-1.1219 TC3-1.6443 BAU .5904
 RDE .6667 RRA -.1713 RC3 -.8249 FAU .10624
 FDE 3.5372 FRA-1.1652 FC3-3.8316 BSP 9293
 BDE 1.7121 BRA 1.1349 BC3 1.8396 FSP -1686

MID-COURSE EXECUTION ACCURACY

SGT 2833.6 SGR 1144.0 SG3 499.3
 RRT .9411 RRF .9956 RTF .9641
 SGB 3055.8 R23 .2166 R13 .9751
 SG1 3034.4 SG2 361.3 THA 21.12

ORBIT DETERMINATION ACCURACY

ST 1893.7 SR 782.8 SS 1418.3
 CRT .9896 CRS -.9997 CST -.9927
 LSA 2487.1 MSA 156.3 SSA 2.4
 EL1 2046.4 EL2 104.2 ALF 22.31

LAUNCH DATE DEC 1 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 375.581

RL 147.51 LAL .00 LOL 68.60 VL 27.752 GAL -4.96 AZL 79.83 HCA 176.13 SMA 128.94 ECC .16751 INC 10.1704 V1 30.204
 RP 108.50 LAP .68 LOP 244.79 VP 37.644 GAP 3.14 AZP 100.15 TAL 206.13 TAP 22.26 RCA 107.34 APO 150.54 V2 34.926
 RC 106.225 GL 53.09 GP -55.88 ZAL 110.36 ZAP 110.03 ETS 322.58 ZAE 113.20 ETE 225.32 ZAC 74.99 ETC 116.99 CLP-127.65

PLANETOCENTRIC CONIC

C3 37.283 VHL 6.106 DLA 32.25 RAL 292.88 RAD 6568.5 VEL 12.596 PTH 2.28 VHP 5.393 OPA -76.43 RAP 332.10 ECC 1.6136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.88 18 6 50 4090.76 -17.64 173.44 172.63 62.56 19 15 1 3490.8 -21.18 166.25
 106.12 22 16 47 3290.46 -17.63 114.12 172.62 62.55 23 11 38 2690.5 -21.17 106.92
 73.88 18 6 50 4090.76 -17.64 173.44 172.63 62.56 19 15 1 3490.8 -21.18 166.25
 106.12 22 16 47 3290.46 -17.63 114.12 172.62 62.55 23 11 38 2690.5 -21.17 106.92
 110.00 0 12 0 2946.58 -26.60 92.14 177.11 67.70 1 1 7 2346.6 -29.38 84.06
 110.00 21 14 43 3482.63 -9.10 123.77 167.51 56.91 22 12 46 2882.6 -13.39 117.30

DIFFERENTIAL CORRECTIONS

TDE 2.5868 TRA-1.3895 TC3-1.0934 BAU .6143
 RDE 1.0932 RRA -.1948 RC3 -.5687 FAU .05630
 FDE 2.9097 FRA -.8148 FC3-1.3072 BSP 10592
 BDE 2.8083 BRA 1.4031 BC3 1.2324 FSP -983

MID-COURSE EXECUTION ACCURACY

SGT 3170.5 SGR 1257.5 SG3 284.2
 RRT .9407 RRF .9924 RTF .9735
 SGB 3410.7 R23 .1820 R13 .9826
 SG1 3387.3 SG2 399.2 THA 20.76

ORBIT DETERMINATION ACCURACY

ST 2471.4 SR 1028.1 SS 1278.8
 CRT .9922 CRS -.9994 CST -.9960
 LSA 2963.0 MSA 144.1 SSA 1.6
 EL1 2674.1 EL2 118.6 ALF 22.47

LAUNCH DATE DEC 1 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 381.582

RL 147.51 LAL .00 LOL 68.60 VL 27.722 GAL -4.78 AZL 51.64 HCA 179.20 SMA 128.73 ECC .16755 INC 38.3531 V1 30.204
 RP 108.54 LAP .50 LOP 247.97 VP 37.610 GAP 3.42 AZP 128.36 TAL 205.06 TAP 24.26 RCA 107.16 APO 150.30 V2 34.914
 RC 108.588 GL 62.89 GP -77.88 ZAL 96.06 ZAP 95.29 ETS 201.65 ZAE 75.57 ETE 115.75 ZAC 102.12 ETC 7.52 CLP 116.03

PLANETOCENTRIC CONIC

C3 870.993 VHL 19.261 DLA 45.49 RAL 302.26 RAD 6572.0 VEL 22.188 PTH 3.24 VHP 22.025 OPA -62.24 RAP 124.75 ECC 7.1056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.78 16 57 51 4843.70 -3.14 224.15 209.19 44.59 18 18 35 4243.7 -8.81 218.89
 127.22 0 44 31 3424.94 -3.12 114.06 209.17 44.59 1 41 36 2824.9 -8.79 108.80
 52.78 16 57 51 4843.70 -3.14 224.15 209.19 44.59 18 18 35 4243.7 -8.81 218.89
 127.22 0 44 31 3424.94 -3.12 114.06 209.17 44.59 1 41 36 2824.9 -8.79 108.80
 52.78 16 57 51 4843.70 -3.14 224.15 209.19 44.59 18 18 35 4243.7 -8.81 218.89
 127.22 0 44 31 3424.94 -3.12 114.06 209.17 44.59 1 41 36 2824.9 -8.79 108.80

DIFFERENTIAL CORRECTIONS

TDE 1.9768 TRA 1.1493 TC3 -.0191 BAU .8422
 RDE -11.4923 RRA 2.0143 RC3 -.1687 FAU -.01354
 FDE 2.3608 FRA -.2688 FC3 .0316 BSP 4611
 BDE 11.6610 BRA 2.3191 BC3 .1698 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 767.5 SGR 3583.2 SG3 62.4
 RRT -.5620 RRF -.9965 RTF .6288
 SGB 3664.5 R23 -.0616 R13 -.9981
 SG1 3609.9 SG2 630.1 THA 97.08

ORBIT DETERMINATION ACCURACY

ST 606.0 SR 3428.2 SS 1338.0
 CRT -.9496 CRS .9997 CST -.9575
 LSA 3724.9 MSA 188.5 SSA .5
 EL1 3476.3 EL2 187.3 ALF 99.56

LAUNCH DATE DEC 1 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 387.881

RL 147.51 LAL .00 LOL 68.60 VL 27.69D GAL -4.66 AZL 96.93 MCA 182.57 SMA 128.51 ECC .16819 INC 6.9300 V1 30.204
 RP 108.58 LAP .31 LOP 251.15 VP 37.576 GAP 3.77 AZP 83.08 TAL 204.21 TAP 26.78 RCA 106.90 APO 130.13 V2 34.903
 RC 110.951 GL -44.16 GP 65.80 ZAL 114.36 ZAP 107.94 ETS 39.90 ZAE 110.35 ETE 132.55 ZAC 54.68 ETC 231.14 CLP-138.72

PLANETOCENTRIC CONIC

C3 22.846 VHL 4.780 OLA -61.30 RAL 325.54 RAD 6567.9 VEL 12.009 PTH 2.14 VHP 7.352 DPA 41.80 RAP 286.23 ECC 1.3760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.06 5 33 27 1765.60 36.67 50.86 211.48 143.22 6 2 52 1165.6 42.91 44.75
 146.94 15 14 40 5371.26 36.68 250.11 211.49 143.21 16 44 11 4771.3 42.91 243.99
 33.06 5 33 27 1765.60 36.67 50.86 211.48 143.22 6 2 52 1165.6 42.91 44.75
 146.94 15 14 40 5371.26 36.68 250.11 211.49 143.21 16 44 11 4771.3 42.91 243.99
 33.06 5 33 27 1765.60 36.67 50.86 211.48 143.22 6 2 52 1165.6 42.91 44.75
 146.94 15 14 40 5371.26 36.68 250.11 211.49 143.21 16 44 11 4771.3 42.91 243.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -2.1647 TRA .0865 TC3-2.0590 BAU .7255 SGT 3264.1 SGR 1788.6 SG3 186.8 ST 2596.4 SR 1247.8 SS 979.4
 RDE 1.0285 RRA -.2525 RC3-1.1844 FAU .03843 RRT -.9530 RRF -.9979 RTF .9699 CRT -.9919 CRS .9996 CST -.9932
 FDE -1.2760 FRA .2528 FC3-1.4563 BSP 11855 SGB 3722.0 R23 .1756 R13 -.9843 LSA 3038.5 MSA 158.7 SSA .8
 BDE 2.3966 BRA .2669 BC3 2.3793 FSP -617 SG1 3691.0 SG2 479.3 TMA 151.91 EL1 2877.1 EL2 142.9 ALF 154.45

LAUNCH DATE DEC 1 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 393.942

RL 147.51 LAL .00 LOL 68.60 VL 27.657 GAL -4.48 AZL 91.22 MCA 185.73 SMA 128.29 ECC .16854 INC 1.2162 V1 30.204
 RP 108.61 LAP .12 LOP 254.32 VP 37.542 GAP 4.05 AZP 88.78 TAL 203.12 TAP 28.85 RCA 106.67 APO 149.91 V2 34.892
 RC 113.313 GL -10.28 GP 41.02 ZAL 124.88 ZAP 122.38 ETS 30.29 ZAE 127.88 ETE 141.73 ZAC 39.67 ETC 209.40 CLP-135.22

PLANETOCENTRIC CONIC

C3 10.841 VHL 3.293 OLA -29.46 RAL 308.06 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 4.583 DPA 17.90 RAP 295.11 ECC 1.1784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.52 8 4 36 981.48 23.55 332.30 167.53 108.23 8 20 58 381.5 25.82 324.27
 98.48 10 24 2 5819.16 23.56 277.14 167.53 108.21 12 1 1 5219.2 25.83 269.11
 100.00 9 52 57 630.67 20.65 305.46 166.38 112.10 10 3 28 30.7 23.47 297.79
 100.00 11 18 23 5645.20 26.53 265.20 168.49 104.30 12 52 28 5045.2 28.23 256.81
 110.00 9 29 21 705.00 13.97 307.53 162.85 121.52 9 41 6 105.0 18.04 300.78
 110.00 13 58 27 5143.63 33.92 228.58 169.91 94.55 15 24 11 4543.6 34.17 219.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5045 TRA -.4430 TC3-4.6846 BAU .7401 SGT 3327.3 SGR 1369.5 SG3 399.0 ST 921.9 SR 289.7 SS 334.1
 RDE .1646 RRA -.0262 RC3 2.0322 FAU .08636 RRT -.9509 RRF -.9994 RTF .9546 CRT -.9400 CRS .9994 CST -.9472
 FDE -.4782 FRA .0412 FC3-6.8965 BSP 11138 SGB 3598.1 R23 .2540 R13 -.9666 LSA 1013.8 MSA 132.5 SSA 5.7
 BDE .5307 BRA .4438 BC3 5.1064 FSP -1302 SG1 3576.5 SG2 394.2 TMA 158.35 EL1 961.6 EL2 94.7 ALF 163.38

LAUNCH DATE DEC 1 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 400.002

RL 147.51 LAL .00 LOL 68.60 VL 27.623 GAL -4.29 AZL 89.57 MCA 188.90 SMA 128.05 ECC .16899 INC .4241 V1 30.204
 RP 108.64 LAP -.07 LOP 257.50 VP 37.506 GAP 4.34 AZP 90.42 TAL 202.01 TAP 30.91 RCA 106.41 APO 149.69 V2 34.881
 RC 115.673 GL 3.68 GP 28.18 ZAL 123.90 ZAP 130.11 ETS 24.12 ZAE 133.77 ETE 152.32 ZAC 35.43 ETC 193.08 CLP-136.96

PLANETOCENTRIC CONIC

C3 10.318 VHL 3.212 OLA -15.54 RAL 306.05 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 4.104 DPA 5143 RAP 298.43 ECC 1.1698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 10 1563.33 .28 3.44 157.62 118.32 5 37 13 963.3 3.51 356.80
 90.00 13 1 24 5217.26 26.35 234.47 161.80 79.23 14 28 22 4617.3 24.60 226.24
 100.00 6 23 58 1328.40 -1.22 345.64 157.09 119.87 6 46 7 728.4 2.76 339.12
 100.00 14 31 17 4927.43 27.41 212.90 161.55 77.58 15 53 24 4327.4 25.42 204.67
 110.00 7 13 14 1174.08 -3.64 332.43 155.58 124.01 7 32 48 574.1 .85 326.22
 110.00 15 58 30 4654.51 30.17 191.35 160.73 73.10 17 16 5 4054.5 27.56 183.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0037 TRA -.5825 TC3-5.1733 BAU .7457 SGT 3494.2 SGR 1006.8 SG3 490.3 ST 338.6 SR 33.2 SS 174.7
 RDE -.0077 RRA .0038 RC3 1.5669 FAU .10491 RRT -.9532 RRF -.9976 RTF .9532 CRT -.3208 CRS .7023 CST -.1413
 FDE .2588 FRA -.0541 FC3-8.8026 BSP 11312 SGB 3636.3 R23 .2732 R13 -.9595 LSA 340.0 MSA 173.7 SSA 22.3
 BDE .0085 BRA .5825 BC3 5.4054 FSP -1600 SG1 3624.4 SG2 293.4 TMA 164.54 EL1 338.8 EL2 31.4 ALF 178.18

LAUNCH DATE DEC 1 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 406.047

RL 147.51 LAL .00 LOL 68.60 VL 27.588 GAL -4.10 AZL 88.78 MCA 192.08 SMA 127.81 ECC .16952 INC 1.2149 V1 30.204
 RP 108.68 LAP -.25 LOP 260.67 VP 37.471 GAP 4.61 AZP 91.19 TAL 200.85 TAP 32.93 RCA 106.15 APO 149.48 V2 34.870
 RC 118.029 GL 10.40 GP 20.92 ZAL 121.62 ZAP 134.90 ETS 19.88 ZAE 135.44 ETE 159.77 ZAC 35.06 ETC 182.45 CLP-139.09

PLANETOCENTRIC CONIC

C3 10.466 VHL 3.235 OLA -8.60 RAL 306.16 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 4.009 DPA -1.57 RAP 300.59 ECC 1.1722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 44 1801.33 -7.87 16.80 157.33 117.29 4 42 45 1201.3 -4.15 10.10
 90.00 14 0 46 4984.98 22.42 218.60 159.84 72.24 15 23 51 4385.0 19.78 210.92
 100.00 5 29 54 1552.38 -8.71 358.04 156.88 118.71 5 55 46 952.4 -4.82 351.43
 100.00 15 26 17 4709.16 23.33 197.99 159.51 70.76 16 44 46 4109.2 20.49 190.34
 110.00 6 28 37 1368.49 -10.93 342.76 155.54 122.59 6 51 26 768.5 -6.55 336.40
 110.00 16 44 3 4465.81 25.72 178.48 158.49 66.67 17 58 28 3865.8 22.34 170.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2571 TRA -.6383 TC3-5.3257 BAU .7638 SGT 3659.0 SGR 779.9 SG3 515.0 ST 579.4 SR 72.5 SS 422.1
 RDE -.0387 RRA .0055 RC3 1.2007 FAU .10905 RRT -.9529 RRF -.9933 RTF .9535 CRT -.8251 CRS .9832 CST -.8203
 FDE .6808 FRA -.0660 FC3-9.0210 BSP 11720 SGB 3741.2 R23 .2674 R13 -.9569 LSA 690.6 MSA 205.2 SSA 12.9
 BDE .2600 BRA .6383 BC3 5.4593 FSP -1697 SG1 3734.0 SG2 231.8 TMA 168.47 EL1 582.5 EL2 40.8 ALF 174.07

LAUNCH DATE DEC 1 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 412.076

RL 147.51 LAL .00 LOL 68.60 VL 27.551 GAL -3.90 AZL 88.32 HCA 195.25 SMA 127.57 ECC .17013 INC 1.6778 V1 30.204
 RP 108.71 LAP -.44 LOP 263.84 VP 37.435 GAP 4.88 AZP 91.62 TAL 199.66 TAP 34.91 RCA 105.86 APO 149.27 V2 34.860
 RC 120.382 GL 14.29 GP 16.39 ZAL 119.31 ZAP 138.39 ETS 16.93 ZAE 135.60 ETE 164.72 ZAC 35.94 ETC 175.83 CLP-141.21

PLANETOCENTRIC CONIC

C3 10.635 VHL 3.261 DLA -4.38 RAL 306.99 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.029 DPA -5.86 RAP 302.37 ECC 1.1750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 36 1938.39 -12.05 24.70 158.50 115.82 4 15 55 1338.4 -8.48 17.84
 90.00 14 36 29 4854.43 19.47 210.17 159.82 69.02 15 57 23 4254.4 16.44 202.80
 100.00 5 2 54 1682.61 -12.88 5.47 158.08 117.21 5 30 56 1082.6 -9.13 358.69
 100.00 15 59 53 4585.44 20.33 190.03 159.46 67.60 17 16 18 3985.4 17.11 182.71
 110.00 6 6 26 1483.71 -15.07 349.12 156.82 121.05 6 31 10 883.7 -10.85 342.56
 110.00 17 12 50 4357.11 22.61 171.58 158.34 63.65 18 25 27 3757.1 18.89 164.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4314 TRA -.6576 TC3-5.4449 BAU .7863 SGT 3811.7 SGR 635.4 SG3 512.1 ST 840.7 SR 67.0 SS 565.0
 RDE -.0366 RRA .0007 RC3 .9692 FAU .10742 RRT -.9476 RRF -.9848 RTF .9535 CRT -.9029 CRS .9836 CST -.9142
 FDE .9187 FRA -.0318 FC3-8.7441 BSP 12173 SGB 3864.3 R23 .2466 R13 -.9555 LSA .996.2 MSA 194.5 SSA 12.0
 BDE .4330 BRA .6576 BC3 5.5305 FSP -1701 SGI 3859.1 SG2 200.5 THA 171.00 EL1 842.9 EL2 28.7 ALF 175.88

LAUNCH DATE DEC 1 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 418.092

RL 147.51 LAL .00 LOL 68.60 VL 27.514 GAL -3.69 AZL 88.02 HCA 198.42 SMA 127.32 ECC .17082 INC 1.9839 V1 30.204
 RP 108.74 LAP -.63 LOP 267.01 VP 37.398 GAP 5.15 AZP 91.88 TAL 198.42 TAP 36.85 RCA 105.57 APO 149.06 V2 34.851
 RC 122.731 GL 16.84 GP 13.34 ZAL 117.06 ZAP 141.21 ETS 14.83 ZAE 135.22 ETE 168.06 ZAC 37.26 ETC 171.61 CLP-143.23

PLANETOCENTRIC CONIC

C3 10.761 VHL 3.280 DLA -1.43 RAL 308.18 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.095 DPA -8.65 RAP 304.03 ECC 1.1771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 21 2032.57 -14.78 30.28 160.14 114.43 4 0 14 1432.6 -11.36 23.27
 90.00 15 3 14 4765.03 17.19 204.60 160.58 67.15 16 22 39 4165.0 13.95 197.42
 100.00 4 47 2 1772.32 -15.61 10.73 159.74 115.82 5 16 34 1172.3 -12.01 3.79
 100.00 16 25 15 4500.51 18.03 184.76 160.19 65.75 17 40 15 3900.5 14.61 177.64
 110.00 5 53 45 1563.46 -17.82 353.67 158.53 119.67 6 19 49 963.5 -13.73 346.93
 110.00 17 35 1 4282.14 20.27 167.02 159.03 61.87 18 46 23 3682.1 16.35 160.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6010 TRA -.6193 TC3-5.4413 BAU .7910 SGT 3875.1 SGR 522.5 SG3 484.1 ST 1104.0 SR 59.9 SS 708.9
 RDE -.0329 RRA -.0137 RC3 .7907 FAU .09912 RRT -.9316 RRF -.9678 RTF .9464 CRT -.9010 CRS .9788 CST -.9461
 FDE 1.1431 FRA .1169 FC3-7.9743 BSP 11769 SGB 3910.2 R23 .2312 R13 -.9479 LSA 1298.5 MSA 196.2 SSA 11.3
 BDE .6019 BRA .6195 BC3 5.4984 FSP -1479 SGI 3905.7 SG2 188.4 THA 172.82 EL1 1105.3 EL2 26.0 ALF 177.20

LAUNCH DATE DEC 1 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 424.086

RL 147.51 LAL .00 LOL 68.60 VL 27.476 GAL -3.47 AZL 87.80 HCA 201.59 SMA 127.06 ECC .17162 INC 2.2025 V1 30.204
 RP 108.76 LAP -.81 LOP 270.17 VP 37.362 GAP 5.41 AZP 92.05 TAL 197.16 TAP 38.76 RCA 105.26 APO 148.87 V2 34.842
 RC 125.075 GL 18.66 GP 11.17 ZAL 114.85 ZAP 143.63 ETS 13.28 ZAE 134.63 ETE 170.39 ZAC 38.75 ETC 168.86 CLP-145.16

PLANETOCENTRIC CONIC

C3 10.853 VHL 3.294 DLA .84 RAL 309.59 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.184 DPA -10.55 RAP 305.66 ECC 1.1786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 12 2104.42 -16.75 34.63 162.00 113.17 3 50 16 1504.4 -13.47 27.48
 90.00 15 25 37 4696.66 15.34 200.43 161.74 65.90 16 43 53 4096.7 11.96 193.39
 100.00 4 36 55 1840.79 -17.59 14.85 161.61 114.56 5 7 36 1240.8 -14.13 7.77
 100.00 16 46 34 4435.53 16.17 180.83 161.34 64.51 18 0 29 3835.5 12.61 173.85
 110.00 5 46 4 1624.39 -19.83 357.24 160.43 118.43 6 13 8 1024.4 -15.88 350.35
 110.00 17 53 55 4224.69 18.39 163.62 160.13 60.67 19 4 20 3624.7 14.35 156.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6924 TRA -.6214 TC3-5.6435 BAU .8253 SGT 4055.2 SGR 469.7 SG3 474.3 ST 1252.2 SR 30.1 SS 738.5
 RDE -.0146 RRA -.0156 RC3 .7107 FAU .09689 RRT -.9147 RRF -.9473 RTF .9499 CRT -.7822 CRS .8836 CST -.9567
 FDE 1.1707 FRA .1292 FC3-7.7292 BSP 12690 SGB 4082.3 R23 .1892 R13 -.9509 LSA 1441.9 MSA 187.2 SSA 12.5
 BDE .6926 BRA .6216 BC3 5.6881 FSP -1537 SGI 4078.0 SG2 188.7 THA 173.94 EL1 1252.4 EL2 18.8 ALF 178.92

LAUNCH DATE DEC 1 1965

FLIGHT TIME 148.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 430.065

RL 147.51 LAL .00 LOL 68.60 VL 27.438 GAL -3.24 AZL 87.63 HCA 204.76 SMA 126.80 ECC .17250 INC 2.3673 V1 30.204
 RP 108.79 LAP -.99 LOP 273.34 VP 37.326 GAP 5.67 AZP 92.15 TAL 195.87 TAP 40.63 RCA 104.93 APO 148.68 V2 34.834
 RC 127.413 GL 20.02 GP 9.55 ZAL 112.64 ZAP 145.78 ETS 12.12 ZAE 133.99 ETE 172.05 ZAC 40.33 ETC 167.03 CLP-146.98

PLANETOCENTRIC CONIC

C3 10.921 VHL 3.305 DLA 2.70 RAL 311.17 RAD 6567.4 VEL 11.503 PTH 2.00 VHP 4.286 DPA -11.87 RAP 307.32 ECC 1.1797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 39 2163.57 -18.30 38.28 164.00 111.99 3 43 42 1563.6 -15.15 31.01
 90.00 15 45 45 4640.08 13.74 197.05 163.17 64.99 17 3 5 4040.1 10.25 190.11
 100.00 4 30 15 1897.13 -19.15 18.31 163.62 113.40 5 1 52 1297.1 -15.82 11.10
 100.00 17 5 50 4381.75 14.57 177.64 162.76 63.61 18 18 52 3781.7 10.91 170.77
 110.00 5 41 23 1674.49 -21.43 .26 162.48 117.29 6 9 17 1074.5 -17.60 353.22
 110.00 18 11 12 4177.16 16.79 160.87 161.52 59.78 19 20 49 3577.2 12.65 154.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7898 TRA -.5926 TC3-5.7803 BAU .8492 SGT 4186.7 SGR 427.7 SG3 455.5 ST 1408.4 SR 17.2 SS 779.8
 RDE -.0003 RRA -.0219 RC3 .6446 FAU .09209 RRT -.8874 RRF -.9177 RTF .9496 CRT .0520 CRS .1173 CST -.9640
 FDE 1.2104 FRA .1936 FC3-7.2999 BSP 13152 SGB 4208.5 R23 .1587 R13 -.9503 LSA 1599.5 MSA 182.9 SSA 13.3
 BDE .7898 BRA .5931 BC3 5.8161 FSP -1490 SGI 4204.0 SG2 196.3 THA 174.81 EL1 1408.4 EL2 17.1 ALF .04

LAUNCH DATE DEC 1 1965

FLIGHT TIME 150.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 436.029

RL 147.51 LAL .00 LOL 68.60 VL 27.399 GAL -3.00 AZL 87.50 HCA 207.93 SMA 126.55 ECC .17347 INC 2.4968 V1 30.204
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.290 GAP 5.93 AZP 92.21 TAL 194.54 TAP 42.47 RCA 104.59 APO 148.50 V2 34.826
 RC 129.747 GL 21.08 GP 8.31 ZAL 110.40 ZAP 147.73 ETS 11.24 ZAE 133.37 ETE 173.28 ZAC 41.98 ETC 165.81 CLP-148.70

PLANETOCENTRIC CONIC

C3 10.979 VHL 3.313 DLA 4.32 RAL 312.88 RAD 6567.4 VEL 11.505 PTH 2.00 VHP 4.396 DPA -12.79 RAP 309.02 ECC 1.1807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 25 2214.99 -19.58 41.51 166.14 110.88 3 39 20 1615.0 -16.57 34.13
 90.00 16 4 41 4590.84 12.30 194.15 164.81 64.29 17 21 12 3990.8 8.74 187.28
 100.00 4 25 47 1946.09 -20.45 21.37 165.77 112.29 4 58 13 1346.1 -17.24 14.04
 100.00 17 24 0 4334.97 13.14 174.91 164.38 62.91 18 36 15 3735.0 9.40 168.11
 110.00 5 38 41 1717.97 -22.76 2.93 164.65 116.22 6 7 19 1118.0 -19.05 355.75
 110.00 18 27 37 4135.85 15.36 158.53 163.11 59.08 19 36 32 3535.9 11.14 151.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8817 TRA -.5507 TC3-5.9057 BAU .8712 SGT 4307.3 SGR 398.8 SG3 435.8 ST 1555.8 SR 29.5 SS 813.9
 RDE .0130 RRA -.0289 RC3 .5960 FAU .08701 RRT -.8522 RRF -.8806 RTF .9487 CRT .8083 CRS -.6983 CST -.9689
 FDE 1.2343 FRA .2648 FC3-6.8609 BSP 13543 SGB 4325.7 R23 .1343 R13 -.9492 LSA 1746.8 MSA 179.6 SSA 14.1
 BDE .8818 BRA .5514 BC3 5.9357 FSP -1429 SG1 4320.7 SG2 208.0 TMA 175.48 EL1 1555.9 EL2 17.3 ALF .88

LAUNCH DATE DEC 1 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 441.977

RL 147.51 LAL .00 LOL 68.60 VL 27.359 GAL -2.74 AZL 87.40 HCA 211.10 SMA 126.28 ECC .17455 INC 2.6016 V1 30.204
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.254 GAP 6.18 AZP 92.23 TAL 193.18 TAP 44.28 RCA 104.24 APO 148.33 V2 34.819
 RC 132.074 GL 21.92 GP 7.32 ZAL 108.12 ZAP 149.53 ETS 10.57 ZAE 132.78 ETE 174.20 ZAC 43.68 ETC 165.00 CLP-150.34

PLANETOCENTRIC CONIC

C3 11.037 VHL 3.322 DLA 5.76 RAL 314.73 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.512 DPA -13.41 RAP 310.76 ECC 1.1816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 48 2261.56 -20.68 44.48 168.40 109.79 3 36 30 1661.6 -17.80 36.99
 90.00 16 23 0 4546.43 10.98 191.56 166.62 63.73 17 38 46 3946.4 7.36 184.75
 100.00 4 22 53 1990.40 -21.56 24.18 168.04 111.22 4 56 3 1390.4 -18.49 16.74
 100.00 17 41 37 4292.83 11.82 172.47 166.18 62.34 18 53 9 3692.8 8.02 165.74
 110.00 5 37 22 1757.26 -23.92 5.39 166.95 115.18 6 6 40 1157.3 -20.33 358.09
 110.00 18 43 36 4098.72 14.05 156.45 164.89 58.51 19 51 55 3498.7 9.78 149.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9687 TRA -.4993 TC3-6.0257 BAU .8930 SGT 4423.8 SGR 380.1 SG3 416.8 ST 1695.0 SR 49.2 SS 840.3
 RDE .0256 RRA -.0360 RC3 .5604 FAU .08216 RRT -.8106 RRF -.8376 RTF .9480 CRT .9259 CRS -.8481 CST -.9727
 FDE 1.2437 FRA .3326 FC3-6.4448 BSP 13916 SGB 4440.1 R23 .1148 R13 -.9484 LSA 1884.3 MSA 176.1 SSA 14.9
 BDE .9691 BRA .5006 BC3 6.0517 FSP -1369 SG1 4434.6 SG2 222.0 TMA 176.01 EL1 1695.7 EL2 18.6 ALF 1.54

LAUNCH DATE DEC 1 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 447.909

RL 147.51 LAL .00 LOL 68.60 VL 27.319 GAL -2.48 AZL 87.31 HCA 214.27 SMA 126.02 ECC .17574 INC 2.6889 V1 30.204
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.219 GAP 6.44 AZP 92.22 TAL 191.79 TAP 46.06 RCA 103.88 APO 148.17 V2 34.812
 RC 134.395 GL 22.60 GP 6.53 ZAL 105.80 ZAP 151.20 ETS 10.05 ZAE 132.23 ETE 174.92 ZAC 45.42 ETC 164.47 CLP-151.89

PLANETOCENTRIC CONIC

C3 11.104 VHL 3.332 DLA 7.10 RAL 316.68 RAD 6567.4 VEL 11.511 PTH 2.00 VHP 4.632 DPA -13.81 RAP 312.56 ECC 1.1827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 22 2305.07 -21.66 47.30 170.78 108.70 3 34 47 1705.1 -18.90 39.70
 90.00 16 41 1 4505.40 9.73 189.19 168.60 63.28 17 56 7 3905.4 6.07 182.43
 100.00 4 21 6 2031.76 -22.56 26.85 170.44 110.15 4 54 58 1431.8 -19.61 19.30
 100.00 17 58 58 4254.01 10.58 170.25 168.15 61.88 19 9 52 3654.0 6.74 163.57
 110.00 5 37 7 1793.89 -24.96 7.72 169.37 114.15 6 7 1 1193.9 -21.48 .30
 110.00 18 59 27 4064.58 12.82 154.56 166.83 58.04 20 7 12 3464.6 8.51 148.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0524 TRA -.4393 TC3-6.1365 BAU .9144 SGT 4536.4 SGR 368.7 SG3 398.6 ST 1828.0 SR 69.2 SS 861.2
 RDE .0376 RRA -.0431 RC3 .5330 FAU .07755 RRT -.7646 RRF -.7905 RTF .9473 CRT .9542 CRS -.8880 CST -.9755
 FDE 1.2437 FRA .3974 FC3-6.0460 BSP 14307 SGB 4551.4 R23 .0996 R13 -.9476 LSA 2014.5 MSA 172.7 SSA 15.6
 BDE 1.0531 BRA .4414 BC3 6.1596 FSP -1315 SG1 4545.2 SG2 237.1 TMA 176.43 EL1 1829.2 EL2 20.7 ALF 2.07

LAUNCH DATE DEC 1 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 453.826

RL 147.51 LAL .00 LOL 68.60 VL 27.279 GAL -2.21 AZL 87.24 HCA 217.43 SMA 125.76 ECC .17705 INC 2.7630 V1 30.204
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.184 GAP 6.69 AZP 92.19 TAL 190.38 TAP 47.82 RCA 103.50 APO 148.03 V2 34.806
 RC 136.709 GL 23.13 GP 5.88 ZAL 103.42 ZAP 152.77 ETS 9.66 ZAE 131.74 ETE 175.47 ZAC 47.21 ETC 164.15 CLP-153.36

PLANETOCENTRIC CONIC

C3 11.187 VHL 3.345 DLA 8.35 RAL 318.74 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 4.757 DPA -14.03 RAP 314.40 ECC 1.1841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 49 2346.69 -22.54 50.03 173.30 107.61 3 33 55 1746.7 -19.92 42.33
 90.00 16 59 0 4466.84 8.54 186.98 170.73 62.90 18 13 26 3866.8 4.84 180.25
 100.00 4 20 12 2071.29 -23.46 29.44 172.97 109.07 4 54 43 1471.3 -20.64 21.78
 100.00 18 16 17 4217.48 9.40 168.19 170.27 61.49 19 26 35 3617.5 5.52 161.55
 110.00 5 37 40 1828.85 -25.91 9.99 171.93 113.11 6 8 9 1228.8 -22.56 2.44
 110.00 19 15 18 4032.68 11.67 152.81 168.92 57.64 20 22 31 3432.7 7.31 146.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1372 TRA -.3674 TC3-6.2216 BAU .9336 SGT 4639.0 SGR 361.9 SG3 380.7 ST 1961.5 SR 88.3 SS 881.0
 RDE .0488 RRA -.0507 RC3 .5098 FAU .07292 RRT -.7151 RRF -.7398 RTF .9461 CRT .9627 CRS -.9004 CST -.9779
 FDE 1.2416 FRA .4644 FC3-5.6429 BSP 14612 SGB 4653.1 R23 .0876 R13 -.9464 LSA 2145.3 MSA 169.7 SSA 16.3
 BDE 1.1383 BRA .3709 BC3 6.2424 FSP -1254 SG1 4646.3 SG2 252.6 TMA 176.80 EL1 1963.3 EL2 23.9 ALF 2.48

LAUNCH DATE DEC 1 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 459.727

RL 147.51 LAL .00 LOL 68.60 VL 27.239 GAL -1.93 AZL 87.17 HCA 220.60 SMA 125.50 ECC .17848 INC 2.8272 V1 30.204
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.149 GAP 6.94 AZP 92.15 TAL 188.95 TAP 49.54 RCA 103.10 APO 147.90 V2 34.801
 RC 139.015 GL 23.55 GP 5.34 ZAL 100.99 ZAP 154.24 ETS 9.37 ZAE 131.30 ETE 175.92 ZAC 49.04 ETC 163.98 CLP-154.77

PLANETOCENTRIC CONIC

C3 11.293 VHL 3.360 DLA 9.54 RAL 320.89 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.885 OPA -14.12 RAP 316.29 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 58 2387.17 -23.35 52.72 175.95 106.49 3 33 45 1787.2 -20.87 44.93
 90.00 17 17 2 4430.25 7.40 184.90 173.02 62.59 18 30 52 3830.3 3.67 178.20
 100.00 4 20 0 2109.71 -24.29 31.99 175.63 107.97 4 55 10 1509.7 -21.61 24.22
 100.00 18 33 41 4182.95 8.27 166.24 172.55 61.17 19 43 24 3582.9 4.36 159.64
 110.00 5 38 55 1862.78 -26.80 12.23 174.62 112.06 6 9 57 1262.8 -23.57 4.56
 110.00 19 31 16 4002.64 10.57 151.18 171.17 57.30 20 37 59 3402.6 6.18 144.83

DIFFERENTIAL CORRECTIONS

TDE 1.2199 TRA -.2893 TC3-6.2974 BAU .9536
 RDE .0598 RRA -.0581 RC3 .4906 FAU .06874
 FDE 1.2330 FRA .5235 FC3-5.2699 BSP 14962
 BDE 1.2214 BRA .2950 BC3 6.3165 FSP -1204

MID-COURSE EXECUTION ACCURACY

SGT 4742.3 SGR 359.4 SG3 364.3
 RRT -.6649 RRF -.6891 RTF .9456
 SGB 4755.9 R23 .0781 R13 -.9458
 SG1 4748.4 SG2 268.1 THA 177.11

ORBIT DETERMINATION ACCURACY

ST 2089.2 SR 106.7 SS 895.8
 CRT .9653 CRS -.9051 CST -.9800
 LSA 2269.5 MSA 166.3 SSA 17.0
 EL1 2091.8 EL2 27.8 ALF 2.82

LAUNCH DATE DEC 1 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 465.612

RL 147.51 LAL .00 LOL 68.60 VL 27.198 GAL -1.64 AZL 87.12 HCA 223.76 SMA 125.24 ECC .18004 INC 2.8835 V1 30.204
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.115 GAP 7.19 AZP 92.08 TAL 187.49 TAP 51.25 RCA 102.69 APO 147.78 V2 34.797
 RC 141.312 GL 23.86 GP 4.88 ZAL 98.50 ZAP 155.65 ETS 9.18 ZAE 130.91 ETE 176.28 ZAC 50.91 ETC 163.92 CLP-156.11

PLANETOCENTRIC CONIC

C3 11.427 VHL 3.380 DLA 10.68 RAL 323.14 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.017 OPA -14.08 RAP 318.21 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 43 2427.05 -24.09 55.40 178.74 105.35 3 34 10 1827.0 -21.75 47.51
 90.00 17 35 14 4395.30 6.30 182.92 175.46 62.34 18 48 29 3795.3 2.55 176.25
 100.00 4 20 23 2147.51 -25.06 34.54 178.43 106.85 4 56 11 1547.5 -22.52 26.66
 100.00 18 51 15 4150.07 7.19 164.40 174.97 60.91 20 0 25 3550.1 3.26 157.82
 110.00 5 40 43 1896.13 -27.63 14.47 177.45 110.97 6 12 19 1296.1 -24.53 6.67
 110.00 19 47 24 3974.22 9.52 149.65 173.56 57.01 20 53 38 3374.2 5.11 143.33

DIFFERENTIAL CORRECTIONS

TDE 1.3023 TRA -.2019 TC3-6.3488 BAU .9726
 RDE .0705 RRA -.0656 RC3 .4730 FAU .06473
 FDE 1.2204 FRA .5804 FC3-4.9039 BSP 15301
 BDE 1.3042 BRA .2123 BC3 6.3664 FSP -1156

MID-COURSE EXECUTION ACCURACY

SGT 4839.2 SGR 359.6 SG3 348.5
 RRT -.6145 RRF -.6384 RTF .9450
 SGB 4852.5 R23 .0706 R13 -.9452
 SG1 4844.2 SG2 283.4 THA 177.38

ORBIT DETERMINATION ACCURACY

ST 2213.4 SR 124.6 SS 907.1
 CRT .9648 CRS -.9054 CST -.9817
 LSA 2389.7 MSA 163.0 SSA 17.7
 EL1 2216.7 EL2 32.7 ALF 3.11

LAUNCH DATE DEC 1 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 471.482

RL 147.51 LAL .00 LOL 68.60 VL 27.157 GAL -1.33 AZL 87.07 HCA 226.92 SMA 124.97 ECC .18174 INC 2.9336 V1 30.204
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.082 GAP 7.45 AZP 92.00 TAL 186.01 TAP 52.93 RCA 102.26 APO 147.69 V2 34.793
 RC 143.598 GL 24.08 GP 4.50 ZAL 95.97 ZAP 156.98 ETS 9.06 ZAE 130.56 ETE 176.57 ZAC 52.82 ETC 163.93 CLP-157.40

PLANETOCENTRIC CONIC

C3 11.598 VHL 3.406 DLA 11.78 RAL 325.48 RAD 6567.4 VEL 11.532 PTH 2.01 VHP 5.152 OPA -13.94 RAP 320.18 ECC 1.1909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 57 2466.66 -24.78 58.10 181.66 104.16 3 35 3 1866.7 -22.59 50.12
 90.00 17 53 38 4361.85 5.24 181.03 178.04 62.13 19 6 19 3761.8 1.47 174.38
 100.00 4 21 16 2185.03 -25.78 37.10 181.37 105.68 4 57 41 1585.0 -23.38 29.12
 100.00 19 8 39 4118.70 6.15 162.66 177.55 60.69 20 17 38 3518.7 2.20 156.10
 110.00 5 43 2 1929.19 -28.42 16.72 180.42 109.85 6 15 11 1329.2 -25.45 8.80
 110.00 20 3 43 3947.31 8.52 148.20 176.09 56.77 21 9 30 3347.3 4.08 141.92

DIFFERENTIAL CORRECTIONS

TDE 1.3857 TRA -.1049 TC3-6.3761 BAU .9911
 RDE .0811 RRA -.0732 RC3 .4559 FAU .06094
 FDE 1.2069 FRA .6356 FC3-4.5488 BSP 15624
 BDE 1.3881 BRA .1279 BC3 6.3923 FSP -1111

MID-COURSE EXECUTION ACCURACY

SGT 4932.3 SGR 361.7 SG3 333.7
 RRT -.5649 RRF -.5887 RTF .9445
 SGB 4945.5 R23 .0645 R13 -.9447
 SG1 4936.5 SG2 298.2 THA 177.62

ORBIT DETERMINATION ACCURACY

ST 2335.6 SR 141.8 SS 916.6
 CRT .9625 CRS -.9032 CST -.9833
 LSA 2507.8 MSA 160.2 SSA 18.2
 EL1 2339.6 EL2 38.4 ALF 3.35

LAUNCH DATE DEC 1 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 477.335

RL 147.51 LAL .00 LOL 68.60 VL 27.116 GAL -1.01 AZL 87.02 HCA 230.09 SMA 124.71 ECC .18358 INC 2.9788 V1 30.204
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.049 GAP 7.70 AZP 91.91 TAL 184.51 TAP 54.60 RCA 101.82 APO 147.61 V2 34.790
 RC 145.874 GL 24.20 GP 4.16 ZAL 93.38 ZAP 158.25 ETS 9.01 ZAE 130.25 ETE 176.82 ZAC 54.76 ETC 164.00 CLP-158.63

PLANETOCENTRIC CONIC

C3 11.809 VHL 3.436 DLA 12.84 RAL 327.89 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.292 OPA -13.71 RAP 322.17 ECC 1.1944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 37 2506.24 -25.41 60.83 184.72 102.93 3 36 23 1906.2 -23.38 52.75
 90.00 18 12 14 4329.83 4.22 179.23 180.77 61.97 19 24 23 3729.8 .44 172.59
 100.00 4 22 36 2222.49 -26.44 39.68 184.44 104.47 4 59 38 1622.5 -24.19 31.60
 100.00 19 26 56 4088.81 5.15 161.00 180.26 60.51 20 35 5 3488.8 1.18 154.46
 110.00 5 45 48 1962.15 -29.16 19.00 183.53 108.68 6 18 30 1362.1 -26.33 10.96
 110.00 20 20 13 3921.92 7.57 146.85 178.77 56.57 21 25 35 3321.9 3.12 140.59

DIFFERENTIAL CORRECTIONS

TDE 1.4701 TRA .0004 TC3-6.3766 BAU 1.0091
 RDE .0916 RRA -.0807 RC3 .4388 FAU .05738
 FDE 1.1923 FRA .6871 FC3-4.2062 BSP 15933
 BDE 1.4729 BRA .0807 BC3 6.3917 FSP -1067

MID-COURSE EXECUTION ACCURACY

SGT 5021.4 SGR 365.2 SG3 319.7
 RRT -.5166 RRF -.5405 RTF .9442
 SGB 5034.7 R23 .0593 R13 -.9444
 SG1 5025.0 SG2 312.4 THA 177.84

ORBIT DETERMINATION ACCURACY

ST 2454.6 SR 158.6 SS 923.9
 CRT .9592 CRS -.9000 CST -.9846
 LSA 2622.7 MSA 157.5 SSA 18.7
 EL1 2459.3 EL2 44.8 ALF 3.55

LAUNCH DATE DEC 1 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 483.171

RL 147.51 LAL .00 LOL 68.60 VL 27.075 GAL -.68 AZL 86.98 HCA 233.25 SMA 124.45 ECC .18559 INC 3.0201 V1 30.204
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.017 GAP 7.96 AZP 91.81 TAL 183.00 TAP 56.24 RCA 101.36 APO 147.55 V2 34.787
 RC 148.138 GL 24.24 GP 3.87 ZAL 90.75 ZAP 159.47 ETS 9.02 ZAE 129.98 ETE 177.02 ZAC 56.74 ETC 164.11 CLP-159.82

PLANETOCENTRIC CONIC

C3 12.069 VHL 3.474 DLA 13.85 RAL 330.38 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.435 DPA -13.41 RAP 324.20 ECC 1.19086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 41 2545.92 -25.99 63.59 187.92 101.66 3 38 7 1945.9 -24.12 55.42
 90.00 18 31 1 4299.30 3.24 177.52 183.65 61.85 19 42 41 3699.3 -.55 170.89
 100.00 4 24 20 2260.00 -27.05 42.30 187.65 103.22 5 2 0 1660.0 -24.96 34.12
 100.00 19 45 3 4060.44 4.20 159.43 183.12 60.38 20 52 43 3460.4 .22 152.90
 110.00 5 48 59 1995.13 -29.86 21.31 186.78 107.48 6 22 14 1395.1 -27.18 13.15
 110.00 20 36 53 3898.09 6.67 145.59 181.59 56.40 21 41 51 3298.1 2.21 139.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5577 TRA .1171 TC3-6.3400 BAU 1.0252 SGT 5103.3 SGR 369.1 SG3 306.1 ST 2573.1 SR 174.7 SS 931.2
 RDE .1022 RRA -.0882 RC3 .4205 FAU .05383 RRT -.4691 RRF -.4923 RTF .9437 CRT .9549 CRS -.8958 CST -.9859
 FDE 1.1794 FRA .7388 FC3-3.8611 BSP 16202 SGB 5116.7 R23 .0541 R13 -.9438 LSA 2737.5 MSA 155.4 SSA 19.1
 BDE 1.5610 BRA .1466 BC3 6.3539 FSP -1024 SG1 5106.3 SG2 325.8 THA 178.05 EL1 2578.5 EL2 51.8 ALF 3.71

LAUNCH DATE DEC 1 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 488.990

RL 147.51 LAL .00 LOL 68.60 VL 27.034 GAL -.34 AZL 86.94 HCA 236.41 SMA 124.20 ECC .18777 INC 3.0580 V1 30.204
 RP 108.94 LAP -2.55 LOP 304.97 VP 36.985 GAP 8.23 AZP 91.69 TAL 181.46 TAP 57.87 RCA 100.88 APO 147.52 V2 34.786
 RC 150.390 GL 24.19 GP 3.62 ZAL 88.09 ZAP 160.63 ETS 9.09 ZAE 129.74 ETE 177.20 ZAC 58.75 ETC 164.26 CLP-160.96

PLANETOCENTRIC CONIC

C3 12.383 VHL 3.519 DLA 14.83 RAL 332.93 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 5.583 DPA -13.04 RAP 326.25 ECC 1.2038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 6 2585.77 -26.50 66.40 191.24 100.35 3 40 12 1985.8 -24.81 58.14
 90.00 18 49 58 4270.34 2.31 175.90 186.66 61.77 20 1 9 3670.3 -1.48 169.28
 100.00 4 26 27 2297.63 -27.61 44.96 191.00 101.93 5 4 45 1697.6 -25.69 36.69
 100.00 20 3 19 4033.71 3.30 157.96 186.11 60.27 21 10 32 3433.7 -.69 151.44
 110.00 5 52 34 2028.17 -30.51 23.66 190.17 106.22 6 26 22 1428.2 -27.98 15.38
 110.00 20 53 41 3875.93 5.83 144.42 184.54 56.26 21 58 17 3275.9 1.36 138.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6420 TRA .2401 TC3-6.2837 BAU 1.0424 SGT 5183.6 SGR 374.1 SG3 293.3 ST 2679.6 SR 191.0 SS 931.0
 RDE .1134 RRA -.0955 RC3 .4018 FAU .05065 RRT -.4240 RRF -.4481 RTF .9436 CRT .9507 CRS -.8916 CST -.9869
 FDE 1.1591 FRA .7848 FC3-3.5412 BSP 16512 SGB 5197.1 R23 .0511 R13 -.9437 LSA 2838.9 MSA 153.7 SSA 19.4
 BDE 1.6459 BRA .2584 BC3 6.2966 FSP -988 SG1 5186.0 SG2 338.6 THA 178.24 EL1 2685.8 EL2 59.1 ALF 3.88

LAUNCH DATE DEC 1 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 494.791

RL 147.51 LAL .00 LOL 68.60 VL 26.994 GAL .02 AZL 86.91 HCA 239.57 SMA 123.94 ECC .19013 INC 3.0933 V1 30.204
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.955 GAP 8.50 AZP 91.57 TAL 179.92 TAP 59.49 RCA 100.38 APO 147.51 V2 34.785
 RC 152.629 GL 24.07 GP 3.40 ZAL 85.41 ZAP 161.76 ETS 9.21 ZAE 129.53 ETE 177.35 ZAC 60.79 ETC 164.42 CLP-162.07

PLANETOCENTRIC CONIC

C3 12.759 VHL 3.572 DLA 15.77 RAL 335.54 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.736 DPA -12.60 RAP 328.32 ECC 1.2100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 52 2625.75 -26.96 69.23 194.69 99.00 3 42 38 2025.8 -25.44 60.90
 90.00 19 9 1 4243.11 1.43 174.38 189.80 61.72 20 19 44 3643.1 -2.36 167.76
 100.00 4 28 55 2335.34 -28.11 47.65 194.47 100.60 5 7 51 1735.3 -26.36 39.28
 100.00 20 21 39 4008.76 2.45 156.59 189.23 60.20 21 28 27 3408.8 -1.53 150.07
 110.00 5 56 31 2061.25 -31.11 26.05 193.69 104.93 6 30 53 1461.3 -28.75 17.65
 110.00 21 10 32 3855.61 5.07 143.35 187.61 56.15 22 14 48 3255.6 .58 137.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7668 TRA .3888 TC3-6.0501 BAU 1.0340 SGT 5208.9 SGR 374.0 SG3 275.5 ST 2843.7 SR 204.3 SS 964.3
 RDE .1232 RRA -.1029 RC3 .3741 FAU .04433 RRT -.3626 RRF -.3673 RTF .9376 CRT .9447 CRS -.8885 CST -.9890
 FDE 1.1840 FRA .8361 FC3-3.0077 BSP 16371 SGB 5222.3 R23 .0277 R13 -.9377 LSA 3005.8 MSA 150.9 SSA 19.7
 BDE 1.7711 BRA .4022 BC3 6.0617 FSP -936 SG1 5210.7 SG2 348.4 THA 178.50 EL1 2850.2 EL2 66.8 ALF 3.89

LAUNCH DATE DEC 1 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 500.572

RL 147.51 LAL .00 LOL 68.60 VL 26.953 GAL .39 AZL 86.87 HCA 242.73 SMA 123.69 ECC .19270 INC 3.1263 V1 30.204
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.924 GAP 8.77 AZP 91.43 TAL 178.35 TAP 61.09 RCA 99.85 APO 147.52 V2 34.784
 RC 154.855 GL 23.86 GP 3.21 ZAL 82.70 ZAP 162.85 ETS 9.39 ZAE 129.35 ETE 177.49 ZAC 62.86 ETC 164.59 CLP-163.14

PLANETOCENTRIC CONIC

C3 13.205 VHL 3.634 DLA 16.66 RAL 338.20 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 5.894 DPA -12.11 RAP 330.40 ECC 1.2173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 59 2665.95 -27.36 72.11 198.27 97.61 3 45 25 2065.9 -26.02 63.70
 90.00 19 28 8 4217.74 .61 172.97 193.07 61.89 20 38 26 3617.7 -3.18 166.34
 100.00 4 31 46 2373.20 -28.56 50.38 198.06 69.23 5 11 19 1773.2 -26.99 41.93
 100.00 20 40 2 3985.72 1.67 155.32 192.48 60.15 21 46 28 3385.7 -2.31 148.80
 110.00 6 0 52 2094.44 -31.67 28.48 197.34 103.59 6 35 46 1494.4 -29.48 19.96
 110.00 21 27 26 3837.24 4.37 142.38 190.80 56.06 22 31 23 3237.2 -.12 136.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8218 TRA .5192 TC3-6.0653 BAU 1.0727 SGT 5330.4 SGR 383.7 SG3 270.0 ST 2886.9 SR 222.0 SS 935.5
 RDE .1365 RRA -.1093 RC3 .3601 FAU .04452 RRT -.3371 RRF -.3594 RTF .9431 CRT .9413 CRS -.8830 CST -.9809
 FDE 1.1316 FRA .8765 FC3-2.9186 BSP 17007 SGB 5344.2 R23 .0424 R13 -.9432 LSA 3038.9 MSA 152.2 SSA 19.6
 BDE 1.8269 BRA .5306 BC3 6.0760 FSP -908 SG1 5331.9 SG2 361.1 THA 178.60 EL1 2894.4 EL2 74.8 ALF 4.14

LAUNCH DATE DEC 1 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

RL 147.51 LAL .00 LOL 68.60 VL 26.912 GAL .78 AZL 86.84 HCA 245.89 SMA 123.43 ECC .19548 INC 3.1576 V1 30.204
RP 108.94 LAP -2.88 LOP 314.45 VP 36.895 GAP 9.05 AZP 91.29 TAL 176.78 TAP 62.67 RCA 99.31 APO 147.56 V2 34.785
RC 157.067 GL 23.58 GP 3.03 ZAL 79.99 ZAP 163.90 ETS 9.64 ZAE 129.20 ETE 177.61 ZAC 64.96 ETC 164.77 CLP-164.18

PLANETOCENTRIC CONIC

C3 13.730 VHL 3.705 OLA 17.50 RAL 340.90 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 6.058 DPA -11.57 RAP 332.50 ECC 1.2260
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 3 26 2706.18 -27.69 75.01 201.95 96.19 3 48 33 2106.2 -26.54 66.53
90.00 19 47 12 4194.46 -.14 171.67 196.46 61.68 20 57 6 3594.5 -3.92 165.04
100.00 4 34 57 2411.05 -28.94 53.12 201.77 97.83 5 15 9 1811.1 -27.55 44.60
100.00 20 58 22 3964.82 .96 154.18 195.84 60.12 22 4 27 3364.8 -3.02 147.65
110.00 6 5 33 2127.62 -32.17 30.93 201.11 102.22 6 41 1 1527.6 -30.16 22.30
110.00 21 44 16 3821.02 3.75 141.53 194.10 56.00 22 47 57 3221.0 -.74 135.32

DIFFERENTIAL CORRECTIONS

TOE 1.9154 TRA .6776 TC3-5.8996 BAU 1.0847
ROE .1490 RRA -.1158 RC3 .3373 FAU .04155
FOE 1.1168 FRA .9225 FC3-2.6197 BSP 17161
BOE 1.9212 BRA .6874 BC3 5.9092 FSP -868

MID-COURSE EXECUTION ACCURACY

SGT 5393.9 SGR 388.3 SG3 259.0
RRT -.2945 RRF -.3164 RTF .9428
SGB 5407.8 R23 .0391 R13 -.9428
SG1 5395.1 SG2 371.0 THA 178.78

ORBIT DETERMINATION ACCURACY

ST 2983.0 SR 237.2 SS 934.4
CRT .9364 CRS -.8785 CST -.9897
LSA 3131.1 MSA 152.7 SSA 19.6
EL1 2991.2 EL2 83.0 ALF 4.26

LAUNCH DATE DEC 1 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

RL 147.51 LAL .00 LOL 68.60 VL 26.872 GAL 1.19 AZL 86.81 HCA 249.05 SMA 123.18 ECC .19848 INC 3.1873 V1 30.204
RP 108.94 LAP -2.98 LOP 317.62 VP 36.867 GAP 9.35 AZP 91.14 TAL 175.20 TAP 64.25 RCA 98.73 APO 147.63 V2 34.786
RC 159.265 GL 23.23 GP 2.88 ZAL 77.29 ZAP 164.92 ETS 9.94 ZAE 129.07 ETE 177.72 ZAC 67.08 ETC 164.95 CLP-165.19

PLANETOCENTRIC CONIC

C3 14.343 VHL 3.787 OLA 18.29 RAL 343.62 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 6.229 DPA -10.98 RAP 334.61 ECC 1.2360
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 6 14 2746.36 -27.95 77.92 205.72 94.75 3 52 0 2146.4 -26.99 69.38
90.00 20 6 8 4173.50 -.82 170.50 199.94 61.69 21 15 41 3573.5 -4.59 163.86
100.00 4 38 30 2448.82 -29.26 55.89 205.58 96.41 5 19 19 1848.8 -28.06 47.29
100.00 21 16 35 3946.27 .33 153.16 199.30 60.11 22 22 19 3346.3 -3.65 146.63
110.00 6 10 35 2160.71 -32.62 33.41 204.98 100.82 6 46 36 1560.7 -30.79 24.67
110.00 22 0 57 3807.15 3.22 140.81 197.50 55.95 23 4 24 3207.1 -1.27 134.60

DIFFERENTIAL CORRECTIONS

TOE 2.0061 TRA .8414 TC3-5.7200 BAU 1.0985
ROE .1622 RRA -.1215 RC3 .3139 FAU .03891
FOE 1.1004 FRA .9626 FC3-2.3489 BSP 17428
BOE 2.0127 BRA .8501 BC3 5.7287 FSP -839

MID-COURSE EXECUTION ACCURACY

SGT 5457.1 SGR 392.8 SG3 248.8
RRT -.2542 RRF -.2754 RTF .9431
SGB 5471.2 R23 .0357 R13 -.9431
SG1 5458.0 SG2 379.8 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3064.3 SR 252.3 SS 930.0
CRT .9320 CRS -.8749 CST -.9905
LSA 3208.5 MSA 153.3 SSA 19.4
EL1 3073.4 EL2 91.2 ALF 4.39

LAUNCH DATE DEC 1 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

RL 147.51 LAL .00 LOL 68.60 VL 26.831 GAL 1.61 AZL 86.78 HCA 252.21 SMA 122.94 ECC .20174 INC 3.2158 V1 30.204
RP 108.93 LAP -3.06 LOP 320.78 VP 36.839 GAP 9.65 AZP 90.98 TAL 173.60 TAP 65.82 RCA 98.14 APO 147.74 V2 34.788
RC 161.449 GL 22.82 GP 2.74 ZAL 74.59 ZAP 165.91 ETS 10.30 ZAE 128.96 ETE 177.82 ZAC 69.22 ETC 165.13 CLP-166.18

PLANETOCENTRIC CONIC

C3 15.055 VHL 3.880 OLA 19.03 RAL 346.36 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 6.407 DPA -10.35 RAP 336.73 ECC 1.2478
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 9 22 2786.38 -28.14 80.83 200.59 93.31 3 55 48 2186.4 -27.38 72.25
90.00 20 24 50 4155.06 -1.41 169.47 203.53 61.72 21 34 5 3555.1 -5.18 162.82
100.00 4 42 24 2486.39 -29.51 58.65 209.48 94.98 5 23 50 1886.4 -28.51 49.99
100.00 21 34 30 3930.28 -.21 152.28 202.86 60.11 22 40 0 3330.3 -4.18 145.75
110.00 6 15 58 2193.66 -33.02 35.90 208.96 99.40 6 52 31 1593.7 -31.37 27.06
110.00 22 17 25 3795.77 2.79 140.21 200.99 55.92 23 20 41 3195.8 -1.70 134.01

DIFFERENTIAL CORRECTIONS

TOE 2.0968 TRA 1.0158 TC3-5.5132 BAU 1.1112
ROE .1764 RRA -.1267 RC3 .2898 FAU .03639
FOE 1.0823 FRA 1.0006 FC3-2.0928 BSP 17669
BOE 2.1042 BRA 1.0236 BC3 5.5208 FSP -810

MID-COURSE EXECUTION ACCURACY

SGT 5514.4 SGR 396.9 SG3 238.7
RRT -.2146 RRF -.2354 RTF .9435
SGB 5528.7 R23 .0327 R13 -.9436
SG1 5515.1 SG2 387.6 THA 179.11

ORBIT DETERMINATION ACCURACY

ST 3135.3 SR 267.2 SS 922.3
CRT .9278 CRS -.8716 CST -.9911
LSA 3275.4 MSA 154.5 SSA 19.2
EL1 3145.1 EL2 99.4 ALF 4.53

LAUNCH DATE DEC 1 1965

FLIGHT TIME 180.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

RL 147.51 LAL .00 LOL 68.60 VL 26.791 GAL 2.05 AZL 86.76 HCA 255.38 SMA 122.69 ECC .20526 INC 3.2432 V1 30.204
RP 108.92 LAP -3.14 LOP 323.95 VP 36.812 GAP 9.96 AZP 90.82 TAL 172.00 TAP 67.38 RCA 97.51 APO 147.88 V2 34.791
RC 163.619 GL 22.34 GP 2.62 ZAL 71.92 ZAP 166.88 ETS 10.74 ZAE 128.86 ETE 177.91 ZAC 71.38 ETC 165.30 CLP-167.14

PLANETOCENTRIC CONIC

C3 15.879 VHL 3.985 OLA 19.70 RAL 349.10 RAD 6567.6 VEL 11.716 PTH 2.06 VHP 6.592 DPA -9.68 RAP 338.86 ECC 1.2613
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 3 12 52 2826.09 -28.26 83.73 213.53 91.86 3 59 58 2226.1 -27.70 75.11
90.00 20 43 13 4139.36 -1.92 168.60 207.19 61.74 21 52 12 3539.4 -5.68 161.94
100.00 4 46 39 2523.66 -29.70 61.40 213.45 93.54 5 28 42 1923.7 -28.89 52.69
100.00 21 52 7 3917.03 -.66 151.56 206.49 60.11 22 57 24 3317.0 -4.63 145.02
110.00 6 21 40 2226.39 -33.35 38.40 213.02 97.95 6 58 46 1626.4 -31.90 29.47
110.00 22 33 35 3787.06 2.46 139.76 204.55 55.89 23 36 42 3187.1 -2.04 133.55

DIFFERENTIAL CORRECTIONS

TOE 2.1892 TRA 1.2026 TC3-5.2817 BAU 1.1227
ROE .1913 RRA -.1311 RC3 .2652 FAU .03396
FOE 1.0857 FRA 1.0391 FC3-1.8513 BSP 17881
BOE 2.1975 BRA 1.2097 BC3 5.2883 FSP -781

MID-COURSE EXECUTION ACCURACY

SGT 5567.8 SGR 400.5 SG3 229.3
RRT -.1754 RRF -.1956 RTF .9440
SGB 5582.1 R23 .0296 R13 -.9440
SG1 5568.2 SG2 394.3 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 3198.0 SR 281.7 SS 914.3
CRT .9237 CRS -.8685 CST -.9918
LSA 3334.4 MSA 156.3 SSA 18.8
EL1 3208.6 EL2 107.5 ALF 4.66

LAUNCH DATE DEC 1 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 1 1966

MELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.751 GAL 2.52 AZL 86.73 MCA 258.54 SMA 122.45 ECC .20908 INC 3.2700 V1 30.204
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.787 GAP 10.29 AZP 90.65 TAL 170.40 TAP 68.94 RCA 96.85 APO 148.05 V2 34.794
 RC 165.775 GL 21.81 GP 2.50 ZAL 69.29 ZAP 167.82 ETS 11.26 ZAE 128.79 ETE 177.99 ZAC 73.56 ETC 165.47 CLP-168.08

PLANETOCENTRIC CONIC
 C3 16.829 VHL 4.102 OLA 20.32 RAL 351.84 RAD 6567.7 VEL 11.756 PTH 2.08 VHP 6.787 DPA -8.97 RAP 340.99 ECC 1.2770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 43 2865.37 -28.31 86.60 217.53 90.42 4 4 29 2265.4 -27.96 77.95
 90.00 21 1 10 4126.62 -2.33 167.89 210.93 61.77 22 9 56 3526.6 -6.09 161.22
 100.00 4 51 16 2560.51 -29.82 64.14 217.50 92.11 5 33 56 1960.5 -29.21 55.39
 100.00 22 9 18 3906.71 -1.01 150.99 210.19 60.12 23 14 25 3306.7 -4.98 144.45
 110.00 6 27 41 2258.83 -33.63 40.89 217.16 96.50 7 5 20 1658.8 -32.37 31.88
 110.00 22 49 22 3781.16 2.23 139.45 208.17 55.88 23 52 23 3181.2 -2.26 133.24

DIFFERENTIAL CORRECTIONS
 TOE 2.2851 TRA 1.4040 TC3-5.0215 BAU 1.1311 SGT 5615.4 SGR 403.6 SG3 220.4 ST 3254.9 SR 295.7 SS 906.8
 RDE .2072 RRA -.1347 RC3 .2403 FAU .03150 RRT -.1360 RRF -.1548 RTF .9442 CRT .9198 CRS -.8658 CST -.9924
 FDE 1.0516 FRA 1.0787 FC3-1.6203 BSP 17999 SGB 5629.9 R23 .0260 R13 -.9443 LSA 3388.0 MSA 158.7 SSA 18.5
 BOE 2.2945 BRA 1.4105 BC3 5.0273 FSP -748 SG1 5615.7 SG2 399.8 THA 179.44 EL1 3266.3 EL2 115.6 ALF 4.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 3 1966

MELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.711 GAL 3.00 AZL 86.70 MCA 261.70 SMA 122.21 ECC .21322 INC 3.2961 V1 30.204
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.762 GAP 10.63 AZP 90.48 TAL 168.79 TAP 70.49 RCA 96.15 APO 148.27 V2 34.798
 RC 167.915 GL 21.24 GP 2.40 ZAL 66.69 ZAP 168.75 ETS 11.88 ZAE 128.72 ETE 178.07 ZAC 75.75 ETC 165.63 CLP-169.01

PLANETOCENTRIC CONIC
 C3 17.921 VHL 4.233 OLA 20.88 RAL 354.55 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 6.992 DPA -8.23 RAP 343.13 ECC 1.2949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 58 2904.03 -28.30 89.43 221.59 89.00 4 9 22 2304.0 -28.14 80.77
 90.00 21 18 34 4117.05 -2.64 167.35 214.72 61.80 22 27 11 3517.0 -6.39 160.68
 100.00 4 56 15 2596.79 -29.89 66.83 221.59 90.69 5 39 31 1996.8 -29.47 58.05
 100.00 22 25 58 3899.52 -1.25 150.59 213.95 60.13 23 30 58 3299.5 -5.22 144.05
 110.00 6 34 1 2290.89 -33.85 43.37 221.36 95.05 7 12 12 1690.9 -32.78 34.29
 110.00 23 4 41 3778.19 2.12 139.29 211.84 55.87 24 7 39 3178.2 -2.37 133.09

DIFFERENTIAL CORRECTIONS
 TOE 2.3771 TRA 1.6141 TC3-4.7550 BAU 1.1404 SGT 5659.1 SGR 406.2 SG3 211.8 ST 3295.0 SR 309.2 SS 895.7
 RDE .2241 RRA -.1374 RC3 .2158 FAU .02927 RRT -.0978 RRF -.1159 RTF .9448 CRT .9161 CRS -.8632 CST -.9929
 FDE 1.0350 FRA 1.1156 FC3-1.4141 BSP 18204 SGB 5673.7 R23 .0231 R13 -.9449 LSA 3424.7 MSA 161.4 SSA 18.0
 BOE 2.3876 BRA 1.6199 BC3 4.7599 FSP -722 SG1 5659.2 SG2 404.3 THA 179.60 EL1 3307.2 EL2 123.5 ALF 4.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 5 1966

MELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.672 GAL 3.51 AZL 86.68 MCA 264.87 SMA 121.97 ECC .21771 INC 3.3218 V1 30.204
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.737 GAP 10.98 AZP 90.30 TAL 167.18 TAP 72.05 RCA 95.42 APO 148.53 V2 34.803
 RC 170.040 GL 20.63 GP 2.31 ZAL 64.15 ZAP 169.66 ETS 12.62 ZAE 128.66 ETE 178.15 ZAC 77.96 ETC 165.78 CLP-169.92

PLANETOCENTRIC CONIC
 C3 19.173 VHL 4.379 OLA 21.38 RAL 357.23 RAD 6567.8 VEL 11.856 PTH 2.10 VHP 7.207 DPA -7.46 RAP 345.27 ECC 1.3155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 36 2941.96 -28.22 92.20 225.68 87.61 4 14 38 2342.0 -28.26 83.54
 90.00 21 35 20 4110.82 -2.84 167.00 218.55 61.81 22 43 51 3510.8 -6.58 160.33
 100.00 5 1 36 2632.42 -29.88 69.48 225.73 89.30 5 45 28 2032.4 -29.66 60.68
 100.00 22 42 1 3895.59 -1.38 150.38 217.74 60.14 23 46 57 3295.6 -5.35 143.83
 110.00 6 40 39 2322.53 -34.02 45.82 225.61 93.61 7 19 21 1722.5 -33.14 36.69
 110.00 23 19 28 3778.24 2.12 139.30 215.55 55.87 24 22 26 3178.2 -2.37 133.09

DIFFERENTIAL CORRECTIONS
 TOE 2.4697 TRA 1.8372 TC3-4.4749 BAU 1.1481 SGT 5697.9 SGR 408.3 SG3 203.5 ST 3325.3 SR 322.1 SS 883.8
 RDE .2421 RRA -.1390 RC3 .1919 FAU .02713 RRT -.0598 RRF -.0769 RTF .9456 CRT .9126 CRS -.8611 CST -.9934
 FDE 1.0189 FRA 1.1518 FC3-1.2249 BSP 18380 SGB 5712.5 R23 .0202 R13 -.9456 LSA 3451.8 MSA 164.4 SSA 17.5
 BOE 2.4816 BRA 1.8424 BC3 4.4790 FSP -697 SG1 5697.9 SG2 407.5 THA 179.75 EL1 3338.3 EL2 131.2 ALF 5.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 7 1966

MELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.633 GAL 4.04 AZL 86.65 MCA 268.03 SMA 121.74 ECC .22258 INC 3.3473 V1 30.204
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.714 GAP 11.36 AZP 90.11 TAL 165.57 TAP 73.60 RCA 94.64 APO 148.84 V2 34.808
 RC 172.148 GL 19.98 GP 2.23 ZAL 61.66 ZAP 170.55 ETS 13.49 ZAE 128.62 ETE 178.22 ZAC 80.18 ETC 165.91 CLP-170.82

PLANETOCENTRIC CONIC
 C3 20.607 VHL 4.540 OLA 21.81 RAL 359.88 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 7.435 DPA -6.66 RAP 347.41 ECC 1.3391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 38 2979.00 -28.09 94.90 229.80 86.27 4 20 17 2379.0 -28.31 86.24
 90.00 21 51 22 4108.08 -2.93 166.85 222.40 61.82 22 59 51 3508.1 -6.67 160.17
 100.00 5 7 19 2687.28 -29.83 72.07 229.90 87.93 5 51 46 2067.3 -29.80 63.27
 100.00 22 57 23 3895.03 -1.40 150.35 221.56 60.14 24 2 18 3295.0 -5.37 143.80
 110.00 6 47 33 2353.70 -34.12 48.25 229.89 92.18 7 26 46 1753.7 -33.44 39.07
 110.00 23 33 39 3781.38 2.24 139.46 219.28 55.88 24 36 40 3181.4 -2.25 133.26

DIFFERENTIAL CORRECTIONS
 TOE 2.5666 TRA 2.0774 TC3-4.1791 BAU 1.1523 SGT 5732.9 SGR 409.7 SG3 195.8 ST 3350.3 SR 334.3 SS 873.0
 RDE .2610 RRA -.1394 RC3 .1688 FAU .02497 RRT -.0211 RRF -.0371 RTF .9464 CRT .9093 CRS -.8592 CST -.9939
 FDE 1.0055 FRA 1.1897 FC3-1.0491 BSP 18450 SGB 5747.5 R23 .0170 R13 -.9464 LSA 3474.2 MSA 167.7 SSA 17.0
 BOE 2.5798 BRA 2.0821 BC3 4.1829 FSP -667 SG1 5732.9 SG2 409.6 THA 179.91 EL1 3364.1 EL2 138.6 ALF 5.19

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.594 GAL 4.61 AZL 86.63 HCA 271.20 SMA 121.51 ECC .22787 INC 3.3727 V1 30.204
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.692 GAP 11.76 AZP 89.93 TAL 163.97 TAP 75.16 RCA 93.82 APO 149.20 V2 34.814
 RC 174.239 GL 19.31 GP 2.15 ZAL 59.23 ZAP 171.43 ETS 14.56 ZAE 128.58 ETE 178.29 ZAC 82.40 ETC 166.03 CLP-171.70

PLANETOCENTRIC CONIC
 C3 22.249 VHL 4.717 DLA 22.19 RAL 2.47 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 7.676 DPA -5.85 RAP 349.54 ECC 1.3662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 36 5 3015.03 -27.90 97.52 233.94 84.96 4 26 20 2415.0 -28.31 88.88
 90.00 22 6 36 4108.97 -2.90 166.90 226.27 61.82 23 15 5 3509.0 -6.64 160.22
 100.00 5 13 23 2701.30 -29.72 74.59 234.09 86.61 5 58 25 2101.3 -29.87 65.79
 100.00 23 11 59 3897.94 -1.31 150.51 225.39 60.13 24 16 57 3297.9 -5.27 143.96
 110.00 6 54 41 2384.37 -34.18 50.64 234.21 90.76 7 34 26 1784.4 -33.69 41.43
 110.00 23 47 10 3787.63 2.48 139.79 223.03 55.90 24 50 18 3187.6 -2.01 133.58

DIFFERENTIAL CORRECTIONS
 TOE 2.6592 TRA 2.3276 TC3-3.8877 BAU 1.1572 SGT 5762.7 SGR 410.6 SG3 188.2 ST 3359.3 SR 345.5 SS 859.8
 RDE .2809 RRA -1.1384 RC3 .1469 FAU .02303 RRT .0166 RRF .0015 RTF .9475 CRT .9061 CRS -.8574 CST -.9944
 FDE .9904 FRA 1.2255 FC3 -.8960 BSP 18617 SGB 5777.3 R23 -.0143 R13 .9475 LSA 3480.5 MSA 171.0 SSA 16.5
 BDE 2.6740 BRA 2.3317 BC3 3.8905 FSP -644 SG1 5762.7 SG2 410.5 THA .07 EL1 3373.8 EL2 145.6 ALF 5.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.556 GAL 5.20 AZL 86.60 HCA 274.36 SMA 121.28 ECC .23362 INC 3.3981 V1 30.204
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.670 GAP 12.18 AZP 89.74 TAL 162.37 TAP 76.73 RCA 92.95 APO 149.62 V2 34.821
 RC 176.312 GL 18.61 GP 2.09 ZAL 56.88 ZAP 172.30 ETS 15.86 ZAE 128.54 ETE 178.36 ZAC 84.63 ETC 166.14 CLP-172.58

PLANETOCENTRIC CONIC
 C3 24.128 VHL 4.912 DLA 22.50 RAL 5.00 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 7.933 DPA -5.01 RAP 351.68 ECC 1.3971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 57 3049.96 -27.67 100.05 238.08 83.72 4 32 47 2450.0 -28.25 91.43
 90.00 22 20 56 4113.57 -2.75 167.16 230.14 61.81 23 29 30 3513.6 -6.50 160.48
 100.00 5 19 49 2734.41 -29.56 77.04 238.29 85.33 6 5 23 2134.4 -29.89 68.25
 100.00 23 25 46 3904.35 -1.09 150.86 229.22 60.13 24 30 50 3304.4 -5.05 144.32
 110.00 7 2 4 2414.54 -34.18 53.00 238.54 89.36 7 42 18 1814.5 -33.89 43.77
 110.00 0 3 56 3797.00 2.84 140.28 226.77 55.92 1 7 13 3197.0 -1.66 134.07

DIFFERENTIAL CORRECTIONS
 TOE 2.7527 TRA 2.5931 TC3-3.5938 BAU 1.1599 SGT 5787.3 SGR 410.9 SG3 181.0 ST 3359.4 SR 355.8 SS 846.5
 RDE .3018 RRA -.1361 RC3 .1263 FAU .02114 RRT .0545 RRF .0402 RTF .9486 CRT .9029 CRS -.8559 CST -.9949
 FDE .9761 FRA 1.2617 FC3 -.7586 BSP 18763 SGB 5801.9 R23 -.0118 R13 .9486 LSA 3478.2 MSA 174.4 SSA 16.0
 BDE 2.7692 BRA 2.5966 BC3 3.5960 FSP -622 SG1 5787.3 SG2 410.3 THA .22 EL1 3374.7 EL2 152.2 ALF 5.47

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.517 GAL 5.83 AZL 86.58 HCA 277.53 SMA 121.06 ECC .23989 INC 3.4238 V1 30.204
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.650 GAP 12.63 AZP 89.55 TAL 160.78 TAP 78.31 RCA 92.02 APO 150.10 V2 34.828
 RC 178.366 GL 17.90 GP 2.02 ZAL 54.60 ZAP 173.16 ETS 17.49 ZAE 128.50 ETE 178.43 ZAC 86.87 ETC 166.23 CLP-173.46

PLANETOCENTRIC CONIC
 C3 26.279 VHL 5.126 DLA 22.76 RAL 7.47 RAD 6568.1 VEL 12.151 PTH 2.18 VHP 8.207 DPA -4.15 RAP 353.81 ECC 1.4325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 14 3083.71 -27.39 102.48 242.23 82.53 4 39 37 2483.7 -28.14 93.90
 90.00 22 34 20 4121.92 -2.48 167.62 234.00 61.78 23 43 2 3521.9 -6.23 160.96
 100.00 5 26 35 2766.58 -29.36 79.41 242.49 84.10 6 12 42 2166.6 -29.86 70.65
 100.00 23 38 40 3914.28 -.75 151.40 233.04 60.12 24 43 55 3314.3 -4.72 144.87
 110.00 7 9 38 2444.18 -34.13 55.32 242.87 88.00 7 50 22 1844.2 -34.03 46.07
 110.00 0 16 3 3809.44 3.31 140.93 230.51 55.96 1 19 32 3209.4 -1.18 134.72

DIFFERENTIAL CORRECTIONS
 TOE 2.8474 TRA 2.8752 TC3-3.3012 BAU 1.1604 SGT 5807.7 SGR 410.6 SG3 174.1 ST 3351.4 SR 364.9 SS 833.5
 RDE .3236 RRA -.1322 RC3 .1072 FAU .01932 RRT .0925 RRF .0789 RTF .9500 CRT .8999 CRS -.8545 CST -.9953
 FDE .9629 FRA 1.2987 FC3 -.6366 BSP 18881 SGB 5822.2 R23 -.0095 R13 .9500 LSA 3468.1 MSA 177.7 SSA 15.5
 BDE 2.8657 BRA 2.8783 BC3 3.3029 FSP -599 SG1 5807.8 SG2 408.8 THA .38 EL1 3367.4 EL2 158.3 ALF 5.61

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.480 GAL 6.49 AZL 86.55 HCA 280.70 SMA 120.84 ECC .24672 INC 3.4499 V1 30.204
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.630 GAP 13.11 AZP 89.36 TAL 159.21 TAP 79.91 RCA 91.03 APO 150.65 V2 34.836
 RC 180.400 GL 17.18 GP 1.97 ZAL 52.39 ZAP 174.00 ETS 19.58 ZAE 128.47 ETE 178.49 ZAC 89.11 ETC 166.30 CLP-174.33

PLANETOCENTRIC CONIC
 C3 28.743 VHL 5.361 DLA 22.97 RAL 9.86 RAD 6568.2 VEL 12.252 PTH 2.20 VHP 8.500 DPA -3.27 RAP 355.94 ECC 1.4730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 54 54 3116.21 -27.08 104.81 246.36 81.40 4 46 50 2516.2 -27.99 96.26
 90.00 22 46 45 4134.03 -2.09 168.30 237.84 61.75 23 55 39 3534.0 -5.85 161.64
 100.00 5 33 40 2797.77 -29.12 81.70 246.68 82.92 6 20 17 2197.8 -29.79 72.96
 100.00 23 50 41 3927.70 -.30 152.14 236.85 60.11 24 56 9 3327.7 -4.27 145.61
 110.00 7 17 22 2473.32 -34.04 57.59 247.21 86.65 7 58 35 1873.3 -34.13 48.34
 110.00 0 27 24 3824.91 3.90 141.74 234.23 56.01 1 31 9 3224.9 -.59 135.53

DIFFERENTIAL CORRECTIONS
 TOE 2.9432 TRA 3.1746 TC3-3.0136 BAU 1.1585 SGT 5823.5 SGR 409.7 SG3 167.6 ST 3335.4 SR 372.7 SS 821.0
 RDE .3463 RRA -.1266 RC3 .0898 FAU .01758 RRT .1306 RRF .1176 RTF .9515 CRT .8970 CRS -.8533 CST -.9957
 FDE .9509 FRA 1.3366 FC3 -.5295 BSP 18997 SGB 5837.9 R23 -.0073 R13 .9515 LSA 3450.4 MSA 180.7 SSA 15.0
 BDE 2.9635 BRA 3.1771 BC3 3.0150 FSP -578 SG1 5823.8 SG2 406.1 THA .53 EL1 3352.2 EL2 164.0 ALF 5.74

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 573.019

RL 147.51 LAL .00 LOL 68.60 VL 26.442 GAL 7.20 AZL 86.52 HCA 283.87 SMA 120.62 ECC .25418 INC 3.4765 V1 30.204
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.611 GAP 13.62 AZP 89.17 TAL 157.65 TAP 81.53 RCA 89.96 APO 151.28 V2 34.845
 RC 182.414 GL 16.45 GP 1.91 ZAL 50.27 ZAP 174.84 ETS 22.36 ZAE 128.43 ETE 178.56 ZAC 91.35 ETC 166.36 CLP-175.21

PLANETOCENTRIC CONIC

C3 31.570 VHL 5.619 DLA 23.12 RAL 12.17 RAD 6568.3 VEL 12.367 PTH 2.23 VHP 8.815 DPA -2.39 RAP 358.06 ECC 1.5196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 57 3147.44 -26.75 107.03 250.48 80.34 4 54 25 2547.4 -27.81 98.53
 90.00 22 58 10 4149.85 -1.58 169.18 241.65 61.72 24 7 20 3549.9 -5.35 162.53
 100.00 5 41 2 2827.99 -28.84 83.91 250.86 81.79 6 28 10 2228.0 -29.68 75.20
 100.00 0 5 42 3944.53 .28 153.06 240.62 60.11 1 11 27 3344.5 -3.70 146.54
 110.00 7 25 14 2501.97 -33.90 59.81 251.53 85.34 8 6 56 1902.0 -34.18 50.58
 110.00 0 37 59 3843.32 4.60 142.70 237.93 56.09 1 42 2 3243.3 .11 136.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.0443 TRA 3.4963 TC3-2.7282 BAU 1.1519 SGT 5836.5 SGR 408.2 SG3 161.4 ST 3316.4 SR 379.3 SS 810.2
 RDE .3699 RRA -.1191 RC3 .0741 FAU .01582 RRT .1693 RRF .1570 RTF .9532 CRT .8941 CRS -.8524 CST -.9961
 FDE .9414 FRA 1.3773 FC3 -.4338 BSP 19013 SGB 5850.8 R23 -.0052 R13 .9532 LSA 3430.0 MSA 183.5 SSA 14.4
 BDE 3.0667 BRA 3.4984 BC3 2.7292 FSP -.554 SG1 5836.9 SG2 402.3 THA .68 EL1 3333.7 EL2 169.0 ALF 5.85

LAUNCH DATE DEC 1 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 578.225

RL 147.51 LAL .00 LOL 68.60 VL 26.406 GAL 7.95 AZL 86.50 HCA 287.05 SMA 120.41 ECC .26234 INC 3.5039 V1 30.204
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.593 GAP 14.18 AZP 88.97 TAL 156.12 TAP 83.16 RCA 88.82 APO 152.00 V2 34.854
 RC 184.407 GL 15.72 GP 1.87 ZAL 48.23 ZAP 175.67 ETS 26.23 ZAE 128.38 ETE 178.62 ZAC 93.58 ETC 166.39 CLP-176.09

PLANETOCENTRIC CONIC

C3 34.820 VHL 5.901 DLA 23.22 RAL 14.40 RAD 6568.4 VEL 12.498 PTH 2.26 VHP 9.154 DPA -1.49 RAP .17 ECC 1.5731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 22 3177.38 -26.39 109.15 254.59 79.33 5 2 19 2577.4 -27.59 100.69
 90.00 23 8 32 4169.31 -.95 170.27 245.42 61.70 24 18 2 3569.3 -4.73 163.62
 100.00 5 48 39 2857.23 -28.54 86.03 255.01 80.71 6 36 17 2257.2 -29.53 77.36
 100.00 0 15 52 3964.69 .96 154.17 244.36 60.12 1 21 56 3364.7 -3.02 147.65
 110.00 7 33 13 2530.14 -33.73 61.99 255.82 84.06 8 15 23 1930.1 -34.18 52.78
 110.00 0 47 48 3864.55 5.40 143.82 241.59 56.20 1 52 12 3264.6 .93 137.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.1439 TRA 3.8342 TC3-2.4575 BAU 1.1444 SGT 5843.2 SGR 406.2 SG3 155.4 ST 3286.9 SR 384.4 SS 799.0
 RDE .3943 RRA -.1097 RC3 .0602 FAU .01422 RRT .2077 RRF .1957 RTF .9551 CRT .8913 CRS -.8515 CST -.9965
 FDE .9317 FRA 1.4177 FC3 -.3535 BSP 19115 SGB 5857.3 R23 -.0037 R13 .9551 LSA 3399.2 MSA 186.0 SSA 13.9
 BDE 3.1686 BRA 3.8358 BC3 2.4583 FSP -.535 SG1 5843.8 SG2 397.4 THA .83 EL1 3304.7 EL2 173.3 ALF 5.97

LAUNCH DATE DEC 1 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 583.333

RL 147.51 LAL .00 LOL 68.60 VL 26.369 GAL 8.76 AZL 86.47 HCA 290.22 SMA 120.20 ECC .27129 INC 3.5323 V1 30.204
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.576 GAP 14.78 AZP 88.78 TAL 154.61 TAP 84.83 RCA 87.59 APO 152.81 V2 34.863
 RC 186.379 GL 14.98 GP 1.82 ZAL 46.28 ZAP 176.47 ETS 31.92 ZAE 128.32 ETE 178.68 ZAC 95.81 ETC 166.41 CLP-176.97

PLANETOCENTRIC CONIC

C3 38.566 VHL 6.210 DLA 23.28 RAL 16.54 RAD 6568.5 VEL 12.647 PTH 2.30 VHP 9.522 DPA -.59 RAP 2.28 ECC 1.6347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 6 3206.05 -26.01 111.17 258.66 78.39 5 10 32 2606.1 -27.35 102.76
 90.00 23 17 53 4192.26 -.21 171.55 249.14 61.68 24 27 45 3592.3 -3.99 164.91
 100.00 5 56 30 2885.02 -28.21 88.06 259.14 79.69 6 44 36 2285.5 -29.35 79.44
 100.00 0 25 5 3988.53 1.75 155.45 248.05 60.15 1 31 33 3388.0 -2.23 148.93
 110.00 7 41 15 2557.83 -33.51 64.13 260.09 82.82 8 23 53 1957.8 -34.14 54.94
 110.00 0 56 50 3888.49 6.31 145.08 245.22 56.33 2 1 39 3288.5 1.84 138.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.2470 TRA 4.1948 TC3-2.1967 BAU 1.1329 SGT 5845.5 SGR 403.7 SG3 149.7 ST 3252.5 SR 388.1 SS 789.0
 RDE .4194 RRA -.0982 RC3 .0480 FAU .01266 RRT .2462 RRF .2345 RTF .9573 CRT .8886 CRS -.8508 CST -.9969
 FDE .9235 FRA 1.4604 FC3 -.2841 BSP 19191 SGB 5859.4 R23 -.0023 R13 .9573 LSA 3364.0 MSA 187.9 SSA 13.4
 BDE 3.2740 BRA 4.1959 BC3 2.1972 FSP -.516 SG1 5846.3 SG2 391.2 THA .98 EL1 3270.8 EL2 177.0 ALF 6.07

LAUNCH DATE DEC 1 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 588.326

RL 147.51 LAL .00 LOL 68.60 VL 26.333 GAL 9.62 AZL 86.44 HCA 293.40 SMA 120.00 ECC .28113 INC 3.5618 V1 30.204
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.560 GAP 15.43 AZP 88.58 TAL 153.14 TAP 86.54 RCA 86.26 APO 153.73 V2 34.873
 RC 188.330 GL 14.26 GP 1.78 ZAL 44.42 ZAP 177.22 ETS 40.92 ZAE 128.25 ETE 178.74 ZAC 98.02 ETC 166.40 CLP-177.87

PLANETOCENTRIC CONIC

C3 42.895 VHL 6.549 DLA 23.29 RAL 18.59 RAD 6568.6 VEL 12.816 PTH 2.33 VHP 9.921 DPA .31 RAP 4.37 ECC 1.7059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 6 3233.46 -25.62 113.08 262.69 77.51 5 19 0 2633.5 -27.09 104.72
 90.00 23 26 13 4218.56 .64 173.02 252.80 61.69 24 36 31 3618.6 -3.15 166.38
 100.00 6 4 32 2912.85 -27.86 90.02 263.22 78.71 6 53 5 2312.9 -29.14 81.45
 100.00 0 33 23 4014.41 2.64 156.90 251.69 60.21 1 40 18 3414.4 -1.34 150.38
 110.00 7 49 19 2585.05 -33.26 66.21 264.31 81.61 8 32 24 1985.0 -34.06 57.06
 110.00 1 5 6 3914.97 7.31 146.48 248.81 56.51 2 10 21 3315.0 2.85 140.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.3545 TRA 4.5797 TC3-1.9472 BAU 1.1169 SGT 5843.3 SGR 400.7 SG3 144.2 ST 3214.1 SR 390.2 SS 780.5
 RDE .4452 RRA -.0843 RC3 .0375 FAU .01113 RRT .2850 RRF .2735 RTF .9596 CRT .8861 CRS -.8504 CST -.9973
 FDE .9174 FRA 1.5055 FC3 -.2247 BSP 19255 SGB 5857.0 R23 -.0012 R13 .9596 LSA 3325.0 MSA 189.3 SSA 12.9
 BDE 3.3840 BRA 4.5804 BC3 1.9476 FSP -.498 SG1 5844.4 SG2 384.0 THA 1.12 EL1 3232.7 EL2 179.8 ALF 6.16

LAUNCH DATE DEC 1 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.298 GAL 10.55 AZL 86.41 HCA 296.57 SMA 119.79 ECC .29197 INC 3.5928 V1 30.204
 RP 108.63 LAP -3.21 LOP 5.21 VP 36.544 GAP 16.14 AZP 88.39 TAL 151.71 TAP 88.29 RCA 84.82 APO 154.77 V2 34.884
 RC 190.259 GL 13.54 GP 1.74 ZAL 42.64 ZAP 177.87 ETS 56.22 ZAE 128.17 ETE 178.80 ZAC 100.22 ETC 166.37 CLP-178.78

PLANETOCENTRIC CONIC
 C3 47.917 VHL 6.922 DLA 23.26 RAL 20.54 RAD 6568.8 VEL 13.011 PTH 2.37 VMP 10.356 DPA 1.21 RAP 6.45 ECC 1.7886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 21 3259.64 -25.22 114.89 266.68 76.68 5 27 41 2659.6 -26.81 106.58
 90.00 23 33 32 4248.01 1.59 174.66 256.40 61.72 24 44 20 3648.0 -2.20 168.03
 100.00 6 12 43 2939.25 -27.50 91.90 267.26 77.79 7 1 42 2339.2 -28.90 83.38
 100.00 0 40 47 4043.63 3.63 158.51 255.27 60.31 1 48 10 3443.6 -3.35 151.98
 110.00 7 57 23 2611.78 -32.98 68.25 268.48 80.44 8 40 55 2011.8 -33.94 59.14
 110.00 1 12 36 3943.86 8.39 148.02 252.34 56.74 2 18 20 3343.9 3.95 141.74

DIFFERENTIAL CORRECTIONS
 TDE 3.4710 TRA 4.9960 TC3-1.7075 BAU 1.0940 SGT 5839.7 SGR 397.3 SG3 139.1 ST 3175.3 SR 391.0 SS 774.6
 RDE .4718 RRA -.0678 RC3 .0288 FAU .00959 RRT .3244 RRF .3132 RTF .9621 CRT .8838 CRS -.8504 CST -.9976
 FDE .9143 FRA 1.5552 FC3 -.1732 BSP 19214 SGB 5853.2 R23 -.0003 R13 .9621 LSA 3286.2 MSA 190.0 SSA 12.4
 BDE 3.5030 BRA 4.9965 BC3 1.7077 FSP -477 SGI 5841.1 SG2 375.7 THA 1.27 EL1 3194.1 EL2 181.9 ALF 6.23

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.263 GAL 11.55 AZL 86.37 HCA 299.75 SMA 119.60 ECC .30395 INC 3.6256 V1 30.204
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.530 GAP 16.91 AZP 88.20 TAL 150.33 TAP 90.09 RCA 83.25 APO 155.95 V2 34.895
 RC 192.167 GL 12.82 GP 1.71 ZAL 40.96 ZAP 178.27 ETS 81.80 ZAE 128.06 ETE 178.86 ZAC 102.40 ETC 166.32 CLP-179.71

PLANETOCENTRIC CONIC
 C3 53.766 VHL 7.333 DLA 23.19 RAL 22.39 RAD 6568.9 VEL 13.234 PTH 2.42 VMP 10.833 DPA 2.11 RAP 8.51 ECC 1.8848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 47 3284.57 -24.82 116.61 270.62 75.91 5 36 32 2684.6 -26.51 108.35
 90.00 23 39 51 4280.40 2.63 176.47 259.93 61.80 24 51 12 3680.4 -1.16 169.84
 100.00 6 21 0 2964.68 -27.12 93.69 271.24 76.92 7 10 25 2364.7 -28.65 85.22
 100.00 0 47 16 4075.52 4.70 160.27 258.79 60.45 1 55 11 3475.5 .73 153.73
 110.00 8 5 26 2637.98 -32.66 70.23 272.58 79.30 8 49 24 2038.0 -33.79 61.17
 110.00 1 19 20 3974.98 9.55 149.69 255.83 57.02 2 25 35 3375.0 5.14 143.37

DIFFERENTIAL CORRECTIONS
 TDE 3.5903 TRA 5.4372 TC3-1.4845 BAU 1.0671 SGT 5828.5 SGR 393.4 SG3 134.1 ST 3130.0 SR 390.1 SS 769.4
 RDE .4990 RRA -.0488 RC3 .0216 FAU .00814 RRT .3635 RRF .3522 RTF .9648 CRT .8816 CRS -.8505 CST -.9979
 FDE .9120 FRA 1.6069 FC3 -.1310 BSP 19248 SGB 5841.8 R23 .0002 R13 .9648 LSA 3241.2 MSA 190.0 SSA 11.9
 BDE 3.6248 BRA 5.4374 BC3 1.4846 FSP -461 SGI 5830.3 SG2 366.4 THA 1.41 EL1 3149.0 EL2 183.0 ALF 6.29

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.230 GAL 12.64 AZL 86.34 HCA 302.94 SMA 119.41 ECC .31722 INC 3.6606 V1 30.204
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.516 GAP 17.77 AZP 88.01 TAL 149.02 TAP 91.95 RCA 81.53 APO 157.28 V2 34.906
 RC 194.054 GL 12.12 GP 1.68 ZAL 39.38 ZAP 178.19 ETS 113.22 ZAE 127.92 ETE 178.92 ZAC 104.56 ETC 166.24 CLP 178.33

PLANETOCENTRIC CONIC
 C3 60.611 VHL 7.785 DLA 23.07 RAL 24.14 RAD 6569.1 VEL 13.490 PTH 2.47 VMP 11.357 DPA 3.01 RAP 10.55 ECC 1.9975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 22 3308.25 -24.42 118.23 274.49 75.20 5 45 31 2708.2 -26.21 110.02
 90.00 23 45 12 4315.51 3.76 178.43 263.38 61.91 24 57 8 3715.5 -.03 171.80
 100.00 6 29 21 2989.12 -26.73 95.41 275.14 76.10 7 19 10 2389.1 -28.38 86.99
 100.00 0 52 51 4109.87 5.85 162.17 262.23 60.63 2 1 21 3509.9 1.90 155.61
 110.00 8 13 24 2663.60 -32.32 72.15 276.61 78.21 8 57 47 2063.6 -33.61 63.15
 110.00 1 23 17 4008.16 10.77 151.48 259.25 57.36 2 32 6 3408.2 6.39 145.12

DIFFERENTIAL CORRECTIONS
 TDE 3.7171 TRA 5.9128 TC3-1.2753 BAU 1.0334 SGT 5813.7 SGR 389.0 SG3 129.4 ST 3082.3 SR 387.7 SS 766.5
 RDE .5268 RRA -.0268 RC3 .0158 FAU .00668 RRT .4025 RRF .3915 RTF .9676 CRT .8797 CRS -.8509 CST -.9982
 FDE .9123 FRA 1.6634 FC3 -.0955 BSP 19303 SGB 5826.7 R23 .0006 R13 .9676 LSA 3194.1 MSA 189.3 SSA 11.4
 BDE 3.7542 BRA 5.9129 BC3 1.2754 FSP -445 SGI 5815.8 SG2 356.0 THA 1.55 EL1 3101.2 EL2 183.2 ALF 6.34

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC
 RL 147.51 LAL .00 LOL 68.60 VL 26.197 GAL 13.83 AZL 86.30 HCA 306.12 SMA 119.22 ECC .33198 INC 3.6983 V1 30.204
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.504 GAP 18.72 AZP 87.82 TAL 147.77 TAP 93.89 RCA 79.64 APO 158.80 V2 34.918
 RC 195.918 GL 11.42 GP 1.65 ZAL 37.90 ZAP 177.66 ETS 136.75 ZAE 127.75 ETE 178.98 ZAC 106.68 ETC 166.14 CLP 178.34

PLANETOCENTRIC CONIC
 C3 68.666 VHL 8.286 DLA 22.92 RAL 25.77 RAD 6569.3 VEL 13.785 PTH 2.52 VMP 11.938 DPA 3.89 RAP 12.56 ECC 2.1301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 3 3330.64 -24.02 119.75 278.27 74.53 5 54 33 2730.6 -25.91 111.59
 90.00 23 49 36 4353.10 4.96 180.54 266.75 62.09 25 2 9 3753.1 1.19 173.89
 100.00 6 37 43 3012.50 -26.34 97.03 278.96 75.32 7 27 55 2412.5 -28.09 88.67
 100.00 0 57 33 4146.46 7.07 164.20 265.60 60.88 2 6 39 3546.5 3.13 157.63
 110.00 8 21 16 2688.52 -31.96 74.00 280.54 77.17 9 6 5 2088.5 -33.39 65.06
 110.00 1 30 29 4043.21 12.05 153.38 262.60 57.77 2 37 52 3443.2 7.71 146.98

DIFFERENTIAL CORRECTIONS
 TDE 3.8550 TRA 6.4272 TC3-1.0789 BAU .9905 SGT 5795.1 SGR 384.4 SG3 124.9 ST 3033.7 SR 383.9 SS 766.2
 RDE .5552 RRA -.0016 RC3 .0114 FAU .00521 RRT .4418 RRF .4309 RTF .9705 CRT .8782 CRS -.8518 CST -.9985
 FDE .9156 FRA 1.7254 FC3 -.0657 BSP 19313 SGB 5807.8 R23 .0007 R13 .9705 LSA 3146.8 MSA 187.7 SSA 10.9
 BDE 3.8948 BRA 6.4272 BC3 1.0790 FSP -429 SGI 5797.6 SG2 344.7 THA 1.68 EL1 3052.4 EL2 182.5 ALF 6.36

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 1 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 610.597

RL 147.51 LAL .00 LOL 68.60 VL 26.164 GAL 15.13 AZL 86.26 HCA 309.31 SMA 119.04 ECC .34844 INC 3.7391 V1 30.204
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.492 GAP 19.77 AZP 87.63 TAL 146.62 TAP 95.93 RCA 77.56 APO 160.52 V2 34.930
 RC 197.761 GL 10.73 GP 1.62 ZAL 36.53 ZAP 176.86 ETS 150.58 ZAE 127.54 ETE 179.04 ZAC 108.77 ETC 166.02 CLP 177.31

PLANETOCENTRIC CONIC

C3 78.202 VHL 8.843 OLA 22.73 RAL 27.30 RAD 6569.5 VEL 14.126 PTH 2.57 VHP 12.583 DPA 4.75 RAP 14.54 ECC 2.2870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 46 3351.65 -23.63 121.16 281.97 73.93 6 3 38 2751.6 -25.61 113.05
 90.00 23 53 1 4392.93 6.23 182.78 270.02 62.32 25 6 14 3792.9 2.47 176.12
 100.00 6 46 4 3034.71 -25.94 98.57 282.68 74.61 7 36 38 2434.7 -27.81 90.26
 100.00 1 1 21 4185.09 8.34 166.36 268.87 61.19 2 11 6 3585.1 4.44 159.75
 110.00 8 29 1 2712.62 -31.58 75.78 284.36 76.18 9 14 13 2112.6 -33.16 66.91
 110.00 1 34 53 4079.95 13.38 155.40 265.88 58.25 2 42 53 3479.9 9.08 148.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.0089 TRA 6.9876 TC3 -.8946 BAU .9353 SGT 5774.5 SGR 379.5 SG3 120.7 ST 2986.2 SR 378.7 SS 769.4
 ROE .5845 RRA .0272 RC3 .0082 FAU .00365 RRT .4813 RRF .4707 RTF .9736 CRT .8772 CRS -.8531 CST -.9988
 FOE .9231 FRA 1.7950 FC3 -.0404 BSP 19226 SGB 5787.0 R23 .0007 R13 .9736 LSA 3101.3 MSA 185.3 SSA 10.5
 BOE 4.0512 BRA 6.9877 BC3 .8946 FSP -412 SGI 5777.4 SG2 332.5 THA 1.82 EL1 3004.6 EL2 180.8 ALF 6.37

LAUNCH DATE DEC 1 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 614.196

RL 147.51 LAL .00 LOL 68.60 VL 26.133 GAL 16.56 AZL 86.22 HCA 312.50 SMA 118.87 ECC .36688 INC 3.7839 V1 30.204
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.482 GAP 20.96 AZP 87.44 TAL 145.57 TAP 98.07 RCA 75.26 APO 162.48 V2 34.942
 RC 199.980 GL 10.08 GP 1.60 ZAL 35.27 ZAP 175.91 ETS 158.82 ZAE 127.28 ETE 179.10 ZAC 110.80 ETC 165.87 CLP 176.23

PLANETOCENTRIC CONIC

C3 89.570 VHL 9.464 OLA 22.50 RAL 28.70 RAD 6569.8 VEL 14.523 PTH 2.64 VHP 13.305 DPA 5.59 RAP 16.48 ECC 2.4741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 29 3371.15 -23.26 122.47 285.54 73.37 6 12 40 2771.1 -25.31 114.41
 90.00 23 55 28 4434.78 7.54 185.15 273.18 62.63 25 9 23 3834.8 3.82 178.46
 100.00 6 54 21 3055.60 -25.56 100.00 286.28 73.95 7 45 17 2455.6 -27.51 91.74
 100.00 1 4 13 4225.56 9.66 168.64 272.04 61.58 2 14 39 3625.6 5.79 161.99
 110.00 8 36 36 2735.73 -31.19 77.47 288.04 75.25 9 22 11 2135.7 -32.90 68.66
 110.00 1 38 28 4118.20 14.74 157.53 269.07 58.80 2 47 6 3518.2 10.50 151.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.1736 TRA 7.5927 TC3 -.7261 BAU .8695 SGT 5747.0 SGR 374.2 SG3 116.7 ST 2935.0 SR 372.2 SS 774.9
 ROE .6144 RRA .0597 RC3 .0061 FAU .00207 RRT .5202 RRF .5099 RTF .9766 CRT .8765 CRS -.8548 CST -.9990
 FOE .9331 FRA 1.8710 FC3 -.0200 BSP 19232 SGB 5759.2 R23 .0004 R13 .9766 LSA 3052.8 MSA 181.9 SSA 9.9
 BOE 4.2186 BRA 7.5929 BC3 .7261 FSP -398 SGI 5750.3 SG2 319.4 THA 1.95 EL1 2953.1 EL2 178.1 ALF 6.37

LAUNCH DATE DEC 1 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 617.340

RL 147.51 LAL .00 LOL 68.60 VL 26.104 GAL 18.15 AZL 86.17 HCA 315.69 SMA 118.70 ECC .38761 INC 3.8335 V1 30.204
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.473 GAP 22.29 AZP 87.25 TAL 144.66 TAP 100.34 RCA 72.69 APO 164.71 V2 34.955
 RC 201.376 GL 9.39 GP 1.57 ZAL 34.13 ZAP 174.84 ETS 164.13 ZAE 126.96 ETE 179.15 ZAC 112.78 ETC 165.70 CLP 175.09

PLANETOCENTRIC CONIC

C3 103.224 VHL 10.160 OLA 22.24 RAL 29.97 RAD 6570.0 VEL 14.985 PTH 2.70 VHP 14.116 DPA 6.41 RAP 18.37 ECC 2.6988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 10 3388.95 -22.90 123.66 288.98 72.88 6 21 39 2788.9 -25.03 115.63
 90.00 0 0 51 4478.43 8.90 187.64 276.21 63.01 1 15 29 3878.4 5.21 180.91
 100.00 7 2 33 3074.95 -25.19 101.32 289.73 73.35 7 53 48 275.0 -27.23 93.11
 100.00 1 6 9 4267.66 11.02 171.03 275.09 62.04 2 17 17 3667.7 7.19 164.33
 110.00 8 43 59 2757.60 -30.80 79.05 291.57 74.39 9 29 57 2157.6 -32.63 70.31
 110.00 1 41 12 4157.78 16.12 159.77 272.16 59.44 2 50 30 3557.8 11.94 153.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.3569 TRA 8.2536 TC3 -.5708 BAU .7878 SGT 5715.5 SGR 368.7 SG3 112.9 ST 2883.3 SR 364.3 SS 784.1
 ROE .6453 RRA .0964 RC3 .0050 FAU .00037 RRT .5588 RRF .5490 RTF .9796 CRT .8764 CRS -.8570 CST -.9992
 FOE .9475 FRA 1.9563 FC3 -.0031 BSP 19222 SGB 5727.4 R23 -.0001 R13 .9796 LSA 3004.9 MSA 177.7 SSA 9.4
 BOE 4.4044 BRA 8.2541 BC3 .5708 FSP -385 SGI 5719.2 SG2 305.6 THA 2.07 EL1 2901.0 EL2 174.4 ALF 6.34

LAUNCH DATE DEC 1 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 619.909

RL 147.51 LAL .00 LOL 68.60 VL 26.075 GAL 19.93 AZL 86.11 HCA 318.88 SMA 118.55 ECC .41100 INC 3.8892 V1 30.204
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.465 GAP 23.79 AZP 87.07 TAL 143.90 TAP 102.78 RCA 69.82 APO 167.27 V2 34.968
 RC 203.147 GL 8.74 GP 1.55 ZAL 33.13 ZAP 173.68 ETS 167.79 ZAE 126.56 ETE 179.21 ZAC 114.68 ETC 165.51 CLP 173.87

PLANETOCENTRIC CONIC

C3 119.766 VHL 10.944 OLA 21.92 RAL 31.09 RAD 6570.2 VEL 15.527 PTH 2.77 VHP 15.033 DPA 7.19 RAP 20.20 ECC 2.9710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 45 3404.79 -22.58 124.71 292.24 72.45 6 30 30 2804.8 -24.77 116.72
 90.00 0 1 15 4523.69 10.29 190.24 279.10 63.47 1 16 38 3923.7 6.64 183.46
 100.00 7 10 36 3092.49 -24.84 102.50 293.02 72.82 8 2 9 2492.5 -26.96 94.34
 100.00 1 7 5 4811.22 12.40 173.53 278.01 62.58 2 18 56 3711.2 8.63 166.77
 110.00 8 51 8 2777.95 -30.42 80.51 294.92 73.60 9 37 26 2178.0 -32.37 71.84
 110.00 1 43 2 4198.52 17.51 162.10 275.12 60.16 2 53 0 3598.5 13.41 155.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.5635 TRA 8.9793 TC3 -.4282 BAU .6856 SGT 5680.3 SGR 363.1 SG3 109.3 ST 2832.0 SR 355.3 SS 797.8
 ROE .6772 RRA .1378 RC3 .0047 FAU .00153 RRT .5971 RRF .5877 RTF .9826 CRT .8771 CRS -.8599 CST -.9993
 FOE .9672 FRA 2.0530 FC3 .0111 BSP 19177 SGB 5691.9 R23 -.0006 R13 .9826 LSA 2958.6 MSA 172.6 SSA 8.9
 BOE 4.6135 BRA 8.9804 BC3 .4282 FSP -373 SGI 5684.5 SG2 291.1 THA 2.19 EL1 2849.2 EL2 169.7 ALF 6.30

LAUNCH DATE DEC 2 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 10 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.265 GAL -6.18 AZL 86.70 MCA 80.16 SMA 119.57 ECC .25579 INC 3.3013 V1 30.209
 RP 107.51 LAP 3.25 LOP 149.75 VP 36.863 GAP -13.67 AZP 89.44 TAL 198.70 TAP 278.86 RCA 88.99 APO 150.16 V2 35.247
 RC 45.230 GL 17.18 GP -1.65 ZAL 120.13 ZAP 4.07 ETS 22.72 ZAE 150.21 ETE 335.15 ZAC 62.12 ETC 161.76 CLP -3.72

PLANETOCENTRIC CONIC
 C3 25.931 VHL 5.092 DLA -1.66 RAL 305.96 RAD 6568.0 VEL 12.137 PTH -2.18 VHP 8.808 DPA -17.40 RAP 329.95 ECC 1.4268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 18 2226.06 -19.85 42.21 171.10 110.62 3 52 24 1626.1 -16.86 34.81
 90.00 14 48 44 4972.97 22.17 217.81 172.01 71.92 16 11 37 4373.0 19.49 210.16
 100.00 4 35 52 1966.16 -20.96 22.64 170.64 111.81 5 8 39 1366.2 -17.81 15.25
 100.00 16 10 51 4708.11 23.30 197.92 171.60 70.73 17 29 19 4108.1 20.46 190.28
 110.00 5 42 21 1758.08 -23.94 5.44 169.24 115.16 6 11 39 1158.1 -20.35 358.14
 110.00 17 20 52 4488.95 26.34 180.00 170.32 67.38 18 35 41 3889.0 23.04 172.39

DIFFERENTIAL CORRECTIONS
 TOE -2.436 TRA -4.519 TC3 .4253 BAU .1582 SGT 722.1 SGR 406.9 SG3 101.9 ST 313.9 SR 360.9 SS 322.5
 ROE -3.199 RRA .0780 RC3 -.1653 FAU .03237 RRT -.0644 RRF .0657 RTF -.6841 CRT .8345 CRS .9940 CST .8666
 FDE .3754 FRA -.0178 FC3 -1.0808 BSP 2028 SGB 828.9 R23 -.0013 R13 .6844 LSA 558.2 MSA 144.0 SSA 21.5
 BDE .4021 BRA .4586 BC3 .4563 FSP -251 SG1 722.8 SG2 405.7 THA 176.96 EL1 458.6 EL2 136.2 ALF 49.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 12 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.484 GAL -6.19 AZL 86.68 MCA 83.40 SMA 120.83 ECC .24435 INC 3.3244 V1 30.209
 RP 107.53 LAP 3.30 LOP 153.00 VP 37.015 GAP -12.68 AZP 89.62 TAL 200.00 TAP 283.40 RCA 91.31 APO 150.36 V2 35.242
 RC 46.516 GL 18.00 GP -1.76 ZAL 121.57 ZAP 6.30 ETS 19.05 ZAE 149.00 ETE 336.16 ZAC 63.03 ETC 161.92 CLP -6.05

PLANETOCENTRIC CONIC
 C3 24.409 VHL 4.941 DLA -1.25 RAL 304.19 RAD 6568.0 VEL 12.074 PTH 2.16 VHP 8.262 DPA -17.20 RAP 330.90 ECC 1.4017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 10 2223.99 -19.80 42.08 168.42 110.67 3 42 14 1624.0 -16.81 34.68
 90.00 14 44 44 4945.23 21.57 216.00 169.08 71.20 16 7 10 4345.2 18.81 208.42
 100.00 4 25 56 1963.47 -20.89 22.47 167.97 111.88 4 58 40 1363.5 -17.74 15.09
 100.00 16 6 40 4680.98 22.68 196.14 169.66 69.99 17 24 41 4081.0 19.75 188.57
 110.00 5 32 51 1754.01 -23.82 5.18 166.58 115.27 6 2 5 1154.0 -20.22 357.89
 110.00 17 16 14 4463.21 25.65 178.31 167.36 66.59 18 30 37 3863.2 22.26 170.80

DIFFERENTIAL CORRECTIONS
 TOE -2.480 TRA -4.285 TC3 .4800 BAU .1671 SGT 744.8 SGR 407.1 SG3 115.2 ST 324.3 SR 358.6 SS 348.2
 ROE -3.084 RRA .0703 RC3 -.4787 FAU .03536 RRT -.0705 RRF .0730 RTF -.7001 CRT .8528 CRS .9955 CST .8684
 FDE .4191 FRA -.0566 FC3 -1.2542 BSP 2119 SGB 848.8 R23 -.0029 R13 .7005 LSA 578.1 MSA 142.5 SSA 22.4
 BDE .3958 BRA .4342 BC3 .5122 FSP -290 SG1 745.6 SG2 405.7 THA 176.86 EL1 465.5 EL2 130.5 ALF 48.36

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 14 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.682 GAL -6.21 AZL 86.65 MCA 86.65 SMA 122.00 ECC .23415 INC 3.3472 V1 30.209
 RP 107.55 LAP 3.34 LOP 156.25 VP 37.152 GAP -11.73 AZP 89.80 TAL 201.32 TAP 287.97 RCA 93.44 APO 150.57 V2 35.236
 RC 47.916 GL 18.78 GP -1.88 ZAL 122.97 ZAP 8.66 ETS 11.39 ZAE 148.03 ETE 336.98 ZAC 63.86 ETC 162.06 CLP -8.45

PLANETOCENTRIC CONIC
 C3 23.154 VHL 4.812 DLA -.86 RAL 302.46 RAD 6567.9 VEL 12.022 PTH 2.15 VHP 7.746 DPA -17.04 RAP 331.77 ECC 1.3810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 24 2223.00 -19.77 42.02 165.91 110.69 3 32 27 1623.0 -16.78 34.62
 90.00 14 40 41 4920.37 21.02 214.39 166.35 70.58 16 2 41 4320.4 18.18 206.86
 100.00 4 16 21 1961.91 -20.85 22.37 165.46 111.92 4 49 3 1361.9 -17.69 15.00
 100.00 16 2 25 4656.70 22.11 194.57 165.92 69.35 17 20 2 4056.7 19.10 187.06
 110.00 5 23 40 1751.16 -23.74 5.00 164.09 115.35 5 52 51 1151.2 -20.13 357.72
 110.00 17 11 35 4440.22 25.02 176.83 164.61 65.92 18 25 35 3840.2 21.56 169.39

DIFFERENTIAL CORRECTIONS
 TOE -2.528 TRA -4.056 TC3 .5329 BAU .1753 SGT 766.1 SGR 406.4 SG3 130.2 ST 334.4 SR 355.1 SS 376.2
 ROE -2.2976 RRA .0629 RC3 -.1916 FAU .03877 RRT -.0774 RRF .0815 RTF -.7142 CRT .8700 CRS .9959 CST .8709
 FDE .4698 FRA -.1021 FC3 -1.4497 BSP 2205 SGB 867.2 R23 -.0048 R13 .7146 LSA 599.1 MSA 141.5 SSA 23.3
 BDE .3905 BRA .4105 BC3 .5663 FSP -335 SG1 767.0 SG2 404.8 THA 176.74 EL1 471.7 EL2 124.1 ALF 46.98

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 16 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.860 GAL -6.24 AZL 86.63 MCA 89.89 SMA 123.08 ECC .22510 INC 3.3699 V1 30.209
 RP 107.56 LAP 3.37 LOP 159.50 VP 37.274 GAP -10.84 AZP 89.99 TAL 202.64 TAP 292.53 RCA 95.37 APO 150.78 V2 35.230
 RC 49.420 GL 19.49 GP -2.02 ZAL 124.31 ZAP 11.14 ETS 9.28 ZAE 147.29 ETE 337.61 ZAC 64.61 ETC 162.16 CLP -10.96

PLANETOCENTRIC CONIC
 C3 22.121 VHL 4.703 DLA -.50 RAL 300.79 RAD 6567.9 VEL 11.979 PTH 2.13 VHP 7.257 DPA -16.92 RAP 332.55 ECC 1.3640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 5 2223.00 -19.77 42.02 163.57 110.69 3 23 8 1623.0 -16.78 34.62
 90.00 14 36 39 4898.19 20.51 212.96 163.82 70.04 15 58 18 4298.2 17.60 205.49
 100.00 4 7 11 1961.37 -20.84 22.33 163.12 111.93 4 39 53 1361.4 -17.68 14.96
 100.00 15 58 14 4635.06 21.58 193.18 163.39 68.80 17 15 29 4035.1 18.51 185.73
 110.00 5 14 54 1749.43 -23.69 4.89 161.77 115.39 5 44 3 1149.4 -20.07 357.62
 110.00 17 7 1 4419.77 24.45 175.51 162.07 65.33 18 20 41 3819.8 20.91 168.15

DIFFERENTIAL CORRECTIONS
 TOE -2.572 TRA -3.830 TC3 .5825 BAU .1825 SGT 784.9 SGR 404.9 SG3 147.6 ST 343.6 SR 350.6 SS 406.2
 ROE -2.873 RRA .0558 RC3 -.2041 FAU .04267 RRT -.0857 RRF .0917 RTF -.7266 CRT .8859 CRS .9956 CST .8739
 FDE .5284 FRA -.1553 FC3 -1.6700 BSP 2281 SGB 883.2 R23 -.0071 R13 .7272 LSA 620.9 MSA 141.1 SSA 23.9
 BDE .3856 BRA .3870 BC3 .6172 FSP -386 SG1 786.0 SG2 402.9 THA 176.56 EL1 476.7 EL2 117.2 ALF 45.65

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC

DISTANCE 208.549

RL 147.48 LAL .00 LOL 69.61 VL 27.019 GAL -6.27 AZL 86.61 HCA 93.13 SMA 124.07 ECC .21711 INC 3.3925 V1 30.209
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.383 GAP -9.98 AZP 90.19 TAL 203.95 TAP 297.09 RCA 97.13 APO 151.00 V2 35.224
 RC 51.018 GL 20.16 GP -2.17 ZAL 125.58 ZAP 13.74 ETS 7.92 ZAE 146.81 ETE 338.07 ZAC 65.26 ETC 162.24 CLP -13.57

PLANETOCENTRIC CONIC

C3 21.273 VHL 4.612 DLA -.17 RAL 299.19 RAD 6567.9 VEL 11.944 PTH 2.13 VHP 6.796 DPA -16.85 RAP 333.22 ECC 1.3501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 15 2223.09 -19.79 42.07 161.42 110.67 3 14 19 1623.9 -16.80 34.67
 90.00 14 32 46 4878.44 20.05 211.70 161.50 69.57 15 54 5 4278.4 17.08 204.27
 100.00 3 58 31 1961.76 -20.85 22.36 160.98 111.92 4 31 13 1361.8 -17.69 14.99
 100.00 15 54 11 4615.81 21.10 191.95 161.06 68.32 17 11 7 4015.8 17.97 184.55
 110.00 5 6 35 1748.71 -23.67 4.85 159.64 115.41 5 35 43 1148.7 -20.05 357.58
 110.00 17 2 37 4401.62 23.93 174.36 159.74 64.83 18 15 59 3801.6 20.34 167.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2613 TRA -.3613 TC3 .6270 BAU .1886 SGT 800.9 SGR 402.5 SG3 167.3 ST 351.9 SR 344.9 SS 438.5
 RDE -.2772 RRA .0491 RC3 -.2160 FAU .04711 RRT -.0956 RRF .1038 RTF -.7369 CRT .9000 CRS .9946 CST .8770
 FDE .5962 FRA -.2167 FC3 -1.9174 BSP 2347 SGB 896.3 R23 -.0100 R13 .7376 LSA 643.8 MSA 141.4 SSA 24.3
 BDE .3810 BRA .3646 BC3 .6632 FSP -445 SG1 802.1 SG2 400.0 THA 176.34 EL1 480.2 EL2 110.2 ALF 44.36

LAUNCH DATE DEC 2 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC

DISTANCE 215.319

RL 147.48 LAL .00 LOL 69.61 VL 27.162 GAL -6.31 AZL 86.58 HCA 96.37 SMA 124.97 ECC .21008 INC 3.4153 V1 30.209
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.479 GAP -9.16 AZP 90.38 TAL 205.23 TAP 301.60 RCA 98.72 APO 151.22 V2 35.216
 RC 52.701 GL 20.76 GP -2.34 ZAL 126.77 ZAP 16.47 ETS 6.98 ZAE 146.59 ETE 338.34 ZAC 65.79 ETC 162.28 CLP -16.31

PLANETOCENTRIC CONIC

C3 20.580 VHL 4.536 DLA .14 RAL 297.69 RAD 6567.8 VEL 11.915 PTH 2.12 VHP 6.361 DPA -16.84 RAP 333.77 ECC 1.3387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 58 2225.59 -19.83 42.18 159.45 110.63 3 6 4 1625.6 -16.85 34.78
 90.00 14 29 6 4860.85 19.62 210.58 159.39 69.17 15 50 7 4260.8 16.61 203.19
 100.00 3 50 23 1962.99 -20.88 22.44 159.02 111.89 4 23 6 1363.0 -17.72 15.06
 100.00 15 50 22 4598.68 20.67 190.86 158.95 67.91 17 7 1 3998.7 17.49 183.51
 110.00 4 58 46 1748.90 -23.68 4.86 157.70 115.41 5 27 55 1148.9 -20.06 357.59
 110.00 16 58 28 4385.53 23.46 173.35 157.62 64.39 18 11 34 3785.5 19.82 166.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2630 TRA -.3391 TC3 .6684 BAU .1943 SGT 813.4 SGR 399.3 SG3 190.0 ST 356.6 SR 338.0 SS 472.4
 RDE -.2673 RRA .0425 RC3 -.2275 FAU .05227 RRT -.1111 RRF .1197 RTF -.7468 CRT .9121 CRS .9929 CST .8792
 FDE .6734 FRA -.2893 FC3 -2.1987 BSP 2437 SGB 906.1 R23 -.0110 R13 .7476 LSA 666.2 MSA 142.1 SSA 24.6
 BDE .3750 BRA .3418 BC3 .7061 FSP -517 SG1 815.0 SG2 396.1 THA 175.91 EL1 480.5 EL2 102.9 ALF 43.31

LAUNCH DATE DEC 2 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

DISTANCE 222.071

RL 147.48 LAL .00 LOL 69.61 VL 27.289 GAL -6.34 AZL 86.56 HCA 99.61 SMA 125.79 ECC .20393 INC 3.4384 V1 30.209
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.563 GAP -8.37 AZP 90.58 TAL 206.46 TAP 306.07 RCA 100.13 APO 151.44 V2 35.208
 RC 54.462 GL 21.32 GP -2.54 ZAL 127.85 ZAP 19.35 ETS 6.29 ZAE 146.64 ETE 338.43 ZAC 66.19 ETC 162.28 CLP -19.19

PLANETOCENTRIC CONIC

C3 20.013 VHL 4.474 DLA .43 RAL 296.31 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 5.952 DPA -16.90 RAP 334.19 ECC 1.3294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 15 2228.02 -19.89 42.33 157.68 110.58 2 58 23 1628.0 -16.91 34.92
 90.00 14 25 44 4845.10 19.24 209.58 157.48 68.81 15 46 29 4245.1 16.19 202.23
 100.00 3 42 48 1964.98 -20.93 22.56 157.25 111.84 4 15 33 1365.0 -17.78 15.18
 100.00 15 46 52 4583.36 20.27 189.89 157.04 67.55 17 3 15 3983.4 17.05 182.58
 110.00 4 51 30 1749.92 -23.71 4.92 155.94 115.38 5 20 40 1149.9 -20.09 357.65
 110.00 16 54 39 4371.19 23.03 172.45 155.70 64.02 18 7 30 3771.2 19.35 165.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2654 TRA -.3206 TC3 .6979 BAU .1974 SGT 821.0 SGR 395.3 SG3 215.7 ST 362.0 SR 329.7 SS 510.0
 RDE -.2572 RRA .0363 RC3 -.2388 FAU .05806 RRT -.1249 RRF .1372 RTF -.7518 CRT .9225 CRS .9910 CST .8816
 FDE .7645 FRA -.3707 FC3 -2.5114 BSP 2467 SGB 911.2 R23 -.0159 R13 .7529 LSA 691.8 MSA 144.0 SSA 24.6
 BDE .3695 BRA .3226 BC3 .7376 FSP -595 SG1 822.9 SG2 391.3 THA 175.55 EL1 480.1 EL2 95.9 ALF 42.11

LAUNCH DATE DEC 2 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 228.803

RL 147.48 LAL .00 LOL 69.61 VL 27.401 GAL -6.37 AZL 86.54 HCA 102.85 SMA 126.52 ECC .19857 INC 3.4619 V1 30.209
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.637 GAP -7.82 AZP 90.77 TAL 207.62 TAP 310.47 RCA 101.40 APO 151.65 V2 35.200
 RC 56.291 GL 21.83 GP -2.75 ZAL 128.83 ZAP 22.39 ETS 5.75 ZAE 146.97 ETE 338.31 ZAC 66.44 ETC 162.23 CLP -22.23

PLANETOCENTRIC CONIC

C3 19.551 VHL 4.422 DLA .71 RAL 295.03 RAD 6567.8 VEL 11.871 PTH 2.11 VHP 5.569 DPA -17.03 RAP 334.47 ECC 1.3218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 7 2231.12 -19.97 42.53 156.10 110.51 2 51 18 1631.1 -17.00 35.11
 90.00 14 22 43 4830.89 18.89 208.69 155.77 68.50 15 43 14 4230.9 15.80 201.37
 100.00 3 35 47 1967.67 -21.00 22.73 155.68 111.78 4 8 35 1367.7 -17.86 15.35
 100.00 15 43 44 4569.58 19.91 189.03 155.33 67.23 16 59 54 3969.6 16.65 181.75
 110.00 4 44 47 1751.67 -23.76 5.03 154.38 115.33 5 13 59 1151.7 -20.15 357.75
 110.00 16 51 13 4358.34 22.65 171.65 153.99 63.68 18 3 51 3758.3 18.93 164.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2660 TRA -.3039 TC3 .7183 BAU .1988 SGT 823.1 SGR 390.7 SG3 245.1 ST 364.8 SR 320.0 SS 550.2
 RDE -.2467 RRA .0301 RC3 -.2500 FAU .06467 RRT -.1418 RRF .1590 RTF -.7539 CRT .9309 CRS .9887 CST .8830
 FDE .8694 FRA -.4643 FC3 -2.8637 BSP 2477 SGB 911.1 R23 -.0222 R13 .7554 LSA 718.5 MSA 146.4 SSA 24.3
 BDE .3628 BRA .3054 BC3 .7606 FSP -686 SG1 825.5 SG2 385.6 THA 175.07 EL1 477.0 EL2 89.4 ALF 40.98

LAUNCH DATE DEC 2 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.499 GAL -6.40 AZL 86.51 HCA 106.09 SMA 127.18 ECC .19391 INC 3.4860 V1 30.209
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.700 GAP -6.90 AZP 90.97 TAL 208.70 TAP 314.79 RCA 102.52 APO 151.84 V2 35.191
 RC 58.184 GL 22.30 GP -2.99 ZAL 129.70 ZAP 25.61 ETS 5.32 ZAE 147.58 ETE 337.95 ZAC 66.53 ETC 162.14 CLP -25.45

PLANETOCENTRIC CONIC
 C3 19.174 VHL 4.379 DLA .98 RAL 293.88 RAD 6567.8 VEL 11.856 PTH 2.10 VHP 5.211 OPA -17.25 RAP 334.57 ECC 1.3155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 32 2234.86 -20.06 42.77 154.71 110.42 2 44 47 1634.9 -17.10 35.34
 90.00 14 20 8 4817.93 18.56 207.88 154.26 68.22 15 40 26 4217.9 15.44 200.59
 100.00 3 29 20 1971.00 -21.08 22.94 154.29 111.70 4 2 11 1371.0 -17.95 15.55
 100.00 15 41 1 4557.02 19.58 188.25 153.82 66.95 16 56 58 3957.0 16.29 181.00
 110.00 4 38 37 1754.11 -23.83 5.19 153.00 115.27 5 7 51 1154.1 -20.23 357.90
 110.00 16 48 13 4346.68 22.29 170.93 152.47 63.39 18 0 40 3746.7 18.54 163.81

DIFFERENTIAL CORRECTIONS
 TDE -.2644 TRA -.2901 TC3 .7273 BAU .1981
 ROE -.2358 RRA .0241 RC3 -.2614 FAU .07215
 FDE .9907 FRA -.5703 FC3-3.2577 BSP 2462
 BDE .3543 BRA .2911 BC3 .7728 FSP -789

MID-COURSE EXECUTION ACCURACY
 SGT 818.2 SGR 385.5 SG3 278.3
 RRT -.1618 RRF .1850 RTF -.7521
 SGB 904.5 R23 -.0304 R13 .7542
 SG1 821.2 SG2 379.0 THA 174.46

ORBIT DETERMINATION ACCURACY
 ST 364.7 SR 308.8 SS 593.5
 CRT .9371 CRS .9864 CST .8831
 LSA 746.8 MSA 149.3 SSA 23.9
 EL1 470.5 EL2 83.5 ALF 39.94

LAUNCH DATE DEC 2 1965

FLIGHT TIME 88.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.586 GAL -6.43 AZL 86.49 HCA 109.32 SMA 127.76 ECC .18988 INC 3.5108 V1 30.209
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.754 GAP -6.22 AZP 91.16 TAL 209.69 TAP 319.01 RCA 103.50 APO 152.02 V2 35.181
 RC 60.133 GL 22.74 GP -3.27 ZAL 130.45 ZAP 29.03 ETS 4.94 ZAE 148.48 ETE 337.31 ZAC 66.43 ETC 161.98 CLP -28.86

PLANETOCENTRIC CONIC
 C3 18.865 VHL 4.343 DLA 1.25 RAL 292.86 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 4.878 OPA -17.57 RAP 334.49 ECC 1.3105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 30 2239.21 -20.16 43.05 153.49 110.32 2 38 49 1639.2 -17.21 35.61
 90.00 14 18 1 4805.93 18.26 207.13 152.93 67.97 15 38 7 4205.9 15.11 199.87
 100.00 3 23 25 1974.96 -21.18 23.20 153.07 111.60 3 56 20 1375.0 -18.06 15.79
 100.00 15 38 46 4545.41 19.27 187.52 152.48 66.69 16 54 32 3945.4 15.95 180.30
 110.00 4 32 59 1757.18 -23.92 5.38 151.79 115.18 5 2 17 1157.2 -20.32 358.08
 110.00 16 45 41 4335.95 21.97 170.27 151.13 63.13 17 57 57 3736.0 18.18 163.18

DIFFERENTIAL CORRECTIONS
 TOE -.2585 TRA -.2782 TC3 .7265 BAU .1958
 ROE -.2242 RRA .0180 RC3 -.2736 FAU .08070
 FDE 1.1271 FRA -.6918 FC3-3.7035 BSP 2454
 BDE .3422 BRA .2788 BC3 .7763 FSP -913

MID-COURSE EXECUTION ACCURACY
 SGT 805.8 SGR 380.2 SG3 316.2
 RRT -.1888 RRF .2179 RTF -.7468
 SGB 891.0 R23 -.0395 R13 .7498
 SG1 809.9 SG2 371.4 THA 173.55

ORBIT DETERMINATION ACCURACY
 ST 358.9 SR 295.9 SS 638.4
 CRT .9411 CRS .9837 CST .8806
 LSA 774.7 MSA 152.1 SSA 23.4
 EL1 458.5 EL2 78.3 ALF 39.18

LAUNCH DATE DEC 2 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.660 GAL -6.44 AZL 86.46 HCA 112.55 SMA 128.27 ECC .18640 INC 3.5367 V1 30.209
 RP 107.75 LAP 3.27 LOP 182.20 VP 37.800 GAP -5.56 AZP 91.36 TAL 210.58 TAP 323.13 RCA 104.36 APO 152.18 V2 35.171
 RC 62.133 GL 23.14 GP -3.57 ZAL 131.08 ZAP 32.67 ETS 4.60 ZAE 149.67 ETE 336.33 ZAC 66.14 ETC 161.75 CLP -32.50

PLANETOCENTRIC CONIC
 C3 18.611 VHL 4.314 DLA 1.51 RAL 291.97 RAD 6567.8 VEL 11.832 PTH 2.10 VHP 4.569 OPA -18.00 RAP 334.20 ECC 1.3063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 58 2244.17 -20.28 43.36 152.44 110.20 2 33 23 1644.2 -17.34 35.92
 90.00 14 16 23 4794.59 17.97 206.42 151.77 67.74 15 36 18 4194.6 14.79 199.18
 100.00 3 18 1 1979.53 -21.30 23.49 152.03 111.49 3 51 1 1379.5 -18.19 16.07
 100.00 15 37 2 4534.47 18.97 186.85 151.32 66.46 16 52 36 3934.5 15.63 179.65
 110.00 4 27 52 1760.88 -24.02 5.62 150.76 115.08 4 57 13 1160.9 -20.44 358.30
 110.00 16 43 40 4325.89 21.66 169.66 149.97 62.88 17 55 46 3725.9 17.85 162.60

DIFFERENTIAL CORRECTIONS
 TOE -.2507 TRA -.2719 TC3 .7080 BAU .1900
 ROE -.2116 RRA .0119 RC3 -.2865 FAU .09017
 FDE 1.2849 FRA -.8250 FC3-4.1945 BSP 2369
 BDE .3281 BRA .2722 BC3 .7637 FSP -1047

MID-COURSE EXECUTION ACCURACY
 SGT 783.9 SGR 374.7 SG3 358.4
 RRT -.2150 RRF .2559 RTF -.7327
 SGB 868.8 R23 -.0564 R13 .7375
 SG1 789.1 SG2 363.5 THA 172.54

ORBIT DETERMINATION ACCURACY
 ST 350.6 SR 281.2 SS 687.4
 CRT .9425 CRS .9811 CST .8755
 LSA 806.2 MSA 155.4 SSA 22.7
 EL1 443.3 EL2 74.3 ALF 38.36

LAUNCH DATE DEC 2 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.725 GAL -6.46 AZL 86.44 HCA 115.79 SMA 128.71 ECC .18340 INC 3.5638 V1 30.209
 RP 107.78 LAP 3.21 LOP 185.44 VP 37.837 GAP -4.93 AZP 91.55 TAL 211.36 TAP 327.14 RCA 105.11 APO 152.32 V2 35.160
 RC 64.180 GL 23.53 GP -3.91 ZAL 131.60 ZAP 36.55 ETS 4.27 ZAE 151.15 ETE 334.91 ZAC 65.63 ETC 161.44 CLP -36.37

PLANETOCENTRIC CONIC
 C3 18.401 VHL 4.290 DLA 1.78 RAL 291.20 RAD 6567.7 VEL 11.823 PTH 2.09 VHP 4.286 OPA -18.54 RAP 333.69 ECC 1.3028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 56 2249.77 -20.41 43.72 151.56 110.07 2 28 25 1649.8 -17.49 36.26
 90.00 14 15 18 4783.66 17.68 205.74 150.77 67.52 15 35 2 4183.7 14.48 198.53
 100.00 3 13 6 1984.73 -21.42 23.82 151.15 111.36 3 46 11 1384.7 -18.33 16.39
 100.00 15 35 49 4523.93 18.68 186.20 150.32 66.23 16 51 13 3923.9 15.31 179.03
 110.00 4 23 14 1765.19 -24.15 5.89 149.89 114.96 4 52 40 1165.2 -20.58 358.56
 110.00 16 42 10 4316.24 21.35 169.07 148.96 62.65 17 54 6 3716.2 17.52 162.04

DIFFERENTIAL CORRECTIONS
 TOE -.2388 TRA -.2705 TC3 .6725 BAU .1812
 ROE -.1979 RRA .0057 RC3 -.3006 FAU .10062
 FDE 1.4639 FRA -.9713 FC3-4.7340 BSP 2238
 BDE .3102 BRA .2706 BC3 .7366 FSP -1196

MID-COURSE EXECUTION ACCURACY
 SGT 751.9 SGR 369.4 SG3 405.3
 RRT -.2421 RRF .3004 RTF -.7082
 SGB 837.7 R23 -.0820 R13 .7159
 SG1 758.7 SG2 355.2 THA 171.29

ORBIT DETERMINATION ACCURACY
 ST 337.3 SR 264.5 SS 739.7
 CRT .9408 CRS .9784 CST .8660
 LSA 839.8 MSA 158.7 SSA 21.9
 EL1 422.7 EL2 71.6 ALF 37.69

LAUNCH DATE DEC 2 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 262.089

RL 147.48 LAL .00 LOL 69.61 VL 27.779 GAL -6.46 AZL 86.41 HCA 119.01 SMA 129.09 ECC .18083 INC 3.5924 V1 30.209
 RP 107.81 LAP 3.14 LOP 188.67 VP 37.866 GAP -4.32 AZP 91.74 TAL 212.02 TAP 331.04 RCA 105.75 APO 152.44 V2 35.149
 RC 66.268 GL 23.90 GP -4.29 ZAL 132.00 ZAP 40.68 ETS 3.94 ZAE 152.91 ETE 332.92 ZAC 64.89 ETC 161.03 CLP -40.49

PLANETOCENTRIC CONIC

C3 18.225 VHL 4.269 DLA 2.05 RAL 290.55 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 4.029 DPA -19.20 RAP 332.95 ECC 1.2999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 19 2256.04 -20.55 44.12 150.83 109.92 2 23 55 1656.0 -17.65 36.65
 90.00 14 14 46 4772.89 17.40 205.08 149.93 67.30 15 34 19 4172.9 14.18 197.89
 100.00 3 8 37 1990.59 -21.57 24.19 150.42 111.21 3 41 47 1390.6 -18.49 16.75
 100.00 15 35 9 4513.58 18.40 185.56 149.48 66.02 16 50 23 3913.6 15.00 178.41
 110.00 4 19 3 1770.12 -24.29 6.20 149.17 114.83 4 48 33 1170.1 -20.74 358.86
 110.00 16 41 12 4306.81 21.06 168.50 148.11 62.43 17 52 59 3706.8 17.20 161.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2204 TRA -.2732 TC3 .6224 BAU .1701 SGT 710.3 SGR 365.3 SG3 457.2 ST 316.0 SR 245.9 SS 792.7
 RDE -.1832 RRA -.0007 RC3 -.3165 FAU .11225 RRT -.2719 RRF .3541 RTF -.6702 CRT .9342 CRS .9751 CST .8484
 FDE 1.6591 FRA -1.1337 FC3 -5.3325 BSP 2096 SGB 798.8 R23 -.1187 R13 .6834 LSA 873.0 MSA 161.4 SSA 21.2
 BDE .2865 BRA .2732 BC3 .6983 FSP -1370 SG1 719.4 SG2 347.1 THA 169.59 EL1 394.2 EL2 70.3 ALF 37.42

LAUNCH DATE DEC 2 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 268.664

RL 147.48 LAL .00 LOL 69.61 VL 27.825 GAL -6.46 AZL 86.38 HCA 122.24 SMA 129.41 ECC .17862 INC 3.6228 V1 30.209
 RP 107.85 LAP 3.06 LOP 191.90 VP 37.889 GAP -3.74 AZP 91.93 TAL 212.57 TAP 334.81 RCA 106.30 APO 152.53 V2 35.138
 RC 68.394 GL 24.26 GP -4.72 ZAL 132.29 ZAP 45.07 ETS 3.58 ZAE 154.91 ETE 330.15 ZAC 63.93 ETC 160.51 CLP -44.88

PLANETOCENTRIC CONIC

C3 18.074 VHL 4.251 DLA 2.34 RAL 290.03 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 3.797 DPA -19.99 RAP 331.95 ECC 1.2975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 5 2263.04 -20.71 44.57 150.25 109.75 2 19 48 1663.0 -17.83 37.08
 90.00 14 14 48 4762.03 17.11 204.41 149.23 67.09 15 34 10 4162.0 13.86 197.24
 100.00 3 4 31 1997.15 -21.73 24.62 149.85 111.05 3 37 48 1397.1 -18.68 17.15
 100.00 15 35 4 4503.15 18.11 184.92 148.77 65.80 16 50 7 3903.2 14.69 177.80
 110.00 4 15 15 1775.72 -24.45 6.56 148.60 114.67 4 44 51 1175.7 -20.91 359.20
 110.00 16 40 48 4297.34 20.76 167.93 147.40 62.21 17 52 26 3697.3 16.88 160.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1976 TRA -.2838 TC3 .5486 BAU .1552 SGT 659.6 SGR 362.3 SG3 512.6 ST 290.4 SR 225.1 SS 849.4
 RDE -.1669 RRA -.0073 RC3 -.3339 FAU .12451 RRT -.2877 RRF .4129 RTF -.6049 CRT .9198 CRS .9717 CST .8188
 FDE 1.8776 FRA -1.3013 FC3 -5.9640 BSP 1863 SGB 752.5 R23 -.1819 R13 .6286 LSA 910.5 MSA 164.4 SSA 20.3
 BDE .2586 BRA .2839 BC3 .6422 FSP -1550 SG1 670.7 SG2 341.2 THA 167.82 EL1 360.4 EL2 71.2 ALF 37.18

LAUNCH DATE DEC 2 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 275.210

RL 147.48 LAL .00 LOL 69.61 VL 27.862 GAL -6.45 AZL 86.34 HCA 125.46 SMA 129.67 ECC .17674 INC 3.6554 V1 30.209
 RP 107.89 LAP 2.98 LOP 195.13 VP 37.906 GAP -3.19 AZP 92.12 TAL 213.01 TAP 338.47 RCA 106.76 APO 152.59 V2 35.126
 RC 70.553 GL 24.63 GP -5.18 ZAL 132.46 ZAP 49.72 ETS 3.19 ZAE 157.12 ETE 326.32 ZAC 62.74 ETC 159.86 CLP -49.52

PLANETOCENTRIC CONIC

C3 17.945 VHL 4.236 DLA 2.64 RAL 289.62 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 3.591 DPA -20.90 RAP 330.69 ECC 1.2953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 11 2270.84 -20.89 45.08 149.81 109.96 2 16 1 1670.8 -18.04 37.57
 90.00 14 15 27 4750.86 16.82 203.73 148.65 66.88 15 34 38 4150.9 13.54 196.58
 100.00 3 0 45 2004.49 -21.91 25.09 149.41 110.86 3 34 10 1404.5 -18.88 17.61
 100.00 15 35 33 4492.45 17.81 184.27 148.20 65.59 16 50 26 3892.4 14.36 177.17
 110.00 4 11 49 1782.04 -24.63 6.96 148.17 114.49 4 41 32 1182.0 -21.11 359.58
 110.00 16 40 58 4287.66 20.45 167.35 146.82 61.99 17 52 26 3687.7 16.55 160.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1681 TRA -.3010 TC3 .4540 BAU .1380 SGT 604.7 SGR 361.3 SG3 571.2 ST 258.4 SR 202.1 SS 907.3
 RDE -.1492 RRA -.0140 RC3 -.3530 FAU .13742 RRT -.2812 RRF .4778 RTF -.4994 CRT .8900 CRS .9674 CST .7654
 FDE 2.1126 FRA -1.4743 FC3 -6.6298 BSP 1582 SGB 704.5 R23 -.2815 R13 .5420 LSA 950.1 MSA 166.9 SSA 19.3
 BDE .2248 BRA .3013 BC3 .5751 FSP -1742 SG1 617.1 SG2 339.8 THA 166.21 EL1 319.5 EL2 74.5 ALF 37.21

LAUNCH DATE DEC 2 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 281.727

RL 147.48 LAL .00 LOL 69.61 VL 27.892 GAL -6.43 AZL 86.31 HCA 128.69 SMA 129.88 ECC .17513 INC 3.6908 V1 30.209
 RP 107.92 LAP 2.88 LOP 198.35 VP 37.916 GAP -2.65 AZP 92.31 TAL 213.33 TAP 342.01 RCA 107.14 APO 152.63 V2 35.114
 RC 72.741 GL 24.99 GP -5.70 ZAL 132.53 ZAP 54.63 ETS 2.75 ZAE 159.45 ETE 320.99 ZAC 61.33 ETC 159.05 CLP -54.42

PLANETOCENTRIC CONIC

C3 17.831 VHL 4.223 DLA 2.97 RAL 289.32 RAD 6567.7 VEL 11.799 PTH 2.09 VHP 3.412 DPA -21.93 RAP 329.17 ECC 1.2934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 32 2279.56 -21.09 45.64 149.49 109.34 2 12 32 1679.6 -18.26 38.11
 90.00 14 16 42 4739.18 16.50 203.01 148.21 66.66 15 35 41 4139.2 13.20 195.89
 100.00 2 57 16 2012.71 -22.11 25.62 149.10 110.65 3 30 49 1412.7 -19.10 18.11
 100.00 15 36 39 4481.26 17.49 183.59 147.75 65.37 16 51 21 3881.3 14.02 176.51
 110.00 4 8 42 1789.15 -24.83 7.42 147.87 114.29 4 38 31 1189.2 -21.34 .01
 110.00 16 41 43 4277.58 20.13 166.74 146.36 61.77 17 53 1 3677.6 16.20 159.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1302 TRA -.3242 TC3 .3391 BAU .1204 SGT 554.3 SGR 363.3 SG3 631.7 ST 220.8 SR 177.3 SS 963.3
 RDE -.1303 RRA -.0210 RC3 -.3743 FAU .15079 RRT -.2319 RRF .5474 RTF -.3320 CRT .8248 CRS .9614 CST .6604
 FDE 2.3530 FRA -1.6522 FC3 -7.3211 BSP 1288 SGB 662.8 R23 -.4276 R13 .4015 LSA 989.6 MSA 168.7 SSA 18.4
 BDE .1842 BRA .3249 BC3 .5050 FSP -1952 SG1 564.8 SG2 346.9 THA 165.97 EL1 271.1 EL2 81.6 ALF 37.49

LAUNCH DATE DEC 2 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 288.215

RL 147.48 LAL .00 LOL 69.61 VL 27.915 GAL -6.40 AZL 86.27 MCA 131.91 SMA 130.05 ECC .17377 INC 3.7294 V1 30.209
 RP 107.96 LAP 2.77 LOP 201.58 VP 37.921 GAP -2.14 AZP 92.49 TAL 213.53 TAP 345.44 RCA 107.45 APO 152.64 V2 35.101
 RC 74.954 GL 25.37 GP -6.26 ZAL 132.49 ZAP 59.76 ETS 2.25 ZAE 161.74 ETE 313.57 ZAC 59.74 ETC 158.08 CLP -59.56

PLANETOCENTRIC CONIC

C3 17.729 VHL 4.211 DLA 3.33 RAL 289.13 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 3.259 DPA -23.08 RAP 327.42 ECC 1.2918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 7 2289.33 -21.31 46.27 149.31 109.10 2 9 16 1689.3 -18.51 38.72
 90.00 14 18 36 4726.74 16.17 202.25 147.87 66.43 15 37 23 4126.7 12.84 195.15
 100.00 2 54 1 2021.95 -22.33 26.21 148.92 110.41 3 27 42 1421.9 -19.35 18.69
 100.00 15 38 23 4469.36 17.15 182.87 147.41 65.14 16 52 52 3869.4 13.66 175.82
 110.00 4 5 49 1797.18 -25.05 7.94 147.70 -114.06 4 35 47 1197.2 -21.59 .50
 110.00 16 43 4 4266.89 19.78 166.11 146.02 61.54 17 54 11 3666.9 15.83 159.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0858 TRA -.3561 TC3 .1987 BAU .1052 SGT 526.4 SGR 368.0 SG3 691.0 ST 186.5 SR 150.3 SS 1020.4
 RDE -.1099 RRA -.0279 RC3 -.3967 FAU .16367 RRT -.1035 RRF .6161 RTF -.0800 CRT .6785 CRS .9529 CST .4515
 FDE 2.6025 FRA -1.8160 FC3 -7.9926 BSP 975 SGB 642.2 R23 -.6007 R13 .1378 LSA 1034.0 MSA 170.5 SSA 17.4
 BDE .1392 BRA .3571 BC3 .4437 FSP -2149 SG1 529.0 SG2 364.2 TMA 172.10 EL1 220.6 EL2 93.3 ALF 36.11

LAUNCH DATE DEC 2 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 294.673

RL 147.48 LAL .00 LOL 69.61 VL 27.931 GAL -6.37 AZL 86.23 MCA 135.12 SMA 130.16 ECC .17261 INC 3.7722 V1 30.209
 RP 108.00 LAP 2.66 LOP 204.80 VP 37.922 GAP -1.65 AZP 92.68 TAL 213.62 TAP 348.75 RCA 107.70 APO 152.63 V2 35.089
 RC 77.191 GL 25.78 GP -6.88 ZAL 132.35 ZAP 65.08 ETS 1.67 ZAE 163.76 ETE 303.35 ZAC 58.00 ETC 156.92 CLP -64.89

PLANETOCENTRIC CONIC

C3 17.637 VHL 4.200 DLA 3.72 RAL 289.04 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 3.133 DPA -24.31 RAP 325.45 ECC 1.2903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 49 2300.34 -21.55 46.99 149.24 108.82 2 6 9 1700.3 -18.79 39.41
 90.00 14 21 10 4713.33 15.80 201.44 147.65 66.19 15 39 43 4113.3 12.45 194.37
 100.00 2 50 54 2032.36 -22.57 26.89 148.86 110.13 3 24 46 1432.4 -19.63 19.33
 100.00 15 40 46 4456.55 16.78 182.09 147.18 64.90 16 55 2 3856.5 13.26 175.07
 110.00 4 3 8 1806.26 -25.30 8.52 147.65 113.79 4 33 15 1206.3 -21.87 1.05
 110.00 16 45 1 4255.41 19.41 165.43 145.78 61.29 17 55 56 3655.4 15.43 158.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0320 TRA -.3940 TC3 .0379 BAU .0996 SGT 541.3 SGR 376.4 SG3 747.7 ST 167.4 SR 122.0 SS 1072.1
 RDE -.0885 RRA -.0348 RC3 -.4206 FAU .17600 RRT -.0965 RRF .6830 RTF .2243 CRT .3704 CRS .9383 CST .0581
 FDE 2.8376 FRA -1.9698 FC3 -8.6387 BSP 835 SGB 659.3 R23 .6423 R13 .2814 LSA 1078.2 MSA 171.4 SSA 16.5
 BDE .0941 BRA .3955 BC3 .4223 FSP -2352 SG1 543.7 SG2 373.0 TMA 7.28 EL1 177.4 EL2 106.9 ALF 24.53

LAUNCH DATE DEC 2 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 301.103

RL 147.48 LAL .00 LOL 69.61 VL 27.941 GAL -6.33 AZL 86.18 MCA 138.34 SMA 130.24 ECC .17163 INC 3.8200 V1 30.209
 RP 108.04 LAP 2.54 LOP 208.01 VP 37.918 GAP -1.18 AZP 92.86 TAL 213.61 TAP 351.95 RCA 107.88 APO 152.59 V2 35.076
 RC 79.446 GL 26.20 GP -7.54 ZAL 132.10 ZAP 70.54 ETS 1.02 ZAE 165.17 ETE 289.90 ZAC 56.17 ETC 155.56 CLP -70.37

PLANETOCENTRIC CONIC

C3 17.556 VHL 4.190 DLA 4.16 RAL 289.04 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 3.034 DPA -25.63 RAP 323.31 ECC 1.2889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 35 2312.82 -21.83 47.80 149.30 108.50 2 3 8 1712.8 -19.10 40.19
 90.00 14 24 26 4698.69 15.39 200.58 147.52 65.94 15 42 45 4098.7 12.02 193.51
 100.00 2 47 52 2044.17 -22.85 27.66 148.92 109.82 3 21 57 1444.2 -19.94 20.07
 100.00 15 43 50 4442.58 16.38 181.25 147.05 64.64 16 57 53 3842.6 12.83 174.26
 110.00 4 0 35 1816.60 -25.58 9.19 147.73 113.48 4 30 52 1216.6 -22.19 1.69
 110.00 16 47 37 4242.91 19.00 164.69 145.64 61.03 17 58 20 3642.9 14.99 157.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0286 TRA -.4394 TC3 -.1458 BAU .1098 SGT 615.9 SGR 387.4 SG3 797.2 ST 184.9 SR 92.3 SS 1122.5
 RDE -.0658 RRA -.0413 RC3 -.4445 FAU .18647 RRT .3189 RRF .7429 RTF .4983 CRT -.0241 CRS .9107 CST -.4040
 FDE 3.0633 FRA -2.0905 FC3 -9.1953 BSP 1042 SGB 727.6 R23 .5242 R13 .5943 LSA 1128.1 MSA 172.5 SSA 15.4
 BDE .0718 BRA .4413 BC3 .4679 FSP -2520 SG1 634.3 SG2 356.5 TMA 16.79 EL1 185.0 EL2 92.2 ALF 179.08

LAUNCH DATE DEC 2 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 307.505

RL 147.48 LAL .00 LOL 69.61 VL 27.947 GAL -6.27 AZL 86.13 MCA 141.55 SMA 130.27 ECC .17081 INC 3.8742 V1 30.209
 RP 108.08 LAP 2.41 LOP 211.23 VP 37.909 GAP -.72 AZP 93.04 TAL 213.49 TAP 355.04 RCA 108.02 APO 152.53 V2 35.063
 RC 81.719 GL 26.67 GP -8.26 ZAL 131.74 ZAP 76.08 ETS .27 ZAE 165.62 ETE 274.03 ZAC 54.32 ETC 154.01 CLP -75.93

PLANETOCENTRIC CONIC

C3 17.485 VHL 4.181 DLA 4.64 RAL 289.14 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 2.961 DPA -27.00 RAP 321.06 ECC 1.2878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 19 2327.08 -22.13 48.74 149.47 108.13 2 0 6 1727.1 -19.45 41.09
 90.00 14 28 29 4682.55 14.94 199.59 147.50 65.67 15 46 31 4082.5 11.53 192.57
 100.00 2 44 50 2057.68 -23.16 28.55 149.10 109.45 3 19 8 1457.7 -20.29 20.92
 100.00 15 47 39 4427.18 15.93 180.33 147.02 64.31 17 1 26 3827.2 12.35 173.37
 110.00 3 58 5 1828.44 -25.90 9.97 147.92 113.13 4 28 33 1228.4 -22.55 2.42
 110.00 16 50 53 4229.18 18.54 163.88 145.60 60.76 18 1 22 3629.2 14.50 157.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0968 TRA -.4903 TC3 -.3470 BAU .1362 SGT 745.7 SGR 401.1 SG3 837.4 ST 242.0 SR 62.2 SS 1167.7
 RDE -.0423 RRA -.0472 RC3 -.4682 FAU .19472 RRT .5003 RRF .7954 RTF .6846 CRT -.2423 CRS .8401 CST -.7027
 FDE 3.2616 FRA -2.1749 FC3 -9.6416 BSP 1545 SGB 846.8 R23 .4205 R13 .7520 LSA 1181.4 MSA 173.2 SSA 14.3
 BDE .1056 BRA .4925 BC3 .5828 FSP -2656 SG1 778.7 SG2 332.6 TMA 18.57 EL1 242.5 EL2 60.3 ALF 176.20

LAUNCH DATE DEC 2 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 313.878

RL 147.48 LAL .00 LOL 69.61 VL 27.947 GAL -6.21 AZL 86.06 HCA 144.76 SMA 130.28 ECC .17013 INC 3.9366 VI 30.209
 RP 108.12 LAP 2.27 LOP 214.44 VP 37.897 GAP -.29 AZP 93.22 TAL 213.27 TAP 358.04 RCA 108.11 APO 152.44 V2 35.050
 RC 84.008 GL 27.19 GP -9.05 ZAL 131.28 ZAP 81.62 ETS 359.43 ZAE 164.89 ETE 258.14 ZAC 52.53 ETC 152.26 CLP -81.51

PLANETOCENTRIC CONIC

C3 17.427 VHL 4.175 DLA 5.19 RAL 289.32 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 2.913 DPA -28.41 RAP 318.77 ECC 1.2868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 53 2343.53 -22.47 49.82 149.77 107.69 1 56 57 1743.5 -19.84 42.13
 90.00 14 33 21 4664.57 14.44 198.51 147.57 65.37 15 51 6 4064.6 11.00 191.52
 100.00 2 41 41 2073.27 -23.51 29.57 149.40 109.02 3 16 14 1473.3 -20.69 21.90
 100.00 15 52 15 4410.06 15.42 179.31 147.08 64.07 17 5 45 3810.1 11.81 172.39
 110.00 3 55 32 1842.14 -26.27 10.86 148.24 112.71 4 26 14 1242.1 -22.96 3.27
 110.00 16 54 53 4213.96 18.03 163.00 145.65 60.46 18 5 7 3614.0 13.96 156.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1722 TRA -.5449 TC3 -.5605 BAU .1738 SGT 915.9 SGR 418.2 SG3 867.3 ST 326.9 SR 35.5 SS 1203.6
 RDE -.0183 RRA -.0529 RC3 -.4923 FAU .20080 RRT .6295 RRF .8407 RTF .7954 CRT -.0731 CRS .5570 CST -.8438
 FDE 3.4137 FRA -2.2301 FC3 -9.9754 BSP 2188 SGB 1006.9 R23 .3518 R13 .8369 LSA 1235.5 MSA 173.0 SSA 13.3
 BDE .1732 BRA .5475 BC3 .7460 FSP -2776 SG1 957.7 SG2 310.8 THA 17.99 EL1 326.9 EL2 35.4 ALF 179.54

LAUNCH DATE DEC 2 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 320.225

RL 147.48 LAL .00 LOL 69.61 VL 27.942 GAL -6.14 AZL 85.99 HCA 147.97 SMA 130.25 ECC .16957 INC 4.0097 VI 30.209
 RP 108.16 LAP 2.13 LOP 217.64 VP 37.882 GAP .14 AZP 93.40 TAL 212.96 TAP .94 RCA 108.16 APO 152.33 V2 35.036
 RC 86.309 GL 27.77 GP -9.93 ZAL 130.70 ZAP 87.07 ETS 358.48 ZAE 163.10 ETE 244.69 ZAC 50.89 ETC 150.33 CLP -87.03

PLANETOCENTRIC CONIC

C3 17.387 VHL 4.170 DLA 5.82 RAL 289.58 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 2.890 DPA -29.87 RAP 316.52 ECC 1.2861
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 10 2362.74 -22.87 51.09 150.19 107.17 1 53 33 1762.7 -20.30 43.36
 90.00 14 39 10 4644.30 13.86 197.30 147.73 65.06 15 56 34 4044.3 10.38 190.35
 100.00 2 38 16 2091.49 -23.91 30.78 149.82 108.50 3 13 8 1491.5 -21.16 23.06
 100.00 15 57 45 4390.78 14.84 178.17 147.24 63.75 17 10 56 3790.8 11.20 171.28
 110.00 3 52 49 1858.17 -26.68 11.92 148.68 112.20 4 23 48 1258.2 -23.43 4.27
 110.00 16 59 41 4196.86 17.46 162.01 145.79 60.13 18 9 38 3596.9 13.35 155.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2537 TRA -.6028 TC3 -.7829 BAU .2178 SGT 1114.0 SGR 436.7 SG3 882.9 ST 429.3 SR 28.8 SS 1236.5
 RDE .0070 RRA -.0576 RC3 -.5148 FAU .20337 RRT .7191 RRF .8777 RTF .8586 CRT .7731 CRS -.5038 CST -.9077
 FDE 3.5355 FRA -2.2320 FC -10.1260 BSP 2903 SGB 1196.5 R23 .3085 R13 .8845 LSA 1297.7 MSA 173.0 SSA 12.1
 BDE .2538 BRA .6055 BC3 .9370 FSP -2831 SG1 1160.5 SG2 291.3 THA 16.84 EL1 429.9 EL2 18.2 ALF 2.97

LAUNCH DATE DEC 2 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 326.544

RL 147.48 LAL .00 LOL 69.61 VL 27.934 GAL -6.06 AZL 85.90 HCA 151.18 SMA 130.19 ECC .16911 INC 4.0972 VI 30.209
 RP 108.20 LAP 1.97 LOP 220.85 VP 37.864 GAP .54 AZP 93.59 TAL 212.57 TAP 3.74 RCA 108.17 APO 152.20 V2 35.023
 RC 88.623 GL 28.43 GP -10.93 ZAL 130.00 ZAP 92.38 ETS 357.39 ZAE 160.55 ETE 234.56 ZAC 49.48 ETC 148.23 CLP -92.42

PLANETOCENTRIC CONIC

C3 17.374 VHL 4.168 DLA 6.54 RAL 289.92 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 2.891 DPA -31.38 RAP 314.40 ECC 1.2859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 9 58 2385.50 -23.32 52.61 150.75 106.54 1 49 44 1785.5 -20.83 44.82
 90.00 14 46 3 4621.19 13.19 195.93 147.99 64.71 16 3 4 4021.2 9.68 189.02
 100.00 2 34 26 2113.09 -24.36 32.22 150.39 107.88 3 9 39 1513.1 -21.69 24.44
 100.00 16 4 17 4368.83 14.18 176.88 147.50 63.41 17 17 6 3768.8 10.50 170.03
 110.00 3 49 48 1877.21 -27.17 13.19 149.28 111.59 4 21 5 1277.2 -23.99 5.47
 110.00 17 5 24 4177.47 16.80 160.89 146.03 59.78 18 15 1 3577.5 12.66 154.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3408 TRA -.6621 TC3 -1.0077 BAU .2653 SGT 1328.3 SGR 459.2 SG3 886.4 ST 543.8 SR 54.0 SS 1259.7
 RDE .0330 RRA -.0624 RC3 -.5382 FAU .20341 RRT .7826 RRF .9085 RTF .8963 CRT .9789 CRS -.9257 CST -.9402
 FDE 3.6036 FRA -2.2049 FC -10.1359 BSP 3662 SGB 1405.5 R23 .2816 R13 .9136 LSA 1362.2 MSA 172.0 SSA 11.0
 BDE .3424 BRA .6651 BC3 1.1424 FSP -2867 SG1 1378.2 SG2 275.5 THA 15.78 EL1 546.3 EL2 11.0 ALF 5.55

LAUNCH DATE DEC 2 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 332.838

RL 147.48 LAL .00 LOL 69.61 VL 27.922 GAL -5.97 AZL 85.80 HCA 154.38 SMA 130.10 ECC .16875 INC 4.2043 VI 30.209
 RP 108.24 LAP 1.82 LOP 224.05 VP 37.842 GAP .93 AZP 93.79 TAL 212.08 TAP 6.46 RCA 108.14 APO 152.05 V2 35.010
 RC 90.946 GL 29.21 GP -12.10 ZAL 129.18 ZAP 97.46 ETS 356.14 ZAE 157.53 ETE 227.39 ZAC 48.39 ETC 145.98 CLP -97.63

PLANETOCENTRIC CONIC

C3 17.400 VHL 4.171 DLA 7.40 RAL 290.32 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 2.913 DPA -32.99 RAP 312.49 ECC 1.2864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 0 2412.99 -23.84 54.45 151.46 105.76 1 45 13 1813.0 -21.45 46.60
 90.00 14 54 15 4594.39 12.41 194.36 148.36 64.34 16 10 50 3994.4 8.85 187.48
 100.00 2 29 54 2139.19 -24.90 33.97 151.12 107.10 3 5 33 1539.2 -22.32 26.12
 100.00 16 12 3 4343.43 13.40 175.40 147.86 63.03 17 24 26 3743.4 9.68 168.59
 110.00 3 46 15 1900.25 -27.73 14.75 150.03 110.83 4 17 55 1300.2 -24.65 6.94
 110.00 17 12 11 4155.13 16.03 159.62 146.36 59.40 18 21 27 3555.1 11.85 153.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4341 TRA -.7220 TC3 -1.2285 BAU .3142 SGT 1551.1 SGR 484.7 SG3 875.4 ST 668.1 SR 90.4 SS 1281.6
 RDE .0618 RRA -.0666 RC3 -.5612 FAU .19993 RRT .8284 RRF .9332 RTF .9189 CRT .9827 CRS -.9846 CST -.9580
 FDE 3.6459 FRA -2.1297 FC3 -9.9476 BSP 4436 SGB 1625.1 R23 .2667 R13 .9314 LSA 1438.0 MSA 171.3 SSA 9.7
 BDE .4384 BRA .7250 BC3 1.3506 FSP -2838 SG1 1603.7 SG2 262.6 THA 14.92 EL1 674.0 EL2 16.6 ALF 7.58

LAUNCH DATE DEC 2 1965

FLIGHT TIME 118.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 339.106

RL 147.48 LAL .00 LOL 69.61 VL 27.907 GAL -5.87 AZL 85.66 HCA 157.58 SMA 129.99 ECC .16848 INC 4.3396 V1 30.209
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.819 GAP 1.31 AZP 94.01 TAL 211.52 TAP 9.10 RCA 108.09 APO 151.89 V2 34.996
 RC 93.279 GL 30.15 GP -13.52 ZAL 128.20 ZAP 102.25 ETS 354.66 ZAE 154.24 ETE 222.54 ZAC 47.71 ETC 143.56 CLP-102.60

PLANETOCENTRIC CONIC

C3 17.488 VML 4.182 DLA 8.42 RAL 290.79 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 2.958 DPA -34.79 RAP 310.87 ECC 1.2878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 51 2447.03 -24.45 56.76 152.37 104.75 1 39 38 1847.0 -22.18 48.82
 90.00 15 4 7 4562.69 11.46 192.50 148.85 63.93 16 20 10 3962.7 7.87 185.67
 100.00 2 24 16 2171.51 -25.53 36.17 152.04 106.11 3 0 28 1571.5 -23.07 28.23
 100.00 16 21 23 4313.45 12.47 173.66 148.33 62.61 17 33 16 3713.4 8.70 166.90
 110.00 3 41 49 1928.81 -28.41 16.69 150.99 109.86 4 13 58 1328.8 -25.44 8.78
 110.00 17 20 19 4128.91 15.11 158.14 146.81 58.97 18 29 8 3528.9 10.89 151.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5343 TRA -1.7817 TC3-1.4385 BAU .3633 SGT 1776.4 SGR 517.6 SG3 853.0 ST 801.6 SR 133.0 SS 1298.0
 RDE .0940 RRA -.0716 RC3 -.5876 FAU .19401 RRT .8624 RRF .9532 RTF .9336 CRT .9799 CRS -.9962 CST -.9689
 FDE 3.6508 FRA-2.0320 FC3-9.6046 BSP 5222 SGB 1850.2 R23 .2591 R13 .9434 LSA 1521.9 MSA 169.9 SSA 8.5
 BDE .5425 BRA .7850 BC3 1.5538 FSP -2786 SGI 1832.7 SG2 254.0 THA 14.39 EL1 812.2 EL2 26.2 ALF 9.24

LAUNCH DATE DEC 2 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 345.349

RL 147.48 LAL .00 LOL 69.61 VL 27.888 GAL -5.77 AZL 85.48 HCA 160.78 SMA 129.86 ECC .16830 INC 4.5173 V1 30.209
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.793 GAP 1.67 AZP 94.27 TAL 210.88 TAP 11.66 RCA 108.00 APO 151.71 V2 34.983
 RC 95.621 GL 31.32 GP -15.34 ZAL 127.03 ZAP 106.68 ETS 352.84 ZAE 150.74 ETE 219.50 ZAC 47.57 ETC 140.97 CLP-107.32

PLANETOCENTRIC CONIC

C3 17.676 VML 4.204 DLA 9.69 RAL 291.30 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 3.026 DPA -36.89 RAP 309.62 ECC 1.2909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 49 2490.59 -25.17 59.75 153.52 103.42 1 32 19 1890.6 -23.07 51.71
 90.00 15 16 14 4524.09 10.30 190.27 149.49 63.48 16 31 38 3924.1 6.66 183.48
 100.00 2 16 56 2212.86 -26.28 39.01 153.22 104.79 2 53 48 1612.9 -23.99 30.96
 100.00 16 32 49 4277.05 11.32 171.57 148.95 62.15 17 44 6 3677.1 7.50 164.86
 110.00 3 36 1 1965.37 -29.23 19.22 152.22 108.57 4 8 46 1365.4 -26.42 11.17
 110.00 17 30 13 4097.31 14.00 156.37 147.39 58.49 18 38 30 3497.3 9.72 149.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6453 TRA -1.8408 TC3-1.6282 BAU .4115 SGT 1999.7 SGR 560.3 SG3 818.2 ST 946.9 SR 184.9 SS 1315.8
 RDE .1331 RRA -.0773 RC3 -.6175 FAU .18509 RRT .8877 RRF .9687 RTF .9430 CRT .9788 CRS -.9991 CST -.9759
 FDE 3.6438 FRA-1.9009 FC3-9.0655 BSP 5995 SGB 2076.8 R23 .2567 R13 .9514 LSA 1622.9 MSA 168.9 SSA 7.1
 BDE .6589 BRA .8443 BC3 1.7414 FSP -2678 SGI 2061.6 SG2 250.2 THA 14.18 EL1 964.1 EL2 37.2 ALF 10.83

LAUNCH DATE DEC 2 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 351.569

RL 147.48 LAL .00 LOL 69.61 VL 27.867 GAL -5.65 AZL 85.24 HCA 163.97 SMA 129.71 ECC .16818 INC 4.7624 V1 30.209
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.765 GAP 2.02 AZP 94.58 TAL 210.17 TAP 14.15 RCA 107.89 APO 151.52 V2 34.970
 RC 97.969 GL 32.83 GP -17.79 ZAL 125.62 ZAP 110.67 ETS 350.51 ZAE 146.98 ETE 217.99 ZAC 48.13 ETC 138.10 CLP-111.76

PLANETOCENTRIC CONIC

C3 18.037 VML 4.247 DLA 11.32 RAL 291.84 RAD 6567.7 VEL 11.808 PTH 2.09 VHP 3.121 DPA -39.55 RAP 308.83 ECC 1.2968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 43 2548.94 -26.03 63.81 155.04 101.57 1 22 11 1948.9 -24.17 55.63
 90.00 15 31 39 4475.17 8.80 187.46 150.34 62.98 16 46 15 3875.2 5.11 180.72
 100.00 2 6 45 2268.21 -27.18 42.88 154.76 102.94 2 44 33 1668.2 -25.13 34.68
 100.00 16 47 18 4231.13 9.84 168.96 149.78 61.63 17 57 49 3631.1 5.98 162.30
 110.00 3 27 54 2014.28 -30.24 22.67 153.84 106.76 4 1 28 1414.3 -27.65 14.44
 110.00 17 42 38 4057.83 12.58 154.19 148.16 57.95 18 50 16 3457.8 8.26 147.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7732 TRA -.9011 TC3-1.7866 BAU .4589 SGT 2219.8 SGR 620.9 SG3 772.4 ST 1108.3 SR 250.3 SS 1332.7
 RDE .1832 RRA -.0858 RC3 -.6560 FAU .17381 RRT .9067 RRF .9803 RTF .9497 CRT .9797 CRS -.9997 CST -.9811
 FDE 3.6201 FRA-1.7592 FC3-8.3423 BSP 6769 SGB 2305.0 R23 .2554 R13 .9574 LSA 1743.3 MSA 167.0 SSA 5.8
 BDE .7946 BRA .9051 BC3 1.9032 FSP -2545 SGI 2291.0 SG2 253.7 THA 14.41 EL1 1135.2 EL2 48.9 ALF 12.50

LAUNCH DATE DEC 2 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 357.765

RL 147.48 LAL .00 LOL 69.61 VL 27.843 GAL -5.52 AZL 84.87 HCA 167.17 SMA 129.54 ECC .16814 INC 5.1254 V1 30.209
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.736 GAP 2.36 AZP 95.00 TAL 209.40 TAP 16.56 RCA 107.76 APO 151.32 V2 34.957
 RC 100.323 GL 34.90 GP -21.32 ZAL 123.85 ZAP 114.06 ETS 347.32 ZAE 142.72 ETE 217.93 ZAC 49.74 ETC 134.80 CLP-115.95

PLANETOCENTRIC CONIC

C3 18.729 VML 4.328 DLA 13.52 RAL 292.38 RAD 6567.8 VEL 11.837 PTH 2.10 VHP 3.257 DPA -43.20 RAP 308.67 ECC 1.3082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 23 8 2632.45 -27.03 69.71 157.14 98.77 1 7 0 2032.4 -25.54 61.36
 90.00 15 52 32 4409.28 6.74 183.71 151.55 62.43 17 6 1 3809.3 3.00 177.03
 100.00 1 51 33 2347.27 -28.26 48.50 156.91 100.17 2 30 41 1747.3 -26.57 40.11
 100.00 17 6 47 4169.69 7.84 165.50 150.95 61.06 18 16 17 3569.7 3.92 158.91
 110.00 3 15 43 2083.92 -31.50 27.71 156.11 104.02 3 50 27 1483.9 -29.25 19.22
 110.00 17 59 7 4005.80 10.68 151.35 149.23 57.33 19 5 53 3405.8 6.30 145.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9329 TRA -.9652 TC3-1.8915 BAU .5053 SGT 2435.8 SGR 708.8 SG3 711.8 ST 1297.5 SR 340.7 SS 1354.1
 RDE .2552 RRA -.0982 RC3 -.7032 FAU .15899 RRT .9206 RRF .9883 RTF .9544 CRT .9818 CRS -.9997 CST -.9851
 FDE 3.5982 FRA-1.5960 FC3-7.3491 BSP 7540 SGB 2536.8 R23 .2532 R13 .9621 LSA 1898.9 MSA 165.2 SSA 4.5
 BDE .9672 BRA .9702 BC3 2.0180 FSP -2354 SGI 2522.7 SG2 267.3 THA 15.17 EL1 1340.0 EL2 62.7 ALF 14.49

LAUNCH DATE DEC 2 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 363.938

RL 147.48 LAL .00 LOL 69.61 VL 27.817 GAL -5.39 AZL 84.28 HCA 170.35 SMA 129.36 ECC .16817 INC 5.7237 V1 30.209
 RP 108.44 LAP .96 LOP 240.01 VP 37.705 GAP 2.69 AZP 95.64 TAL 208.56 TAP 18.91 RCA 107.60 APO 151.11 V2 34.945
 RC 102.682 GL 37.97 GP -26.84 ZAL 121.46 ZAP 116.44 ETS 342.62 ZAE 137.31 ETE 219.39 ZAC 53.09 ETC 130.77 CLP -119.93

PLANETOCENTRIC CONIC

C3 20.153 VML 4.489 DLA 16.73 RAL 292.85 RAD 6567.8 VEL 11.897 PTH 2.11 VHP 3.474 DPA -48.73 RAP 309.53 ECC 1.3317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 51 29 2765.13 -28.05 79.28 160.32 94.08 24 37 34 2165.1 -27.19 70.72
 90.00 16 24 2 4311.30 3.62 178.19 153.52 61.90 17 35 53 3711.3 -1.16 171.56
 100.00 1 26 16 2472.18 -29.42 57.60 160.19 95.52 2 7 28 1872.2 -28.35 48.96
 100.00 17 35 52 4079.48 4.84 160.48 152.85 60.47 18 43 52 3479.5 .87 153.95
 110.00 2 55 29 2193.01 -33.01 35.85 159.64 99.42 3 32 2 1593.0 -31.36 27.02
 110.00 18 23 8 3931.41 7.92 147.36 150.95 56.64 19 28 40 3331.4 3.48 141.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1547 TRA-1.0458 TC3-1.9084 BAU .5533 SGT 2655.2 SGR 844.2 SG3 629.5 ST 1532.8 SR 475.0 SS 1372.0
 RDE .3699 RRA -.1203 RC3 -.7587 FAU .13944 RRT .9308 RRF .9931 RTF .9586 CRT .9847 CRS -.9997 CST -.9886
 FDE 3.5515 FRA-1.4264 FC3-5.9901 BSP 8423 SGB 2786.2 R23 .2452 R13 .9669 LSA 2105.1 MSA 162.2 SSA 3.3
 BDE 1.2126 BRA 1.0527 BC3 2.0536 FSP -2112 SG1 2770.5 SG2 .295.7 THA 16.68 EL1 1602.8 EL2 79.1 ALF 17.01

LAUNCH DATE DEC 2 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 370.087

RL 147.48 LAL .00 LOL 69.61 VL 27.789 GAL -5.24 AZL 83.10 HCA 173.54 SMA 129.16 ECC .16827 INC 6.9030 V1 30.209
 RP 108.48 LAP .77 LOP 243.20 VP 37.672 GAP 3.01 AZP 96.86 TAL 207.66 TAP 21.20 RCA 107.43 APO 150.89 V2 34.932
 RC 105.043 GL 43.09 GP -36.50 ZAL 117.80 ZAP 116.64 ETS 335.02 ZAE 129.04 ETE 222.40 ZAC 59.95 ETC 125.42 CLP -123.91

PLANETOCENTRIC CONIC

C3 23.708 VML 4.869 DLA 22.02 RAL 293.14 RAD 6568.0 VEL 12.045 PTH 2.15 VHP 3.922 DPA -58.22 RAP 312.80 ECC 1.3902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 53 54 3022.49 -27.86 98.06 165.74 84.70 23 44 16 2422.5 -28.30 89.43
 90.00 17 23 53 4132.43 -2.14 168.21 157.79 61.76 18 32 45 3532.4 -5.90 161.55
 100.00 0 34 50 2709.69 -29.68 75.22 165.90 86.28 1 20 0 2109.7 -29.88 66.42
 100.00 18 29 33 3920.47 -.54 151.74 156.90 60.11 19 34 54 3320.5 -4.51 145.21
 110.00 2 15 39 2394.30 -34.18 51.42 166.06 90.30 2 55 33 1794.3 -33.76 42.20
 110.00 19 5 14 3808.63 3.28 140.88 154.52 55.96 20 8 43 3208.6 -1.21 134.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5525 TRA-1.1816 TC3-1.7204 BAU .5979 SGT 2884.1 SGR 1043.7 SG3 498.6 ST 1880.3 SR 697.2 SS 1375.9
 RDE .5901 RRA -.1553 RC3 -.7741 FAU .10801 RRT .9376 RRF .9952 RTF .9631 CRT .9884 CRS -.9996 CST -.9921
 FDE 3.4278 FRA-1.1885 FC3-3.9442 BSP 9272 SGB 3067.2 R23 .2278 R13 .9726 LSA 2426.9 MSA 157.3 SSA 2.3
 BDE 1.6608 BRA 1.1720 BC3 1.8865 FSP -1674 SG1 3047.9 SG2 343.5 THA 18.99 EL1 2002.9 EL2 99.5 ALF 20.18

LAUNCH DATE DEC 2 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 376.207

RL 147.48 LAL .00 LOL 69.61 VL 27.759 GAL -5.09 AZL 79.65 HCA 176.71 SMA 128.95 ECC .16841 INC10.3524 V1 30.209
 RP 108.52 LAP .59 LOP 246.38 VP 37.639 GAP 3.32 AZP 100.34 TAL 206.70 TAP 23.41 RCA 107.23 APO 150.67 V2 34.920
 RC 107.406 GL 53.15 GP -56.03 ZAL 110.69 ZAP 110.85 ETS 320.69 ZAE 112.69 ETE 223.94 ZAC 75.02 ETC 116.63 CLP -129.56

PLANETOCENTRIC CONIC

C3 38.553 VML 6.209 DLA 32.36 RAL 293.08 RAD 6568.5 VEL 12.646 PTH 2.30 VHP 5.517 DPA -76.65 RAP 331.85 ECC 1.6345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.64 18 2 4 4104.29 -17.43 174.36 173.39 62.29 19 10 28 3504.3 -21.00 167.19
 106.36 22 15 16 3293.86 -17.42 114.26 173.39 62.29 23 10 10 2693.9 -20.99 107.10
 73.64 18 2 4 4104.29 -17.43 174.36 173.39 62.29 19 10 28 3504.3 -21.00 167.19
 106.36 22 15 16 3293.86 -17.42 114.26 173.39 62.29 23 10 10 2693.9 -20.99 107.10
 110.00 0 6 19 2963.14 -26.17 93.23 177.83 67.18 0 55 42 2363.1 -29.02 85.21
 110.00 21 14 7 3483.00 -9.09 123.79 168.37 56.90 22 12 10 2883.0 -13.58 117.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6623 TRA-1.4624 TC3-1.0817 BAU .6195 SGT 3223.7 SGR 1179.4 SG3 270.2 ST 2503.3 SR 965.7 SS 1241.6
 RDE 1.0444 RRA -.1809 RC3 -.5238 FAU .05415 RRT .9356 RRF .9908 RTF .9733 CRT .9914 CRS -.9991 CST -.9960
 FDE 2.8076 FRA -.8142 FC3-1.2160 BSP 10609 SGB 3432.6 R23 .1877 R13 .9816 LSA 2953.0 MSA 143.9 SSA 1.5
 BDE 2.8598 BRA 1.4736 BC3 1.2019 FSP -931 SG1 3410.0 SG2 393.6 THA 19.16 EL1 2680.5 EL2 118.1 ALF 20.97

LAUNCH DATE DEC 2 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 381.999

RL 147.48 LAL .00 LOL 69.61 VL 27.727 GAL -4.86 AZL 7.27 HCA 179.59 SMA 128.73 ECC .16809 INC82.6053 V1 30.209
 RP 108.56 LAP .40 LOP 249.56 VP 37.605 GAP 3.53 AZP 172.73 TAL 205.43 TAP 25.02 RCA 107.09 APO 150.37 V2 34.909
 RC 109.770 GL 45.71 GP -52.82 ZAL 93.12 ZAP 92.61 ETS 183.67 ZAE 49.47 ETE 100.14 ZAC 108.24 ETC 359.87 CLP 94.32

PLANETOCENTRIC CONIC

C31465.720 VML 38.285 DLA 32.68 RAL 318.83 RAD 6573.2 VEL 39.837 PTH 3.56 VHP 46.293 DPA -38.74 RAP 143.29 ECC25.1220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.96 19 40 22 4638.56 .76 204.12 230.03 57.33 20 57 40 4038.6 -3.56 197.80
 107.04 0 6 20 3800.73 .78 141.92 230.02 57.33 1 9 40 3200.7 -3.54 135.60
 72.96 19 40 22 4638.56 .76 204.12 230.03 57.33 20 57 40 4038.6 -3.56 197.80
 107.04 0 6 20 3800.73 .78 141.92 230.02 57.33 1 9 40 3200.7 -3.54 135.60
 110.00 1 41 22 3507.94 -8.16 125.12 235.82 56.69 2 39 50 2907.9 -12.48 118.69
 110.00 23 4 29 3979.34 9.71 149.92 224.25 57.06 24 10 49 3379.3 5.30 143.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-4.7550 TRA 2.3184 TC3 -.0984 BAU 4.8091 SGT 1115.4 SGR 3068.9 SG3 55.9 ST 722.6 SR 2523.7 SS 2127.2
 RD-16.8485 RRA-1.7490 RC3 -.2248 FAU-.07987 RRT .8657 RRF -.9997 RTF -.8538 CRT .9782 CRS 1.0000 CST .9763
 FDE 3.5492 FRA .4577 FC3 .0472 BSP 15527 SGB 3265.3 R23 -.0767 R13 -.9970 LSA 3375.5 MSA 150.1 SSA .8
 BDE17.5066 BRA 2.9041 BC3 .2454 FSP 249 SG1 3221.7 SG2 531.8 THA 72.03 EL1 2621.2 EL2 144.5 ALF 74.30

LAUNCH DATE DEC 2 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 388.464

RL 147.48 LAL .00 LOL 69.61 VL 27.694 GAL -4.77 AZL 93.95 HCA 183.13 SMA 128.50 ECC .16905 INC 3.9515 V1 30.209
 RP 108.59 LAP .22 LOP 252.73 VP 37.570 GAP 3.93 AZP 86.05 TAL 204.69 TAP 27.82 RCA 106.78 APO 150.23 V2 34.897
 RC 112.133 GL -29.53 GP 55.51 ZAL 121.76 ZAP 114.09 ETS 36.28 ZAE 118.21 ETE 134.68 ZAC 47.77 ETC 222.98 CLP-136.14

PLANETOCENTRIC CONIC

C3 14.915 VHL 3.862 DLA -48.12 RAL 314.27 RAD 6567.6 VEL 11.675 PTH 2.05 VMP 5.807 DPA 31.94 RAP 290.72 ECC 1.2455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.32 5 31 19 1565.41 34.60 25.81 186.04 125.80 5 57 24 965.4 39.00 17.88
 130.68 13 38 58 5371.85 34.61 247.68 186.05 125.79 15 8 29 4771.9 39.01 239.74
 49.32 5 31 19 1565.41 34.60 25.81 186.04 125.80 5 57 24 965.4 39.00 17.88
 130.68 13 38 58 5371.85 34.61 247.68 186.05 125.79 15 8 29 4771.9 39.01 239.74
 49.32 5 31 19 1565.41 34.60 25.81 186.04 125.80 5 57 24 965.4 39.00 17.88
 130.68 13 38 58 5371.85 34.61 247.68 186.05 125.79 15 8 29 4771.9 39.01 239.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.3081 TRA -.2235 TC3-3.2604 BAU .7383 SGT 3218.0 SGR 1624.5 SG3 261.2 ST 1947.9 SR 863.1 SS 803.4
 RDE .5788 RRA -.1150 RC3 1.7544 FAU .05673 RRT -.9473 RRF -.9991 RTF .9589 CRT -.9863 CRS .9997 CST -.9898
 FDE -1.0758 FRA .1579 FC3-3.2929 BSP 11042 SGB 3604.8 R23 .2215 R13 -.9750 LSA 2271.6 MSA 156.7 SSA 1.1
 BDE 1.4305 BRA .2514 BC3 3.7025 FSP -842 SG1 3574.2 SG2 468.4 THA 153.96 EL1 2126.5 EL2 130.4 ALF 156.30

LAUNCH DATE DEC 2 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 394.525

RL 147.48 LAL .00 LOL 69.61 VL 27.660 GAL -4.59 AZL 90.25 HCA 186.30 SMA 128.26 ECC .16941 INC .2502 V1 30.209
 RP 108.63 LAP .03 LOP 255.91 VP 37.534 GAP 4.21 AZP 89.75 TAL 203.58 TAP 29.88 RCA 106.54 APO 149.99 V2 34.886
 RC 114.493 GL -2.13 GP 33.78 ZAL 126.34 ZAP 126.72 ETS 27.05 ZAE 131.56 ETE 147.28 ZAC 36.82 ETC 200.71 CLP-136.00

PLANETOCENTRIC CONIC

C3 10.745 VHL 3.278 DLA -21.50 RAL 306.07 RAD 6567.4 VEL 11.495 PTH 2.00 VMP 4.281 DPA 10.86 RAP 296.97 ECC 1.1768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 51 1333.14 7.09 350.53 159.70 117.49 6 33 4 733.1 10.72 343.73
 90.00 11 54 0 5463.86 28.25 252.23 164.67 87.91 13 25 4 4863.9 27.66 243.61
 100.00 7 17 21 1118.53 5.87 334.09 159.04 119.36 7 35 59 518.5 9.74 327.44
 100.00 13 30 11 5153.70 29.64 229.32 164.59 85.92 14 56 5 4553.7 28.76 220.63
 110.00 7 54 27 1002.25 2.92 323.46 157.21 124.07 8 11 9 402.2 7.38 317.20
 110.00 15 9 35 4842.75 33.07 205.24 164.12 80.83 16 30 17 4242.8 31.45 196.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2296 TRA -.5788 TC3-4.8692 BAU .7437 SGT 3396.1 SGR 1156.8 SG3 448.2 ST 526.0 SR 96.0 SS 91.4
 RDE .0511 RRA .0101 RC3 1.7591 FAU .09809 RRT -.9514 RRF -.9991 RTF .9527 CRT -.8129 CRS .9404 CST -.8061
 FDE -.1067 FRA -.0818 FC3-7.9036 BSP 11205 SGB 3587.7 R23 .2713 R13 -.9616 LSA 537.1 MSA 72.8 SSA 22.8
 BDE .2355 BRA .5788 BC3 5.1772 FSP -1473 SG1 3571.7 SG2 338.7 THA 161.87 EL1 531.8 EL2 55.3 ALF 171.47

LAUNCH DATE DEC 2 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 400.576

RL 147.48 LAL .00 LOL 69.61 VL 27.624 GAL -4.40 AZL 89.03 HCA 189.47 SMA 128.02 ECC .16986 INC .9732 V1 30.209
 RP 108.66 LAP -.16 LOP 259.08 VP 37.498 GAP 4.49 AZP 90.96 TAL 202.44 TAP 31.91 RCA 106.28 APO 149.77 V2 34.875
 RC 116.852 GL 8.21 GP 23.20 ZAL 124.30 ZAP 133.06 ETS 21.04 ZAE 135.24 ETE 157.24 ZAC 34.89 ETC 185.89 CLP-137.98

PLANETOCENTRIC CONIC

C3 10.763 VHL 3.281 DLA -11.07 RAL 305.25 RAD 6567.4 VEL 11.496 PTH 2.00 VMP 4.022 DPA .60 RAP 299.76 ECC 1.1771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 2 1726.26 -5.51 12.55 156.84 117.82 4 53 49 1126.3 -1.74 5.90
 90.00 13 33 17 5071.44 24.10 224.38 160.08 74.67 14 57 49 4471.4 21.76 216.49
 100.00 5 40 50 1481.75 -6.38 354.10 156.36 119.26 6 5 31 881.7 -2.44 347.53
 100.00 15 0 11 4791.19 25.06 203.47 159.78 73.14 16 20 2 4191.2 22.51 195.60
 110.00 6 36 29 1307.43 -8.67 339.47 154.96 123.20 6 58 17 707.4 -4.24 333.18
 110.00 16 21 1 4538.27 27.59 183.29 158.81 68.97 17 36 39 3938.3 24.48 175.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1588 TRA -.6741 TC3-5.0619 BAU .7511 SGT 3542.2 SGR 838.4 SG3 502.5 ST 465.1 SR 66.8 SS 326.8
 RDE -.0351 RRA .0177 RC3 1.2734 FAU .10870 RRT -.9529 RRF -.9963 RTF .9516 CRT -.7360 CRS .9775 CST -.6840
 FDE .5277 FRA -.1377 FC3-8.7430 BSP 11335 SGB 3640.1 R23 .2803 R13 -.9561 LSA 531.5 MSA 212.1 SSA 12.5
 BDE .1626 BRA .6743 BC3 5.2196 FSP -1642 SG1 3631.6 SG2 247.9 THA 167.23 EL1 467.7 EL2 45.0 ALF 173.91

LAUNCH DATE DEC 2 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 406.611

RL 147.48 LAL .00 LOL 69.61 VL 27.587 GAL -4.20 AZL 88.41 HCA 192.65 SMA 127.77 ECC .17039 INC 1.5887 V1 30.209
 RP 108.69 LAP -.35 LOP 262.25 VP 37.462 GAP 4.76 AZP 91.55 TAL 201.25 TAP 33.90 RCA 106.00 APO 149.54 V2 34.865
 RC 119.206 GL 13.32 GP 17.31 ZAL 121.91 ZAP 137.10 ETS 17.14 ZAE 135.95 ETE 163.59 ZAC 35.45 ETC 177.20 CLP-140.11

PLANETOCENTRIC CONIC

C3 10.967 VHL 3.312 DLA -5.68 RAL 305.76 RAD 6567.4 VEL 11.505 PTH 2.00 VMP 3.999 DPA -5.04 RAP 301.74 ECC 1.1805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 39 1903.70 -11.02 22.68 157.58 116.25 4 16 23 1303.7 -7.40 15.87
 90.00 14 17 47 4901.67 20.59 213.18 159.33 70.12 15 39 29 4301.7 17.70 205.70
 100.00 5 3 19 1649.97 -11.85 3.59 157.15 117.64 5 30 49 1050.0 -8.06 356.85
 100.00 15 41 49 4630.64 21.47 192.89 158.97 68.69 16 59 0 4030.6 18.38 185.46
 110.00 6 5 24 1455.58 -14.08 347.54 155.86 121.48 6 29 40 855.6 -9.81 341.04
 110.00 16 56 13 4397.79 23.82 174.12 157.88 64.72 18 9 31 3797.8 20.21 166.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3723 TRA -.7137 TC3-5.1715 BAU .7718 SGT 3699.6 SGR 655.1 SG3 510.1 ST 751.0 SR 74.8 SS 513.3
 RDE -.0415 RRA .0135 RC3 .9825 FAU .10926 RRT -.9508 RRF -.9899 RTF .9518 CRT -.9065 CRS .9877 CST -.8889
 FDE .8520 FRA -.1262 FC3-8.6246 BSP 11774 SGB 3757.1 R23 .2655 R13 -.9542 LSA 890.5 MSA 199.9 SSA 10.7
 BDE .3746 BRA .7138 BC3 5.2640 FSP -1683 SG1 3751.8 SG2 200.1 THA 170.42 EL1 754.1 EL2 31.5 ALF 174.83

LAUNCH DATE DEC 2 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.550 GAL -3.99 AZL 88.04 MCA 195.82 SMA 127.52 ECC .17100 INC 1.9600 V1 30.209
 RP 108.72 LAP -.53 LOP 265.42 VP 37.425 GAP 5.03 AZP 91.89 TAL 200.03 TAP 35.86 RCA 105.71 APO 149.32 V2 34.856
 RC 121.557 GL 16.37 GP 13.63 ZAL 119.63 ZAP 140.15 ETS 14.52 ZAE 135.69 ETE 167.65 ZAC 36.71 ETC 172.02 CLP-142.18

PLANETOCENTRIC CONIC
 C3 11.116 VML 3.334 DLA -2.28 RAL 306.79 RAD 6567.4 VEL 11.511 PTH 2.01 VHP 4.050 DPA -8.47 RAP 303.46 ECC 1.1829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 10 2012.89 -14.22 29.10 159.07 114.75 3 56 43 1412.9 -10.76 22.13
 90.00 14 47 27 4798.04 18.05 206.64 159.78 67.81 16 7 25 4198.0 14.89 199.39
 100.00 4 43 27 1753.92 -19.06 9.64 158.66 116.13 5 12 41 1153.9 -11.42 2.74
 100.00 16 9 51 4532.25 18.91 186.71 159.40 66.41 17 25 23 3932.2 15.56 179.52
 110.00 5 49 16 1547.90 -17.29 352.77 157.42 119.96 6 15 4 947.9 -13.18 346.07
 110.00 17 20 32 4311.03 21.19 168.76 158.24 62.53 18 32 23 3711.0 17.34 161.74

DIFFERENTIAL CORRECTIONS
 TDE .5198 TRA -.7248 TC3-5.2931 BAU .7958 SGT 3848.3 SGR 542.1 SG3 500.0 ST 974.2 SR 56.0 SS 619.3
 RDE -.0311 RRA .0068 RC3 .8088 FAU .10611 RRT -.9424 RRF -.9779 RTF .9517 CRT -.9316 CRS .9793 CST -.9318
 FDE 1.0251 FRA -.0796 FC3-8.2634 BSP 12257 SGB 3886.3 R23 .2364 R13 -.9532 LSA 1139.5 MSA 192.8 SSA 10.9
 BDE .5208 BRA .7248 BC3 5.3545 FSP -1665 SGI 3882.2 SG2 179.7 THA 172.42 ELI 975.6 EL2 20.3 ALF 176.93

LAUNCH DATE DEC 2 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.511 GAL -3.77 AZL 87.79 MCA 198.99 SMA 127.26 ECC .17168 INC 2.2093 V1 30.209
 RP 108.75 LAP -.72 LOP 268.59 VP 37.388 GAP 5.29 AZP 92.09 TAL 198.77 TAP 37.77 RCA 105.41 APO 149.11 V2 34.846
 RC 123.903 GL 18.43 GP 11.14 ZAL 117.42 ZAP 142.68 ETS 12.68 ZAE 135.13 ETE 170.34 ZAC 38.19 ETC 168.80 CLP-144.15

PLANETOCENTRIC CONIC
 C3 11.207 VML 3.348 DLA .19 RAL 308.10 RAD 6567.4 VEL 11.515 PTH 2.01 VHP 4.132 DPA -10.69 RAP 305.10 ECC 1.1844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 7 2091.01 -16.39 33.81 160.83 113.42 3 44 58 1491.0 -13.08 26.69
 90.00 15 10 58 4723.28 16.07 202.04 160.72 66.37 16 29 41 4123.3 12.74 194.95
 100.00 4 31 33 1828.34 -17.24 14.09 160.44 114.81 5 2 1 1228.3 -13.75 7.04
 100.00 16 32 13 4461.18 16.92 182.37 160.38 64.98 17 46 34 3861.2 13.41 175.34
 110.00 5 40 0 1614.09 -19.50 356.63 159.24 118.65 6 6 54 1014.1 -15.52 349.77
 110.00 17 40 16 4248.19 19.17 165.00 159.17 61.14 18 51 4 3648.2 15.17 158.16

DIFFERENTIAL CORRECTIONS
 TDE .6772 TRA -.6767 TC3-5.2884 BAU .7987 SGT 3901.6 SGR 452.4 SG3 468.7 ST 1214.6 SR 43.6 SS 744.6
 RDE -.0241 RRA -.0079 RC3 .6726 FAU .09682 RRT -.9216 RRF -.9547 RTF .9439 CRT -.9036 CRS .9678 CST -.9519
 FDE 1.2152 FRA .0837 FC3-7.4795 BSP 11756 SGB 3927.7 R23 .2139 R13 -.9449 LSA 1411.7 MSA 196.7 SSA 10.7
 BDE .6776 BRA .6768 BC3 5.3531 FSP -1416 SGI 3923.8 SG2 174.6 THA 173.89 ELI 1215.3 EL2 18.7 ALF 178.14

LAUNCH DATE DEC 2 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.472 GAL -3.55 AZL 87.61 MCA 202.17 SMA 127.00 ECC .17247 INC 2.3893 V1 30.209
 RP 108.78 LAP -.90 LOP 271.76 VP 37.351 GAP 5.55 AZP 92.21 TAL 197.49 TAP 39.65 RCA 105.10 APO 148.90 V2 34.838
 RC 126.245 GL 19.91 GP 9.36 ZAL 115.24 ZAP 144.91 ETS 11.34 ZAE 134.46 ETE 172.20 ZAC 39.76 ETC 166.74 CLP-146.02

PLANETOCENTRIC CONIC
 C3 11.264 VML 3.356 DLA 2.14 RAL 309.59 RAD 6567.4 VEL 11.517 PTH 2.01 VHP 4.230 DPA -12.19 RAP 306.74 ECC 1.1854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 37 2152.43 -18.01 37.58 162.74 112.22 3 37 29 1552.4 -14.84 30.34
 90.00 15 31 21 4663.94 14.42 198.47 162.06 65.36 16 49 4 4063.9 10.98 191.49
 100.00 4 23 57 1886.85 -18.87 17.67 162.35 113.62 4 55 24 1286.9 -15.52 10.48
 100.00 16 51 41 4404.76 15.26 179.00 161.65 63.98 18 5 6 3804.8 11.64 172.08
 110.00 5 34 29 1666.10 -21.16 359.75 161.19 117.49 6 2 15 1066.1 -17.31 352.73
 110.00 17 57 39 4198.28 17.51 162.09 160.41 60.16 19 7 37 3598.3 13.40 155.38

DIFFERENTIAL CORRECTIONS
 TDE .7527 TRA -.6787 TC3-5.5124 BAU .8353 SGT 4084.9 SGR 415.7 SG3 458.7 ST 1335.8 SR 16.0 SS 755.3
 RDE -.0050 RRA -.0102 RC3 .6186 FAU .09479 RRT -.8994 RRF -.9293 RTF .9481 CRT -.4922 CRS .5943 CST -.9592
 FDE 1.2071 FRA .0919 FC3-7.2858 BSP 12780 SGB 4106.0 R23 .1715 R13 -.9488 LSA 1523.1 MSA 187.4 SSA 12.1
 BDE .7527 BRA .6787 BC3 5.5470 FSP -1491 SGI 4102.0 SG2 181.0 THA 174.76 ELI 1335.8 EL2 13.9 ALF 179.66

LAUNCH DATE DEC 2 1965

FLIGHT TIME 148.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.433 GAL -3.31 AZL 87.47 MCA 205.34 SMA 126.74 ECC .17335 INC 2.5262 V1 30.209
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.315 GAP 5.80 AZP 92.28 TAL 196.16 TAP 41.50 RCA 104.77 APO 148.70 V2 34.830
 RC 128.581 GL 21.05 GP 8.02 ZAL 113.05 ZAP 146.91 ETS 10.34 ZAE 133.80 ETE 173.53 ZAC 41.39 ETC 165.41 CLP-147.79

PLANETOCENTRIC CONIC
 C3 11.299 VML 3.361 DLA 3.79 RAL 311.23 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.337 DPA -13.20 RAP 308.41 ECC 1.1860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 53 2204.35 -19.32 40.83 164.76 111.11 3 32 37 1604.3 -16.28 33.48
 90.00 15 50 11 4613.33 12.96 195.47 163.57 64.60 17 7 4 4013.3 9.44 188.57
 100.00 4 18 59 1936.26 -20.19 20.75 164.39 112.52 4 51 16 1336.3 -16.96 13.44
 100.00 17 9 45 4356.64 13.81 176.17 163.15 63.22 18 22 22 3756.6 10.10 169.34
 110.00 5 31 18 1709.95 -22.52 2.43 163.26 116.43 5 59 48 1110.0 -18.78 355.28
 110.00 18 13 56 4155.72 16.05 159.65 161.88 59.40 19 23 12 3555.7 11.87 153.04

DIFFERENTIAL CORRECTIONS
 TDE .8428 TRA -.6452 TC3-5.6552 BAU .8586 SGT 4211.0 SGR 385.1 SG3 439.7 ST 1478.5 SR 21.2 SS 788.9
 RDE .0091 RRA -.0171 RC3 .5707 FAU .08985 RRT -.8659 RRF -.8936 RTF .9475 CRT -.7604 CRS -.6761 CST -.9650
 FDE 1.2314 FRA .1617 FC3-6.8842 BSP 13206 SGB 4228.6 R23 .1427 R13 -.9480 LSA 1665.8 MSA 183.6 SSA 12.9
 BDE .8428 BRA .6454 BC3 5.6839 FSP -1438 SGI 4224.2 SG2 192.0 THA 175.46 ELI 1478.5 EL2 13.8 ALF .62

LAUNCH DATE DEC 2 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.393 GAL -3.07 AZL 87.37 HCA 208.50 SMA 126.47 ECC .17432 INC 2.6346 V1 30.209
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.278 GAP 6.06 AZP 92.32 TAL 194.81 TAP 43.32 RCA 104.42 APO 148.52 V2 34.822
 RC 130.911 GL 21.94 GP 7.00 ZAL 110.83 ZAP 148.75 ETS 9.59 ZAE 133.18 ETE 174.50 ZAC 43.06 ETC 164.55 CLP-149.47

PLANETOCENTRIC CONIC
 C3 11.327 VML 3.366 DLA 5.24 RAL 313.00 RAD 6567.4 VEL 11.520 PTH 2.01 VMP 4.451 OPA -13.89 RAP 310.13 ECC 1.1864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 58 2250.48 -20.42 43.77 166.91 110.05 3 29 28 1650.5 -17.51 36.31
 90.00 16 8 13 4568.22 11.63 192.83 165.26 64.00 17 24 22 3968.2 8.04 185.99
 100.00 4 15 47 1980.14 -21.31 23.53 166.55 111.47 4 48 47 1380.1 -18.21 16.11
 100.00 17 27 6 4313.79 12.48 173.68 164.83 62.61 18 38 59 3713.8 8.71 166.92
 110.00 5 29 41 1748.83 -23.67 4.86 165.44 115.41 5 58 50 1148.8 -20.06 357.58
 110.00 18 29 40 4117.87 14.72 157.52 163.53 58.80 19 38 18 3517.9 10.48 150.98

DIFFERENTIAL CORRECTIONS
 TDE .9268 TRA -.6017 TC3-5.7935 BAU .8811 SGT 4330.8 SGR 365.5 SG3 420.7 ST 1611.9 SR 41.2 SS 815.3
 RDE .0222 RRA -.0242 RC3 .5365 FAU .08492 RRT -.8252 RRF -.8510 RTF .9467 CRT .9358 CRS -.8803 CST -.9692
 FDE 1.2411 FRA .2318 FC3-6.4903 BSP 13620 SGB 4346.1 R23 .1203 R13 -.9471 LSA 1797.8 MSA 180.3 SSA 13.8
 BDE .9271 BRA .6022 BC3 5.8183 FSP -1382 SG1 4341.3 SG2 205.9 THA 176.01 EL1 1612.4 EL2 14.5 ALF 1.37

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.352 GAL -2.81 AZL 87.28 HCA 211.67 SMA 126.20 ECC .17540 INC 2.7226 V1 30.209
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.242 GAP 6.31 AZP 92.32 TAL 193.43 TAP 45.10 RCA 104.07 APO 148.34 V2 34.816
 RC 133.236 GL 22.65 GP 6.18 ZAL 108.56 ZAP 150.46 ETS 9.02 ZAE 132.60 ETE 175.24 ZAC 44.78 ETC 164.01 CLP-151.05

PLANETOCENTRIC CONIC
 C3 11.358 VML 3.370 DLA 6.57 RAL 314.89 RAD 6567.4 VEL 11.522 PTH 2.01 VMP 4.569 OPA -14.32 RAP 311.89 ECC 1.1869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 20 2293.07 -21.39 46.52 169.18 109.01 3 27 33 1693.1 -18.60 38.95
 90.00 16 25 54 4526.76 10.38 190.42 167.12 63.51 17 41 21 3926.8 6.74 183.63
 100.00 4 13 49 2020.61 -22.30 26.13 168.83 110.44 4 47 29 1420.6 -19.31 18.60
 100.00 17 44 7 4274.46 11.23 171.42 166.67 62.12 18 55 21 3674.5 7.42 164.71
 110.00 5 29 13 1784.62 -24.70 7.13 167.75 114.42 5 58 58 1184.6 -21.19 359.74
 110.00 18 45 12 4083.21 13.49 155.59 165.35 58.29 19 53 15 3483.2 9.20 149.11

DIFFERENTIAL CORRECTIONS
 TDE 1.0090 TRA -.5469 TC3-5.9211 BAU .9025 SGT 4443.8 SGR 353.7 SG3 402.3 ST 1742.4 SR 61.6 SS 837.7
 RDE .0344 RRA -.0316 RC3 .5112 FAU .08014 RRT -.7790 RRF -.8034 RTF .9459 CRT .9661 CRS -.9167 CST -.9724
 FDE 1.2429 FRA .3024 FC3-6.1084 BSP 13982 SGB 4457.9 R23 .1033 R13 -.9462 LSA 1926.1 MSA 177.0 SSA 14.7
 BDE 1.0096 BRA .5478 BC3 5.9432 FSP -1323 SG1 4452.4 SG2 221.3 THA 176.44 EL1 1743.4 EL2 15.9 ALF 1.96

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.312 GAL -2.55 AZL 87.20 HCA 214.84 SMA 125.94 ECC .17659 INC 2.7963 V1 30.209
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.207 GAP 6.56 AZP 92.30 TAL 192.03 TAP 46.86 RCA 103.70 APO 148.18 V2 34.809
 RC 135.553 GL 23.22 GP 5.53 ZAL 106.24 ZAP 152.05 ETS 8.59 ZAE 132.08 ETE 175.80 ZAC 46.54 ETC 163.69 CLP-152.56

PLANETOCENTRIC CONIC
 C3 11.401 VML 3.377 DLA 7.82 RAL 316.88 RAD 6567.4 VEL 11.523 PTH 2.01 VMP 4.690 OPA -14.57 RAP 313.71 ECC 1.1876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 39 2333.51 -22.27 49.16 171.57 107.96 3 26 33 1733.5 -19.60 41.50
 90.00 16 43 30 4487.87 9.19 188.18 169.13 63.10 17 58 18 3887.9 5.51 181.44
 100.00 4 12 46 2059.01 -23.19 28.63 171.23 109.41 4 47 5 1459.0 -20.33 21.00
 100.00 18 1 4 4237.61 10.05 169.32 168.67 61.70 19 11 42 3637.6 6.19 162.66
 110.00 5 29 37 1818.53 -25.64 9.32 170.18 113.43 5 59 55 1218.5 -22.24 1.81
 110.00 19 0 43 4050.85 12.33 153.80 167.32 57.86 20 8 14 3450.9 8.00 147.39

DIFFERENTIAL CORRECTIONS
 TDE 1.0889 TRA -.4844 TC3-6.0387 BAU .9235 SGT 4553.3 SGR 347.6 SG3 384.9 ST 1868.4 SR 81.1 SS 855.8
 RDE .0459 RRA -.0390 RC3 .4918 FAU .07562 RRT -.7297 RRF -.7531 RTF .9451 CRT .9754 CRS -.9270 CST -.9751
 FDE 1.2376 FRA .3682 FC3-5.7423 BSP 14364 SGB 4566.5 R23 .0901 R13 -.9454 LSA 2049.3 MSA 173.5 SSA 15.5
 BDE 1.0899 BRA .4859 BC3 6.0587 FSP -1272 SG1 4560.4 SG2 237.3 THA 176.80 EL1 1870.1 EL2 17.9 ALF 2.42

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 27.271 GAL -2.27 AZL 87.14 HCA 218.00 SMA 125.67 ECC .17790 INC 2.8591 V1 30.209
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.171 GAP 6.81 AZP 92.25 TAL 190.59 TAP 48.60 RCA 103.31 APO 148.03 V2 34.804
 RC 137.863 GL 23.67 GP 4.99 ZAL 103.85 ZAP 153.56 ETS 8.27 ZAE 131.61 ETE 176.24 ZAC 48.34 ETC 163.53 CLP-154.00

PLANETOCENTRIC CONIC
 C3 11.462 VML 3.386 DLA 9.00 RAL 318.98 RAD 6567.4 VEL 11.526 PTH 2.01 VMP 4.816 OPA -14.66 RAP 315.57 ECC 1.1886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 43 2372.72 -23.07 51.76 174.09 106.90 3 26 16 1772.7 -20.53 44.00
 90.00 17 1 10 4450.88 8.05 186.07 171.29 62.76 18 15 21 3850.9 4.33 179.36
 100.00 4 12 27 2096.20 -24.01 31.09 173.77 108.37 4 47 23 1496.2 -21.27 23.36
 100.00 18 18 7 4202.63 8.92 167.35 170.82 61.35 19 28 10 3602.6 5.03 160.72
 110.00 5 30 42 1851.33 -26.51 11.47 172.74 112.42 6 1 33 1251.3 -23.23 3.84
 110.00 19 16 21 4020.27 11.21 152.13 169.44 57.50 20 23 22 3420.3 6.85 145.76

DIFFERENTIAL CORRECTIONS
 TDE 1.1710 TRA -.4092 TC3-6.1309 BAU .9423 SGT 4653.2 SGR 345.1 SG3 367.9 ST 1996.8 SR 99.5 SS 874.0
 RDE .0567 RRA -.0468 RC3 .4750 FAU .07109 RRT -.6779 RRF -.7004 RTF .9439 CRT .9776 CRS -.9277 CST -.9774
 FDE 1.2324 FRA .4370 FC3-5.3695 BSP 14651 SGB 4666.0 R23 .0796 R13 -.9441 LSA 2175.2 MSA 170.5 SSA 16.2
 BDE 1.1724 BRA .4119 BC3 6.1493 FSP -1211 SG1 4659.1 SG2 253.3 THA 177.11 EL1 1999.1 EL2 20.9 ALF 2.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 460.209

RL 147.48 LAL .00 LOL 69.61 VL 27.229 GAL -1.98 AZL 87.09 HCA 221.17 SMA 125.40 ECC .17933 INC 2.9134 VI 30.209
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.136 GAP 7.06 AZP 92.19 TAL 189.14 TAP 50.31 RCA 102.91 APO 147.89 V2 34.799
 RC 140.164 GL 24.02 GP 4.54 ZAL 101.41 ZAP 154.98 ETS 8.04 ZAE 131.20 ETE 176.60 ZAC 50.19 ETC 163.49 CLP-155.37

PLANETOCENTRIC CONIC

C3 11.548 VHL 3.398 DLA 10.14 RAL 321.17 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 4.944 DPA -14.64 RAP 317.48 ECC 1.1901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 22 2411.30 -23.80 54.34 176.75 105.80 3 26 33 1811.3 -21.41 46.49
 90.00 17 19 1 4415.42 6.94 184.06 173.60 62.48 18 32 37 3815.4 3.19 177.37
 100.00 4 12 43 2132.76 -24.77 33.54 176.44 107.29 4 48 16 1532.8 -22.17 25.71
 100.00 18 35 20 4169.19 7.82 165.47 173.12 61.06 19 44 50 3569.2 3.90 158.88
 110.00 5 32 22 1883.53 -27.32 13.62 175.44 111.39 6 3 46 1283.5 -24.17 5.87
 110.00 19 32 11 3991.19 10.15 150.56 171.71 57.18 20 38 42 3391.2 5.75 144.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2499 TRA -.3290 TC3-6.2147 BAU .9621 SGT 4753.8 SGR 346.1 SG3 352.3 ST 2117.9 SR 117.4 SS 885.8
 ROE .0674 RRA -.0544 RC3 .4610 FAU .06706 RRT -.6270 RRF -.6493 RTF .9434 CRT .9774 CRS -.9262 CST -.9794
 FOE 1.2189 FRA .4963 FC3-5.0275 BSP 15004 SGB 4766.4 R23 .0718 R13 -.9436 LSA 2292.5 MSA 166.9 SSA 17.0
 BOE 1.2517 BRA .3334 BC3 6.2318 FSP -1166 SG1 4758.8 SG2 269.3 THA 177.38 EL1 2121.0 EL2 24.8 ALF 3.10

LAUNCH DATE DEC 2 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 466.086

RL 147.48 LAL .00 LOL 69.61 VL 27.188 GAL -1.68 AZL 87.04 HCA 224.33 SHA 125.14 ECC .18089 INC 2.9614 VI 30.209
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.102 GAP 7.31 AZP 92.12 TAL 187.66 TAP 51.99 RCA 102.50 APO 147.77 V2 34.795
 RC 142.456 GL 24.27 GP 4.15 ZAL 98.92 ZAP 156.33 ETS 7.89 ZAE 130.82 ETE 176.88 ZAC 52.07 ETC 163.53 CLP-156.68

PLANETOCENTRIC CONIC

C3 11.666 VHL 3.416 DLA 11.23 RAL 323.46 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.077 DPA -14.51 RAP 319.42 ECC 1.1920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 30 2449.67 -24.49 56.94 179.55 104.67 3 27 20 1849.7 -22.24 49.00
 90.00 17 37 7 4381.28 5.86 182.13 176.06 62.25 18 50 8 3781.3 2.10 175.46
 100.00 4 13 30 2169.09 -25.48 36.00 179.25 106.18 4 49 39 1569.1 -23.02 28.07
 100.00 18 52 48 4137.08 6.76 163.68 175.57 60.81 20 1 45 3537.1 2.82 157.11
 110.00 5 34 33 1915.49 -28.10 15.78 178.28 110.32 6 6 28 1315.5 -25.07 7.91
 110.00 19 48 15 3963.46 9.12 149.07 174.13 56.91 20 54 18 3363.5 4.70 142.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3301 TRA -.2389 TC3-6.2760 BAU .9813 SGT 4850.3 SGR 349.0 SG3 337.5 ST 2238.3 SR 134.6 SS 896.7
 ROE .0778 RRA -.0621 RC3 .4476 FAU .06321 RRT -.5768 RRF -.5991 RTF .9428 CRT .9752 CRS -.9225 CST -.9811
 FOE 1.2054 FRA .5550 FC3-4.6908 BSP 15334 SGB 4862.8 R23 .0655 R13 -.9429 LSA 2409.4 MSA 163.8 SSA 17.6
 BOE 1.3324 BRA .2468 BC3 6.2919 FSP -1119 SG1 4854.4 SG2 284.8 THA 177.62 EL1 2242.2 EL2 29.8 ALF 3.36

LAUNCH DATE DEC 2 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 471.947

RL 147.48 LAL .00 LOL 69.61 VL 27.146 GAL -1.37 AZL 87.00 HCA 227.49 SMA 124.87 ECC .18260 INC 3.0042 VI 30.209
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.069 GAP 7.56 AZP 92.03 TAL 186.17 TAP 53.66 RCA 102.07 APO 147.67 V2 34.791
 RC 144.737 GL 24.44 GP 3.83 ZAL 96.36 ZAP 157.62 ETS 7.81 ZAE 130.50 ETE 177.12 ZAC 53.99 ETC 163.63 CLP-157.94

PLANETOCENTRIC CONIC

C3 11.820 VHL 3.438 DLA 12.30 RAL 325.83 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.212 DPA -14.29 RAP 321.40 ECC 1.1945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 4 2488.09 -23.13 59.58 182.48 103.50 3 28 32 1888.1 -23.02 51.54
 90.00 17 55 28 4348.38 4.81 180.27 178.68 62.06 19 7 57 3748.4 1.04 173.63
 100.00 4 14 43 2205.44 -26.15 38.50 182.20 105.03 4 51 28 1605.4 -23.83 30.47
 100.00 19 10 31 4106.26 5.73 161.97 178.17 60.61 20 18 57 3506.3 1.77 155.42
 110.00 5 37 10 1947.42 -28.83 17.97 181.26 109.21 6 9 37 1347.4 -25.94 9.99
 110.00 20 4 33 3937.04 8.13 147.66 176.70 56.68 21 10 10 3337.0 3.69 141.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4109 TRA -.1407 TC3-6.3110 BAU .9997 SGT 4941.4 SGR 353.2 SG3 323.3 ST 2355.9 SR 151.3 SS 904.7
 ROE .0881 RRA -.0698 RC3 .4340 FAU .05954 RRT -.5279 RRF -.5504 RTF .9424 CRT .9720 CRS -.9180 CST -.9827
 FOE 1.1897 FRA .6089 FC3-4.3607 BSP 15665 SGB 4954.0 R23 .0601 R13 -.9425 LSA 2523.0 MSA 160.6 SSA 18.2
 BOE 1.4136 BRA .1571 BC3 6.3259 FSP -1078 SG1 4944.9 SG2 299.8 THA 177.83 EL1 2360.5 EL2 35.5 ALF 3.57

LAUNCH DATE DEC 2 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 477.792

RL 147.48 LAL .00 LOL 69.61 VL 27.105 GAL -1.05 AZL 86.96 HCA 230.65 SMA 124.61 ECC .18446 INC 3.0429 VI 30.209
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.036 GAP 7.81 AZP 91.93 TAL 184.65 TAP 55.30 RCA 101.62 APO 147.59 V2 34.788
 RC 147.008 GL 24.52 GP 3.55 ZAL 93.76 ZAP 158.86 ETS 7.79 ZAE 130.21 ETE 177.31 ZAC 55.95 ETC 163.76 CLP-159.14

PLANETOCENTRIC CONIC

C3 12.018 VHL 3.467 DLA 13.33 RAL 328.28 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 5.352 DPA -13.99 RAP 323.41 ECC 1.1978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 1 2526.74 -25.72 62.26 185.56 102.28 3 30 8 1926.7 -23.77 54.13
 90.00 18 14 6 4316.71 3.80 178.50 181.44 61.92 19 26 3 3716.7 .01 171.86
 100.00 4 16 19 2241.97 -26.77 41.04 185.29 103.83 4 53 41 1642.0 -24.60 32.91
 100.00 19 28 29 4076.72 4.74 160.33 180.92 60.45 20 36 26 3476.7 .77 153.80
 110.00 5 40 12 1979.47 -29.53 20.21 184.40 108.05 6 13 12 1379.5 -26.78 12.10
 110.00 20 21 5 3911.98 7.19 146.32 179.41 56.49 21 26 17 3312.0 2.74 140.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4955 TRA -.0304 TC3-6.3114 BAU 1.0163 SGT 5026.0 SGR 358.1 SG3 309.8 ST 2475.1 SR 167.4 SS 913.1
 ROE .0983 RRA -.0776 RC3 .4193 FAU .05595 RRT -.4800 RRF -.5025 RTF .9418 CRT .9676 CRS -.9124 CST -.9841
 FOE 1.1761 FRA .6643 FC3-4.0303 BSP 15917 SGB 5038.7 R23 .0555 R13 -.9419 LSA 2638.7 MSA 158.0 SSA 18.7
 BOE 1.4987 BRA .0833 BC3 6.3253 FSP -1031 SG1 5029.0 SG2 314.0 THA 178.03 EL1 2480.4 EL2 42.1 ALF 3.75

LAUNCH DATE DEC 2 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 483.621

RL 147.48 LAL .00 LOL 69.61 VL 27.063 GAL -.71 AZL 86.92 HCA 233.82 SMA 124.34 ECC .18648 INC 3.0783 V1 30.209
 RP 108.94 LAP -2.48 LOP 303.38 VP 37.003 GAP 8.07 AZP 91.82 TAL 183.12 TAP 56.93 RCA 101.16 APO 147.53 V2 34.786
 RC 149.266 GL 24.51 GP 3.31 ZAL 91.11 ZAP 160.04 ETS 7.82 ZAE 129.95 ETE 177.48 ZAC 57.94 ETC 163.93 CLP-160.31

PLANETOCENTRIC CONIC

C3 12.266 VHL 3.502 DLA 14.32 RAL 330.81 RAD 6567.5 VEL 11.561 PTH 2.02 VHP 5.495 DPA -13.62 RAP 325.44 ECC 1.2019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 19 2565.71 -26.25 64.98 188.78 101.02 3 32 4 1965.7 -24.47 56.77
 90.00 18 32 58 4286.37 2.82 176.80 184.34 61.81 19 44 25 3686.4 -9.97 170.17
 100.00 4 18 18 2278.75 -27.34 43.62 188.52 102.58 4 56 16 1678.7 -25.33 35.40
 100.00 19 46 40 4048.57 3.80 158.78 183.81 60.33 20 54 9 3448.6 -1.18 152.25
 110.00 5 43 38 2011.71 -30.19 22.49 187.67 106.85 6 17 10 1411.7 -27.59 14.26
 110.00 20 37 49 3888.37 6.30 145.07 182.25 56.33 21 42 38 3288.4 1.84 138.84

DIFFERENTIAL CORRECTIONS

TDE 1.5804 TRA .0871 TC3-6.2873 BAU 1.0332
 RDE .1087 RRA -.0851 RC3 .4037 FAU .05262
 FDE 1.1609 FRA .7143 FC3-3.7137 BSP 16194
 BDE 1.5841 BRA .1218 BC3 6.3002 FSP -991

MID-COURSE EXECUTION ACCURACY

SGT 5109.0 SGR 363.7 SG3 297.2
 RRT -.4342 RRF -.4567 RTF .9415
 SGB 5121.9 R23 .0513 R13 -.9416
 SG1 5111.4 SG2 327.4 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 2589.2 SR 183.2 SS 918.7
 CRT .9630 CRS -.9070 CST -.9854
 LSA 2749.0 MSA 155.7 SSA 19.1
 EL1 2595.2 EL2 49.2 ALF 3.90

LAUNCH DATE DEC 2 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 489.431

RL 147.48 LAL .00 LOL 69.61 VL 27.022 GAL -.36 AZL 86.89 HCA 236.98 SMA 124.08 ECC .18867 INC 3.1108 V1 30.209
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.972 GAP 8.34 AZP 91.70 TAL 181.57 TAP 58.55 RCA 100.67 APO 147.50 V2 34.785
 RC 151.511 GL 24.43 GP 3.10 ZAL 88.43 ZAP 161.18 ETS 7.91 ZAE 129.73 ETE 177.62 ZAC 59.96 ETC 164.12 CLP-161.43

PLANETOCENTRIC CONIC

C3 12.571 VHL 3.546 DLA 15.28 RAL 333.41 RAD 6567.5 VEL 11.574 PTH 2.02 VHP 5.643 DPA -13.19 RAP 327.50 ECC 1.2069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 56 2605.02 -26.73 67.76 192.13 99.70 3 34 21 2005.0 -25.12 59.46
 90.00 18 52 2 4257.50 1.89 175.19 187.39 61.74 20 3 0 3657.5 -1.90 168.56
 100.00 4 20 37 2315.81 -27.86 46.25 191.89 101.29 4 59 13 1715.8 -26.02 37.93
 100.00 20 5 2 4021.94 2.90 157.31 186.83 60.24 21 12 4 3421.9 -1.09 150.79
 110.00 5 47 26 2044.15 -30.81 24.81 191.08 105.60 6 21 31 1444.2 -28.36 16.47
 110.00 20 54 43 3866.36 5.47 143.91 185.23 56.21 21 59 9 3266.4 1.00 137.69

DIFFERENTIAL CORRECTIONS

TDE 1.6615 TRA .2103 TC3-6.2454 BAU 1.0516
 RDE .1197 RRA -.0923 RC3 .3873 FAU .04970
 FDE 1.1398 FRA .7572 FC3-3.4226 BSP 16575
 BDE 1.6658 BRA .2296 BC3 6.2574 FSP -965

MID-COURSE EXECUTION ACCURACY

SGT 5190.9 SGR 369.8 SG3 285.2
 RRT -.3914 RRF -.4150 RTF .9421
 SGB 5204.1 R23 .0485 R13 -.9422
 SG1 5193.0 SG2 340.2 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 2690.3 SR 199.1 SS 917.7
 CRT .9584 CRS -.9020 CST -.9865
 LSA 2845.3 MSA 153.3 SSA 19.4
 EL1 2697.1 EL2 56.7 ALF 4.06

LAUNCH DATE DEC 2 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE .000

RL 147.48 LAL .00 LOL 69.61 VL 26.980 GAL .00 AZL 86.86 HCA 240.14 SMA 123.82 ECC .19106 INC 3.1411 V1 30.209
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.941 GAP 8.60 AZP 91.57 TAL 180.00 TAP 60.14 RCA 100.17 APO 147.48 V2 34.784
 RC 153.743 GL 24.27 GP 2.91 ZAL 85.70 ZAP 162.28 ETS 8.04 ZAE 129.54 ETE 177.74 ZAC 62.02 ETC 164.31 CLP-162.51

PLANETOCENTRIC CONIC

C3 12.940 VHL 3.597 DLA 16.20 RAL 336.07 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 5.796 DPA -12.70 RAP 329.58 ECC 1.2130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 54 2644.77 -27.16 70.59 195.62 98.34 3 36 59 2044.8 -25.72 62.22
 90.00 19 11 19 4230.17 1.01 173.66 190.58 61.70 20 21 49 3630.2 -2.78 167.03
 100.00 4 23 18 2353.23 -28.33 48.93 195.40 99.96 5 2 31 1753.2 -26.66 40.53
 100.00 20 23 36 3996.94 2.05 155.94 190.01 60.17 21 30 13 3396.9 -1.93 149.42
 110.00 5 51 38 2076.89 -31.38 27.19 194.65 104.30 6 26 14 1476.9 -29.10 18.73
 110.00 21 11 46 3846.04 4.70 142.84 188.36 56.10 22 15 52 3246.0 .22 136.63

LAUNCH DATE DEC 2 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 500.999

RL 147.48 LAL .00 LOL 69.61 VL 26.939 GAL .38 AZL 86.83 HCA 243.30 SMA 123.57 ECC .19364 INC 3.1696 V1 30.209
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.911 GAP 8.88 AZP 91.43 TAL 178.43 TAP 61.73 RCA 99.64 APO 147.50 V2 34.784
 RC 155.962 GL 24.03 GP 2.75 ZAL 82.98 ZAP 163.34 ETS 8.23 ZAE 129.38 ETE 177.85 ZAC 64.10 ETC 164.52 CLP-163.56

PLANETOCENTRIC CONIC

C3 13.379 VHL 3.658 DLA 17.08 RAL 338.76 RAD 6567.5 VEL 11.609 PTH 2.03 VHP 5.954 DPA -12.16 RAP 331.67 ECC 1.2202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 9 2684.58 -27.52 73.45 199.21 96.96 3 39 54 2084.6 -26.27 65.01
 90.00 19 30 32 4204.79 .19 172.25 193.88 61.68 20 40 37 3604.8 -3.59 165.61
 100.00 4 26 18 2390.66 -28.74 51.64 199.02 98.59 5 6 8 1790.7 -27.26 43.15
 100.00 20 42 5 3973.93 1.27 154.68 193.28 60.13 21 48 19 3373.9 -2.71 148.15
 110.00 5 56 8 2109.60 -31.91 29.60 198.32 102.97 6 31 17 1509.6 -29.79 21.02
 110.00 21 28 44 3827.76 4.01 141.89 191.58 56.02 22 32 32 3227.8 -.48 135.68

DIFFERENTIAL CORRECTIONS

TDE 1.8430 TRA .5013 TC3-6.0153 BAU 1.0777
 RDE .1425 RRA -.1065 RC3 .3478 FAU .04338
 FDE 1.1134 FRA .8982 FC3-2.8070 BSP 16929
 BDE 1.8485 BRA .5125 BC3 6.0253 FSP -879

MID-COURSE EXECUTION ACCURACY

SGT 5326.7 SGR 380.8 SG3 262.6
 RRT -.3051 RRF -.3273 RTF .9406
 SGB 5340.3 R23 .0409 R13 -.9406
 SG1 5328.0 SG2 362.5 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 2900.5 SR 229.3 SS 923.7
 CRT .9476 CRS -.8904 CST -.9884
 LSA 3048.7 MSA 152.6 SSA 19.7
 EL1 2908.6 EL2 73.1 ALF 4.29

LAUNCH DATE DEC 2 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 25 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.898 GAL .77 AZL 86.80 HCA 246.46 SMA 123.31 ECC .19644 INC 3.1965 V1 30.209
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.881 GAP 9.16 AZP 91.28 TAL 176.84 TAP 63.30 RCA 99.09 APO 147.54 V2 34.785
 RC 158.168 GL 23.72 GP 2.60 ZAL 80.24 ZAP 164.37 ETS 8.47 ZAE 129.24 ETE 177.95 ZAC 66.20 ETC 164.72 CLP-164.58

Distance 506.753

Planetocentric Conic
 C3 13.900 VHL 3.728 OLA 17.91 RAL 341.50 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 6.118 DPA -11.58 RAP 333.78 ECC 1.2288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 44 2724.64 -27.82 76.34 202.92 95.53 3 43 9 2124.6 -26.76 67.84
 90.00 19 49 48 4181.40 -.56 170.94 197.31 61.69 20 59 30 3581.4 -4.34 164.30
 100.00 4 29 38 2428.29 -29.09 54.38 202.75 97.19 5 10 7 1828.3 -27.79 45.82
 100.00 21 0 35 3952.99 .56 153.53 196.69 60.11 22 6 28 3353.0 -3.42 147.00
 110.00 6 1 0 2142.46 -32.38 32.04 202.12 101.60 6 36 42 1542.5 -30.45 23.36
 110.00 21 45 43 3811.58 3.39 141.04 194.92 55.97 22 49 15 3211.6 -1.10 134.83

Differential Corrections
 TDE 1.9321 TRA .6568 TC3-5.8708 BAU 1.0927 SGT 5394.9 SGR 386.2 SG3 252.4 ST 2989.2 SR 244.3 SS 921.4
 RDE .1549 RRA -.1127 RC3 .3266 FAU .04072 RRT -.2652 RRF -.2869 RTF .9409 CRT .9426 CRS -.8859 CST -.9893
 FDE 1.0976 FRA .8997 FC3-2.5360 BSP 17196 SGB 5408.7 R23 .0375 R13 -.9410 LSA 3133.7 MSA 152.4 SSA 19.7
 BDE 1.9383 BRA .6664 BC3 5.8799 FSP -848 SG1 5395.9 SG2 372.3 THA 178.91 EL1 2998.0 EL2 81.3 ALF 4.41

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 27 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.857 GAL 1.18 AZL 86.78 HCA 249.62 SMA 123.06 ECC .19947 INC 3.2222 V1 30.209
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.853 GAP 9.45 AZP 91.12 TAL 175.24 TAP 64.86 RCA 98.51 APO 147.61 V2 34.787
 RC 160.359 GL 23.34 GP 2.47 ZAL 77.51 ZAP 165.37 ETS 8.77 ZAE 129.12 ETE 178.04 ZAC 68.33 ETC 164.92 CLP-165.58

Distance 512.485

Planetocentric Conic
 C3 14.512 VHL 3.809 OLA 18.69 RAL 344.27 RAD 6567.6 VEL 11.657 PTH 2.05 VHP 6.289 DPA -10.95 RAP 335.89 ECC 1.2388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 39 2764.75 -28.04 79.26 206.73 94.09 3 46 44 2164.7 -27.18 70.70
 90.00 20 8 57 4160.30 -1.24 169.77 200.85 61.71 21 18 18 3560.3 -5.02 163.12
 100.00 4 33 20 2465.91 -29.38 57.14 206.59 95.76 5 14 26 1865.9 -28.27 48.51
 100.00 21 18 58 3934.37 -.07 152.51 200.19 60.11 22 24 32 3334.4 -4.05 145.98
 110.00 6 6 13 2175.32 -32.81 34.51 206.03 100.19 6 42 28 1575.3 -31.05 25.73
 110.00 22 2 35 3797.73 2.86 140.31 198.36 55.92 23 5 52 3197.7 -1.63 134.11

Differential Corrections
 TDE 2.0219 TRA .8233 TC3-5.6926 BAU 1.1060 SGT 5455.9 SGR 391.2 SG3 242.4 ST 3068.9 SR 259.2 SS 916.7
 RDE .1681 RRA -.1184 RC3 .3042 FAU .03813 RRT -.2259 RRF -.2471 RTF .9413 CRT .9378 CRS -.8816 CST -.9901
 FDE 1.0809 FRA .9400 FC3-2.2749 BSP 17442 SGB 5469.9 R23 .0344 R13 -.9414 LSA 3209.7 MSA 152.9 SSA 19.5
 BDE 2.0288 BRA .8318 BC3 5.7007 FSP -819 SG1 5456.6 SG2 381.0 THA 179.07 EL1 3078.5 EL2 89.7 ALF 4.53

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 29 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.816 GAL 1.61 AZL 86.75 HCA 252.78 SMA 122.81 ECC .20276 INC 3.2468 V1 30.209
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.825 GAP 9.75 AZP 90.96 TAL 173.64 TAP 66.42 RCA 97.91 APO 147.71 V2 34.789
 RC 162.536 GL 22.90 GP 2.35 ZAL 74.79 ZAP 166.35 ETS 9.12 ZAE 129.03 ETE 178.12 ZAC 70.48 ETC 165.12 CLP-166.55

Distance 518.194

Planetocentric Conic
 C3 15.225 VHL 3.902 OLA 19.42 RAL 347.05 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.468 DPA -10.28 RAP 338.02 ECC 1.2506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 55 2804.75 -28.20 82.17 210.63 92.64 3 50 40 2204.8 -27.54 73.57
 90.00 20 27 53 4141.72 -1.84 168.73 204.48 61.74 21 36 55 3541.7 -5.61 162.07
 100.00 4 37 22 2503.39 -29.61 59.90 210.53 94.32 5 19 6 1903.4 -28.69 51.22
 100.00 21 37 7 3918.32 -.61 151.63 203.80 60.11 22 42 25 3318.3 -4.59 145.09
 110.00 6 11 46 2208.07 -33.17 37.00 210.05 98.76 6 48 34 1608.1 -31.61 28.12
 110.00 22 19 13 3786.39 2.43 139.72 201.89 55.89 23 22 19 3186.4 -2.06 133.52

Differential Corrections
 TDE 2.1123 TRA 1.0010 TC3-5.4878 BAU 1.1185 SGT 5512.7 SGR 395.7 SG3 233.0 ST 3139.4 SR 273.7 SS 910.4
 RDE .1822 RRA -.1235 RC3 .2809 FAU .03567 RRT -.1873 RRF -.2080 RTF .9418 CRT .9332 CRS -.8776 CST -.9908
 FDE 1.0643 FRA .9795 FC3-2.0282 BSP 17672 SGB 5526.9 R23 .0313 R13 -.9419 LSA 3276.4 MSA 154.1 SSA 19.3
 BDE 2.1201 BRA 1.0086 BC3 5.4950 FSP -790 SG1 5513.2 SG2 388.7 THA 179.23 EL1 3149.7 EL2 98.1 ALF 4.66

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 180.00

ARRIVAL DATE MAY 31 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.776 GAL 2.06 AZL 86.73 HCA 255.95 SMA 122.57 ECC .20632 INC 3.2706 V1 30.209
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.799 GAP 10.07 AZP 90.79 TAL 172.02 TAP 67.97 RCA 97.28 APO 147.85 V2 34.792
 RC 164.699 GL 22.40 GP 2.25 ZAL 72.09 ZAP 167.30 ETS 9.54 ZAE 128.94 ETE 178.20 ZAC 72.65 ETC 165.30 CLP-167.50

Distance 523.879

Planetocentric Conic
 C3 16.053 VHL 4.007 OLA 20.08 RAL 349.83 RAD 6567.6 VEL 11.723 PTH 2.07 VHP 6.654 DPA -9.57 RAP 340.15 ECC 1.2642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 31 2844.50 -28.29 85.08 214.60 91.18 3 54 56 2244.5 -27.83 76.44
 90.00 20 46 30 4125.90 -2.35 167.85 208.19 61.77 21 55 16 3525.9 -6.11 161.18
 100.00 4 41 46 2540.59 -29.77 62.66 214.54 92.88 5 24 7 1940.6 -29.05 53.93
 100.00 21 54 56 3905.04 -1.06 150.90 207.48 60.12 23 0 1 3305.0 -5.03 144.36
 110.00 6 17 39 2240.64 -33.48 39.49 214.15 97.32 6 54 59 1640.6 -32.11 30.53
 110.00 22 35 33 3777.76 2.10 139.27 205.50 55.87 23 38 31 3177.8 -2.39 133.07

Differential Corrections
 TDE 2.2082 TRA 1.1935 TC3-5.2493 BAU 1.1279 SGT 5563.3 SGR 399.6 SG3 224.0 ST 3204.2 SR 288.0 SS 903.7
 RDE .1971 RRA -.1278 RC3 .2568 FAU .03316 RRT -.1484 RRF -.1682 RTF .9421 CRT .9286 CRS -.8739 CST -.9915
 FDE 1.0494 FRA 1.0203 FC3-1.7885 BSP 17800 SGB 5577.6 R23 .0280 R13 -.9421 LSA 3337.9 MSA 156.0 SSA 18.9
 BDE 2.2150 BRA 1.2004 BC3 5.2556 FSP -758 SG1 5563.6 SG2 395.2 THA 179.39 EL1 3215.3 EL2 106.5 ALF 4.78

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.735 GAL 2.53 AZL 86.71 HCA 259.11 SMA 122.32 ECC .21018 INC 3.2938 V1 30.209
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.773 GAP 10.39 AZP 90.62 TAL 170.41 TAP 69.51 RCA 96.61 APO 148.03 V2 34.796
 RC 166.847 GL 21.84 GP 2.15 ZAL 69.42 ZAP 168.23 ETS 10.04 ZAE 128.88 ETE 178.27 ZAC 74.84 ETC 165.48 CLP-168.43

PLANETOCENTRIC CONIC
 C3 17.009 VHL 4.124 DLA 20.69 RAL 352.61 RAD 6567.7 VEL 11.764 PTH 2.08 VHP 6.849 DPA -8.84 RAP 342.29 ECC 1.2799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 30 2883.80 -28.32 87.95 218.64 89.74 3 59 34 2283.8 -28.05 79.29
 90.00 21 4 39 4113.09 -2.76 167.13 211.98 61.81 22 13 13 3513.1 -6.51 160.46
 100.00 4 46 32 2577.38 -29.86 65.39 218.62 91.45 5 29 29 1977.4 -29.34 56.62
 100.00 22 12 19 3894.75 -1.41 150.33 211.23 60.14 23 17 14 3294.7 -5.38 143.79
 110.00 6 23 51 2272.92 -33.74 41.97 218.33 95.87 7 1 44 1672.9 -32.56 32.94
 110.00 22 51 29 3771.98 1.88 138.97 209.17 55.86 23 54 21 3172.0 -2.61 132.76

DIFFERENTIAL CORRECTIONS
 TDE 2.2972 TRA 1.3944 TC3-5.0000 BAU 1.1382 SGT 5610.9 SGR 403.1 SG3 215.3 ORBIT DETERMINATION ACCURACY
 RDE .2131 RRA -.1312 RC3 .2328 FAU .03090 RRT -.1108 RRF -.1298 RTF .9428 CRT .9244 CRS -.8706 CST -.9921
 FDE 1.0330 FRA 1.0581 FC3-1.5726 BSP 18000 SGB 5625.4 R23 .0250 R13 -.9428 LSA 3384.0 MSA 158.3 SSA 18.5
 BDE 2.3071 BRA 1.4005 BC3 5.0055 FSP -731 SGI 5611.1 SG2 400.6 THA 179.54 ELI 3265.6 EL2 114.7 ALF 4.91

LAUNCH DATE DEC 2 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.695 GAL 3.02 AZL 86.68 HCA 262.27 SMA 122.08 ECC .21436 INC 3.3164 V1 30.209
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.748 GAP 10.73 AZP 90.45 TAL 168.79 TAP 71.06 RCA 95.91 APO 148.25 V2 34.800
 RC 168.980 GL 21.25 GP 2.07 ZAL 66.80 ZAP 169.14 ETS 10.63 ZAE 128.82 ETE 178.34 ZAC 77.04 ETC 165.65 CLP-169.34

PLANETOCENTRIC CONIC
 C3 18.111 VHL 4.256 DLA 21.24 RAL 355.36 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 7.055 DPA -8.07 RAP 344.42 ECC 1.2981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 52 2922.51 -28.27 90.78 222.72 88.32 4 4 35 2322.5 -28.20 82.12
 90.00 21 22 16 4103.51 -3.07 166.60 215.82 61.84 22 30 40 3503.5 -6.82 159.91
 100.00 4 51 40 2613.61 -29.89 68.08 222.75 90.03 5 35 14 2013.6 -29.57 59.29
 100.00 22 29 9 3887.63 -1.65 149.94 215.03 60.15 23 33 57 3287.6 -5.61 143.39
 110.00 6 30 22 2304.83 -33.93 44.45 222.57 94.42 7 8 47 1704.8 -32.95 35.35
 110.00 23 6 57 3769.18 1.77 138.82 212.89 55.86 24 9 46 3169.2 -2.72 132.62

DIFFERENTIAL CORRECTIONS
 TDE 2.3881 TRA 1.6075 TC3-4.7333 BAU 1.1472 SGT 5653.3 SGR 406.0 SG3 207.0 ORBIT DETERMINATION ACCURACY
 RDE .2301 RRA -.1336 RC3 .2088 FAU .02871 RRT -.0734 RRF -.0918 RTF .9435 CRT .9204 CRS -.8676 CST -.9927
 FDE 1.0164 FRA 1.0956 FC3-1.3723 BSP 18194 SGB 5667.8 R23 .0222 R13 -.9435 LSA 3419.1 MSA 161.1 SSA 18.1
 BDE 2.3992 BRA 1.6130 BC3 4.7379 FSP -706 SGI 5653.4 SG2 404.9 THA 179.70 ELI 3304.8 EL2 122.8 ALF 5.04

LAUNCH DATE DEC 2 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.656 GAL 3.54 AZL 86.66 HCA 265.44 SMA 121.84 ECC .21890 INC 3.3388 V1 30.209
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.724 GAP 11.09 AZP 90.27 TAL 167.17 TAP 72.60 RCA 95.17 APO 148.51 V2 34.805
 RC 171.096 GL 20.61 GP 1.99 ZAL 64.22 ZAP 170.04 ETS 11.33 ZAE 128.77 ETE 178.41 ZAC 79.26 ETC 165.80 CLP-170.24

PLANETOCENTRIC CONIC
 C3 19.377 VHL 4.402 DLA 21.73 RAL 358.08 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 7.271 DPA -7.27 RAP 346.56 ECC 1.3189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 39 2960.45 -28.16 93.55 226.85 86.94 4 9 59 2360.4 -28.29 84.89
 90.00 21 39 13 4097.34 -3.27 166.25 219.69 61.86 22 47 30 3497.3 -7.01 159.57
 100.00 4 57 11 2649.17 -29.86 70.73 226.93 88.64 5 41 20 2049.2 -29.73 61.92
 100.00 22 45 22 3883.85 -1.78 149.73 218.87 60.16 23 50 6 3283.9 -5.74 143.18
 110.00 6 37 11 2336.32 -34.07 46.90 226.86 92.98 7 16 7 1736.3 -33.28 37.74
 110.00 23 21 51 3769.47 1.78 138.84 216.64 55.86 24 24 41 3169.5 -2.71 132.63

DIFFERENTIAL CORRECTIONS
 TDE 2.4792 TRA 1.8337 TC3-4.4532 BAU 1.1546 SGT 5690.8 SGR 408.2 SG3 199.1 ORBIT DETERMINATION ACCURACY
 RDE .2480 RRA -.1350 RC3 .1854 FAU .02661 RRT -.0362 RRF -.0537 RTF .9443 CRT .9165 CRS -.8650 CST -.9932
 FDE 1.0005 FRA 1.1324 FC3-1.1889 BSP 18367 SGB 5705.4 R23 .0194 R13 -.9444 LSA 3443.9 MSA 164.2 SSA 17.6
 BDE 2.4916 BRA 1.8387 BC3 4.4570 FSP -681 SGI 5690.8 SG2 407.9 THA 179.85 ELI 3333.4 EL2 130.6 ALF 5.18

LAUNCH DATE DEC 2 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.616 GAL 4.08 AZL 86.64 HCA 268.60 SMA 121.61 ECC .22383 INC 3.3609 V1 30.209
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.701 GAP 11.47 AZP 90.08 TAL 165.55 TAP 74.15 RCA 94.39 APO 148.83 V2 34.811
 RC 173.196 GL 19.94 GP 1.92 ZAL 61.71 ZAP 170.93 ETS 12.17 ZAE 128.74 ETE 178.47 ZAC 81.48 ETC 165.94 CLP-171.13

PLANETOCENTRIC CONIC
 C3 20.830 VHL 4.564 DLA 22.15 RAL 361.77 RAD 6567.8 VEL 11.925 PTH 2.12 VHP 7.501 DPA -6.45 RAP 348.70 ECC 1.3428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 50 2997.47 -28.00 96.25 231.00 85.60 4 15 48 2397.5 -28.32 87.60
 90.00 21 55 25 4094.76 -3.35 166.11 223.60 61.87 23 3 40 3494.8 -7.09 159.42
 100.00 5 3 5 2683.93 -29.78 73.31 231.13 87.28 5 47 49 2083.9 -29.84 64.50
 100.00 23 0 52 3883.53 -1.79 149.72 222.73 60.16 24 5 35 3283.5 -5.75 143.17
 110.00 6 44 17 2367.33 -34.15 49.31 231.18 91.55 7 23 44 1767.3 -33.56 40.12
 110.00 23 36 9 3772.90 1.92 139.02 220.42 55.86 24 39 2 3172.9 -2.58 132.81

DIFFERENTIAL CORRECTIONS
 TDE 2.5742 TRA 2.0771 TC3-4.1576 BAU 1.1587 SGT 5724.6 SGR 409.8 SG3 191.6 ORBIT DETERMINATION ACCURACY
 RDE .2670 RRA -.1351 RC3 .1628 FAU .02450 RRT .0016 RRF -.0147 RTF .9452 CRT .9128 CRS -.8626 CST -.9937
 FDE .9872 FRA 1.1711 FC3-1.0182 BSP 18439 SGB 5739.3 R23 -.0162 R13 .9452 LSA 3463.7 MSA 167.5 SSA 17.1
 BDE 2.5880 BRA 2.0815 BC3 4.1608 FSP -653 SGI 5724.6 SG2 409.8 THA .01 ELI 3356.4 EL2 138.1 ALF 5.31

LAUNCH DATE DEC 2 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 551.820

RL 147.48 LAL .00 LOL 69.61 VL 26.577 GAL 4.65 AZL 86.62 HCA 271.77 SMA 121.38 ECC .22919 INC 3.3830 V1 30.209
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.678 GAP 11.87 AZP 89.90 TAL 163.93 TAP 75.70 RCA 93.56 APO 149.20 V2 34.817
 RC 175.278 GL 19.24 GP 1.86 ZAL 59.26 ZAP 171.80 ETS 13.18 ZAE 128.70 ETE 178.54 ZAC 83.71 ETC 166.07 CLP-172.01

PLANETOCENTRIC CONIC

C3 22.495 VHL 4.743 OLA 22.52 RAL 3.39 RAD 6567.9 VEL 11.995 PTH 2.14 VHP 7.744 OPA -5.61 RAP 350.84 ECC 1.3702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 27 3033.44 -27.79 98.86 235.17 84.31 4 22 1 2433.4 -28.28 90.23
 90.00 22 10 46 4095.90 -3.32 166.17 227.52 61.86 23 19 2 3495.9 -7.05 159.48
 100.00 5 9 21 2717.82 -29.64 75.82 235.35 85.97 5 54 38 2117.8 -29.89 67.02
 100.00 23 15 34 3886.75 -1.68 149.89 226.61 60.15 24 20 21 3286.8 -5.64 143.35
 110.00 6 51 37 2397.83 -34.18 51.70 235.53 90.14 7 31 35 1797.8 -33.79 42.47
 110.00 23 49 46 3779.51 2.17 139.36 224.21 55.88 24 52 46 3179.5 -2.32 133.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6654 TRA 2.3311 TC3-3.8649 BAU 1.1631 SGT 5753.4 SGR 410.9 SG3 184.4 ST 3349.1 SR 350.7 SS 847.6
 RDE .2870 RRA -.1338 RC3 .1414 FAU .02258 RRT .0386 RRF .0231 RTF .9463 CRT .9093 CR5 -.8605 CST -.9942
 FDE .9724 FRA 1.2079 FC3 -.8688 BSP 18596 SGB 5768.1 R23 -.0136 R13 .9463 LSA 3468.2 MSA 170.9 SSA 16.5
 BDE 2.6808 BRA 2.3350 BC3 3.8674 FSP -631 SG1 5753.4 SG2 410.6 THA .16 EL1 3364.2 EL2 145.3 ALF 5.45

LAUNCH DATE DEC 2 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 557.284

RL 147.48 LAL .00 LOL 69.61 VL 26.538 GAL 5.25 AZL 86.59 HCA 274.94 SMA 121.15 ECC .23502 INC 3.4052 V1 30.209
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.657 GAP 12.29 AZP 89.71 TAL 162.33 TAP 77.26 RCA 92.68 APO 149.62 V2 34.824
 RC 177.341 GL 18.53 GP 1.80 ZAL 56.88 ZAP 172.66 ETS 14.43 ZAE 128.67 ETE 178.60 ZAC 85.95 ETC 166.18 CLP-172.88

PLANETOCENTRIC CONIC

C3 24.403 VHL 4.940 OLA 22.82 RAL 5.96 RAD 6568.0 VEL 12.074 PTH 2.16 VHP 8.002 OPA -4.75 RAP 352.98 ECC 1.4016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 37 31 3068.23 -27.52 101.37 239.35 83.07 4 28 39 2468.2 -28.20 92.77
 90.00 22 25 12 4100.87 -3.16 166.45 231.43 61.85 23 33 32 3500.9 -6.90 159.77
 100.00 5 15 58 2750.75 -29.46 78.25 239.58 84.70 6 1 49 2150.8 -29.88 69.47
 100.00 23 29 25 3893.58 -1.45 150.27 230.49 60.14 24 34 18 3293.6 -5.42 143.72
 110.00 6 59 12 2427.80 -34.16 54.04 239.90 88.75 7 39 40 1827.8 -33.86 44.80
 110.00 0 6 36 3789.30 2.54 139.87 227.99 55.90 1 9 46 3189.3 -1.95 133.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7569 TRA 2.6002 TC3-3.5711 BAU 1.1657 SGT 5777.4 SGR 411.3 SG3 177.4 ST 3346.6 SR 360.6 SS 834.4
 RDE .3079 RRA -.1311 RC3 .1212 FAU .02074 RRT .0756 RRF .0608 RTF .9477 CRT .9058 CR5 -.8585 CST -.9947
 FDE .9581 FRA 1.2449 FC3 -.7357 BSP 18736 SGB 5792.1 R23 -.0112 R13 .9477 LSA 3463.4 MSA 174.4 SSA 16.0
 BDE 2.7741 BRA 2.6035 BC3 3.5731 FSP -609 SG1 5777.5 SG2 410.1 THA .31 EL1 3362.5 EL2 152.1 ALF 5.59

LAUNCH DATE DEC 2 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 562.692

RL 147.48 LAL .00 LOL 69.61 VL 26.500 GAL 5.89 AZL 86.57 HCA 278.10 SMA 120.92 ECC .24136 INC 3.4276 V1 30.209
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.636 GAP 12.75 AZP 89.52 TAL 160.73 TAP 78.84 RCA 91.74 APO 150.11 V2 34.832
 RC 179.385 GL 17.80 GP 1.75 ZAL 54.58 ZAP 173.51 ETS 16.00 ZAE 128.64 ETE 178.66 ZAC 88.19 ETC 166.27 CLP-173.75

PLANETOCENTRIC CONIC

C3 26.590 VHL 5.157 OLA 23.07 RAL 8.46 RAD 6568.1 VEL 12.164 PTH 2.18 VHP 8.279 OPA -3.88 RAP 355.11 ECC 1.4376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 59 3101.77 -27.23 103.78 243.52 81.90 4 35 41 2501.8 -28.07 95.21
 90.00 22 38 38 4109.70 -2.87 166.94 235.33 61.82 23 47 8 3509.7 -6.62 160.27
 100.00 5 22 57 2782.69 -29.24 80.60 243.81 83.49 6 9 20 2182.7 -29.83 71.84
 100.00 23 42 22 3904.01 -1.10 150.84 234.35 60.13 24 47 26 3304.0 -5.07 144.30
 110.00 7 6 59 2457.23 -34.10 56.33 244.27 87.39 7 47 56 1857.2 -34.08 47.09
 110.00 0 18 45 3802.23 3.04 140.55 231.77 55.94 1 22 8 3202.2 -1.46 134.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8495 TRA 2.8860 TC3-3.2780 BAU 1.1659 SGT 5796.7 SGR 411.1 SG3 170.8 ST 3335.9 SR 369.4 SS 821.5
 RDE .3298 RRA -.1268 RC3 .1026 FAU .01896 RRT .1128 RRF .0987 RTF .9492 CRT .9024 CR5 -.8567 CST -.9951
 FDE .9451 FRA 1.2826 FC3 -.6172 BSP 18856 SGB 5811.3 R23 -.0089 R13 .9492 LSA 3450.8 MSA 177.7 SSA 15.5
 BDE 2.8686 BRA 2.8888 BC3 3.2796 FSP -587 SG1 5796.9 SG2 408.4 THA .46 EL1 3352.6 EL2 158.3 ALF 5.72

LAUNCH DATE DEC 2 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 568.038

RL 147.48 LAL .00 LOL 69.61 VL 26.462 GAL 6.56 AZL 86.55 HCA 281.28 SMA 120.70 ECC .24829 INC 3.4504 V1 30.209
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.617 GAP 13.23 AZP 89.32 TAL 159.15 TAP 80.42 RCA 90.73 APO 150.67 V2 34.840
 RC 181.409 GL 17.06 GP 1.70 ZAL 52.36 ZAP 174.36 ETS 18.04 ZAE 128.61 ETE 178.72 ZAC 90.44 ETC 166.34 CLP-174.62

PLANETOCENTRIC CONIC

C3 29.099 VHL 5.394 OLA 23.26 RAL 10.88 RAD 6568.2 VEL 12.267 PTH 2.21 VHP 8.575 OPA -2.99 RAP 357.24 ECC 1.4789
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 53 3133.99 -26.90 106.08 247.68 80.79 4 43 7 2534.0 -27.89 97.55
 90.00 22 51 4 4122.40 -2.46 167.65 239.21 61.78 23 59 46 3522.4 -6.22 160.98
 100.00 5 30 15 2813.60 -28.98 82.86 248.03 82.32 6 17 9 2213.6 -29.74 74.14
 100.00 23 54 23 3918.02 -1.62 151.61 238.19 60.11 24 59 41 3318.0 -4.60 145.07
 110.00 7 14 55 2486.14 -33.98 58.58 248.63 86.07 7 56 22 1886.1 -34.15 49.34
 110.00 0 30 8 3818.24 3.65 141.39 235.52 55.99 1 33 46 3218.2 -1.84 135.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9429 TRA 3.1892 TC3-2.9901 BAU 1.1637 SGT 5811.3 SGR 410.3 SG3 164.4 ST 3317.1 SR 376.9 SS 808.9
 RDE .3526 RRA -.1208 RC3 .0856 FAU .01725 RRT .1500 RRF .1365 RTF .9508 CRT .8992 CR5 -.8551 CST -.9956
 FDE .9329 FRA 1.3213 FC3 -.5132 BSP 18970 SGB 5825.8 R23 -.0069 R13 .9508 LSA 3430.3 MSA 180.9 SSA 14.9
 BDE 2.9639 BRA 3.1915 BC3 2.9914 FSP -567 SG1 5811.7 SG2 405.6 THA .61 EL1 3334.4 EL2 164.1 ALF 5.85

LAUNCH DATE DEC 2 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.424 GAL 7.28 AZL 86.53 HCA 284.45 SMA 120.49 ECC .25586 INC 3.4737 V1 30.209
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.598 GAP 13.75 AZP 89.13 TAL 157.59 TAP 82.03 RCA 89.66 APO 151.31 V2 34.849
 RC 183.413 GL 16.31 GP 1.65 ZAL 50.22 ZAP 175.19 ETS 20.80 ZAE 128.57 ETE 178.78 ZAC 92.68 ETC 166.39 CLP-175.49

DISTANCE 573.311

PLANETOCENTRIC CONIC
 C3 31.980 VHL 5.655 DLA 23.40 RAL 13.22 RAD 6568.3 VEL 12.384 PTH 2.24 VHP 8.893 DPA -2.09 RAP 359.36 ECC 1.5263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 11 3164.87 -26.54 108.27 251.83 79.75 4 50 56 2564.9 -27.69 99.79
 90.00 23 2 26 4138.92 -1.93 168.57 243.05 61.74 24 11 25 3538.9 -5.70 161.91
 100.00 5 37 52 2843.50 -28.69 85.03 252.24 81.21 6 25 15 2243.5 -29.60 76.35
 100.00 0 9 22 3935.52 -.03 192.57 241.99 60.11 1 14 58 3335.5 -4.01 146.04
 110.00 7 23 0 2514.54 -33.83 60.79 252.98 84.77 8 4 55 1914.5 -34.18 51.56
 110.00 0 40 43 3837.24 4.37 142.38 239.25 56.06 1 44 40 3237.2 -.12 136.17

DIFFERENTIAL CORRECTIONS
 TOE 3.0417 TRA 3.5150 TC3-2.7046 BAU 1.1567 SGT 5823.4 SGR 408.9 SG3 158.5 ST 3295.6 SR 383.1 SS 798.4
 RDE .3763 RRA -.1129 RC3 .0704 FAU .01553 RRT .1880 RRF .1752 RTF .9526 CRT .8960 CRS -.8538 CST -.9960
 FDE .9238 FRA 1.8629 FC3 -.4203 BSP 18988 SGB 5837.7 R23 -.0048 R13 .9526 LSA 3407.5 MSA 183.8 SSA 14.4
 BDE 3.0649 BRA 3.5168 BC3 2.7055 FSP -544 SG1 5823.9 SG2 401.6 THA .76 EL1 3313.5 EL2 169.2 ALF 5.96

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.387 GAL 3.05 AZL 86.50 HCA 287.62 SMA 120.27 ECC .26415 INC 3.4976 V1 30.209
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.580 GAP 14.31 AZP 88.94 TAL 156.05 TAP 83.67 RCA 88.50 APO 152.04 V2 34.858
 RC 185.393 GL 15.56 GP 1.61 ZAL 48.16 ZAP 176.02 ETS 24.72 ZAE 128.53 ETE 178.83 ZAC 94.92 ETC 166.42 CLP-176.36

DISTANCE 578.498

PLANETOCENTRIC CONIC
 C3 35.296 VHL 5.941 DLA 23.49 RAL 15.47 RAD 6568.4 VEL 12.517 PTH 2.27 VHP 9.236 DPA -1.18 RAP 1.48 ECC 1.5809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 51 3194.39 -26.17 110.35 255.96 78.77 4 59 6 2594.4 -27.45 101.92
 90.00 23 12 44 4159.16 -1.28 169.70 246.85 61.71 24 22 3 3559.2 -5.05 163.05
 100.00 5 45 44 2872.37 -28.37 87.12 256.42 80.16 6 33 36 2272.4 -29.44 78.48
 100.00 0 19 29 3956.41 .68 153.72 245.76 60.11 1 25 25 3356.4 -3.30 147.19
 110.00 7 31 11 2542.45 -33.64 62.94 257.30 83.51 8 13 34 1942.4 -34.17 53.74
 110.00 0 50 31 3859.10 5.20 143.53 242.95 56.17 1 54 50 3259.1 .72 137.31

DIFFERENTIAL CORRECTIONS
 TOE 3.1389 TRA 3.8576 TC3-2.4333 BAU 1.1485 SGT 5829.0 SGR 406.9 SG3 152.7 ST 3263.7 SR 387.8 SS 787.3
 RDE .4007 RRA -.1030 RC3 .0568 FAU .01394 RRT .2255 RRF .2131 RTF .9546 CRT .8928 CRS -.8526 CST -.9964
 FDE .9140 FRA 1.4042 FC3 -.3420 BSP 19082 SGB 5843.2 R23 -.0033 R13 .9546 LSA 3374.5 MSA 186.3 SSA 13.9
 BDE 3.1643 BRA 3.8590 BC3 2.4340 FSP -525 SG1 5829.7 SG2 396.4 THA .91 EL1 3282.1 EL2 173.7 ALF 6.07

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.351 GAL 8.86 AZL 86.48 HCA 290.80 SMA 120.06 ECC .27324 INC 3.5225 V1 30.209
 RP 108.68 LAP -3.29 LOP .44 VP 36.563 GAP 14.92 AZP 88.75 TAL 154.54 TAP 85.34 RCA 87.26 APO 152.87 V2 34.868
 RC 187.337 GL 14.82 GP 1.58 ZAL 46.20 ZAP 176.82 ETS 30.69 ZAE 128.48 ETE 178.89 ZAC 97.15 ETC 166.43 CLP-177.24

DISTANCE 583.585

PLANETOCENTRIC CONIC
 C3 39.122 VHL 6.255 DLA 23.53 RAL 17.63 RAD 6568.5 VEL 12.668 PTH 2.30 VHP 9.608 DPA -.27 RAP 3.58 ECC 1.6439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 51 3222.57 -25.78 112.32 260.05 77.86 5 7 34 2622.6 -27.19 103.94
 90.00 23 21 58 4182.99 -.51 171.03 250.59 61.69 24 31 41 3583.0 -4.29 164.39
 100.00 5 53 50 2900.25 -28.03 89.12 260.57 79.16 6 42 10 2300.2 -29.24 80.53
 100.00 0 28 37 3980.54 1.50 155.04 249.48 60.14 1 34 58 3380.5 -2.49 148.52
 110.00 7 39 26 2369.86 -33.40 65.05 261.59 82.28 8 22 16 1969.9 -34.11 55.88
 110.00 0 59 30 3883.69 6.13 144.83 246.60 56.30 2 4 14 3283.7 1.66 138.59

DIFFERENTIAL CORRECTIONS
 TOE 3.2396 TRA 4.2232 TC3-2.1724 BAU 1.1365 SGT 5830.5 SGR 404.4 SG3 147.1 ST 3227.3 SR 391.0 SS 777.6
 RDE .4258 RRA -.0909 RC3 .0451 FAU .01241 RRT .2633 RRF .2511 RTF .9569 CRT .8898 CRS -.8516 CST -.9968
 FDE .9062 FRA 1.4481 FC3 -.2745 BSP 19158 SGB 5844.5 R23 -.0020 R13 .9569 LSA 3337.3 MSA 188.3 SSA 13.4
 BDE 3.2674 BRA 4.2242 BC3 2.1728 FSP -507 SG1 5831.5 SG2 390.1 THA 1.05 EL1 3246.0 EL2 177.4 ALF 6.17

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.48 LAL .00 LOL 69.61 VL 26.315 GAL 9.74 AZL 86.45 HCA 293.97 SMA 119.86 ECC .28324 INC 3.5484 V1 30.209
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.547 GAP 15.58 AZP 88.56 TAL 153.07 TAP 87.04 RCA 85.91 APO 153.80 V2 34.878
 RC 189.297 GL 14.08 GP 1.54 ZAL 44.32 ZAP 177.58 ETS 40.67 ZAE 128.41 ETE 178.95 ZAC 99.36 ETC 166.42 CLP-178.14

DISTANCE 588.554

PLANETOCENTRIC CONIC
 C3 43.550 VHL 6.599 DLA 23.53 RAL 19.70 RAD 6568.7 VEL 12.842 PTH 2.34 VHP 10.012 DPA .64 RAP 5.67 ECC 1.7167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 9 3249.44 -25.38 114.19 264.11 77.00 5 16 18 2649.4 -26.92 105.86
 90.00 23 30 9 4210.22 .37 172.55 254.28 61.69 24 40 20 3610.2 -3.42 165.92
 100.00 6 2 6 2927.14 -27.67 91.04 264.67 78.21 6 50 54 2327.1 -29.01 82.49
 100.00 0 36 49 4007.75 2.42 156.53 253.14 60.20 1 43 36 3407.8 -1.57 150.01
 110.00 7 47 42 2596.79 -33.14 67.11 265.83 81.09 8 30 59 1996.8 -34.01 57.98
 110.00 1 7 43 3910.86 7.15 146.26 250.21 56.48 2 12 54 3310.9 2.70 140.01

DIFFERENTIAL CORRECTIONS
 TOE 3.3445 TRA 4.6138 TC3-1.9228 BAU 1.1197 SGT 5827.5 SGR 401.4 SG3 141.8 ST 3186.7 SR 392.7 SS 769.3
 RDE .4516 RRA -.0765 RC3 .0350 FAU .01090 RRT .3012 RRF .2893 RTF .9593 CRT .8869 CRS -.8508 CST -.9972
 FDE .9001 FRA 1.4945 FC3 -.2167 BSP 19213 SGB 5841.3 R23 -.0010 R13 .9593 LSA 3296.2 MSA 189.8 SSA 12.9
 BDE 3.3748 BRA 4.6145 BC3 1.9231 FSP -489 SG1 5828.8 SG2 382.7 THA 1.19 EL1 3205.8 EL2 180.3 ALF 6.26

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 2 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 393.383

RL 147.48 LAL .00 LOL 69.61 VL 26.279 GAL 10.68 AZL 86.42 HCA 297.15 SMA 119.66 ECC .29426 INC 3.5757 V1 30.209
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.532 GAP 16.30 AZP 88.37 TAL 151.63 TAP 88.79 RCA 84.44 APO 154.87 V2 34.889
 RC 191.216 GL 13.34 GP 1.51 ZAL 42.54 ZAP 178.21 ETS 58.92 ZAE 128.32 ETE 179.00 ZAC 101.56 ETC 166.38 CLP-179.05

PLANETOCENTRIC CONIC

C3 48.691 VHL 6.978 DLA 23.48 RAL 21.66 RAD 6568.8 VEL 13.040 PTH 2.38 VHP 10.453 DPA 1.55 RAP 7.75 ECC 1.8013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 30 41 3275.02 -24.98 115.95 268.12 76.20 5 25 16 2675.0 -26.63 107.68
 90.00 23 37 19 4240.65 1.35 174.25 257.89 61.71 24 47 59 3640.6 -2.44 167.62
 100.00 6 10 32 2953.06 -27.29 92.87 268.73 77.31 6 59 45 2353.1 -28.77 84.38
 100.00 0 44 4 4037.84 3.43 158.19 256.74 60.29 1 51 22 3437.8 -.55 151.66
 110.00 7 55 58 2623.23 -32.84 69.11 270.02 79.94 8 39 41 2023.2 -33.88 60.03
 110.00 1 15 8 3940.44 8.26 147.84 253.77 56.71 2 20 48 3340.4 3.82 141.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.4582 TRA 5.0351 TC3-1.6834 BAU 1.0960 SGT 5822.4 SGR 397.9 SG3 136.9 ST 3145.9 SR 392.9 SS 763.7
 ROE .4781 RRA -.0595 RC3 .0267 FAU .00938 RRT .3397 RRF .3280 RTF .9619 CRT .8843 CRS -.8505 CST -.9976
 FDE .8972 FRA 1.5452 FC3 -.1668 BSP 19187 SGB 5836.0 R23 -.0001 R13 .9619 LSA 3255.4 MSA 190.5 SSA 12.4
 BDE 3.4911 BRA 5.0355 BC3 1.6836 FSP -470 SG1 5824.0 SG2 374.2 THA 1.34 EL1 3165.0 EL2 182.3 ALF 6.32

LAUNCH DATE DEC 2 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 398.043

RL 147.48 LAL .00 LOL 69.61 VL 26.245 GAL 11.70 AZL 86.40 HCA 300.33 SMA 119.46 ECC .30645 INC 3.6046 V1 30.209
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.517 GAP 17.09 AZP 88.18 TAL 150.26 TAP 90.59 RCA 82.85 APO 156.07 V2 34.900
 RC 193.113 GL 12.62 GP 1.48 ZAL 40.86 ZAP 178.52 ETS 90.27 ZAE 128.22 ETE 179.06 ZAC 103.75 ETC 166.32 CLP-179.98

PLANETOCENTRIC CONIC

C3 54.688 VHL 7.395 DLA 23.39 RAL 23.53 RAD 6569.0 VEL 13.268 PTH 2.42 VHP 10.937 DPA 2.45 RAP 9.81 ECC 1.9000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 24 3299.33 -24.57 117.62 272.08 75.46 5 34 23 2699.3 -26.33 109.39
 90.00 23 43 27 4274.04 2.43 176.11 261.44 61.78 24 54 41 3674.0 -1.36 169.48
 100.00 6 19 3 2978.00 -26.91 94.63 272.72 76.47 7 8 41 2378.0 -28.50 86.19
 100.00 0 50 24 4070.60 4.54 159.99 260.27 60.42 1 58 15 3470.6 .57 153.46
 110.00 8 4 11 2649.12 -32.52 71.06 274.14 78.83 8 48 20 2049.1 -33.72 62.03
 110.00 1 21 46 3972.25 9.44 149.54 257.27 56.99 2 27 59 3372.2 5.03 143.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.5753 TRA 5.4825 TC3-1.4606 BAU 1.0679 SGT 5810.2 SGR 394.0 SG3 132.1 ST 3099.2 SR 391.6 SS 758.9
 ROE .5052 RRA -.0399 RC3 .0198 FAU .00794 RRT .3779 RRF .3663 RTF .9647 CRT .8819 CRS -.8503 CST -.9979
 FDE .8952 FRA 1.5986 FC3 -.1257 BSP 19215 SGB 5823.6 R23 .0003 R13 .9647 LSA 3209.1 MSA 190.5 SSA 11.9
 BDE 3.6108 BRA 5.4826 BC3 1.4607 FSP -453 SG1 5812.1 SG2 364.6 THA 1.47 EL1 3118.5 EL2 183.5 ALF 6.38

LAUNCH DATE DEC 2 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 602.499

RL 147.48 LAL .00 LOL 69.61 VL 26.211 GAL 12.81 AZL 86.36 HCA 303.52 SMA 119.27 ECC .31997 INC 3.6354 V1 30.209
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.504 GAP 17.96 AZP 87.99 TAL 148.94 TAP 92.46 RCA 81.11 APO 157.43 V2 34.912
 RC 194.989 GL 11.91 GP 1.45 ZAL 39.27 ZAP 178.27 ETS 124.20 ZAE 128.08 ETE 179.11 ZAC 105.90 ETC 166.24 CLP 179.07

PLANETOCENTRIC CONIC

C3 61.715 VHL 7.856 DLA 23.27 RAL 25.28 RAD 6569.2 VEL 13.530 PTH 2.47 VHP 11.471 DPA 3.35 RAP 11.85 ECC 2.0157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 15 3322.36 -24.17 119.19 275.96 74.78 5 43 37 2722.4 -26.03 111.01
 90.00 23 48 35 4310.16 3.59 178.13 264.90 61.89 25 0 26 3710.2 -.20 171.50
 100.00 6 27 38 3001.93 -26.52 96.30 276.64 75.67 7 17 40 2401.9 -28.23 87.91
 100.00 0 55 50 4105.82 5.72 161.94 263.72 60.61 2 4 15 3505.8 1.76 155.39
 110.00 8 12 19 2674.40 -32.17 72.95 278.17 77.76 8 56 53 2074.4 -33.52 63.98
 110.00 1 27 38 4006.11 10.69 151.36 260.70 57.34 2 34 24 3406.1 6.31 145.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.6993 TRA 5.9663 TC3-1.2520 BAU 1.0330 SGT 5795.2 SGR 389.5 SG3 127.5 ST 3049.9 SR 388.7 SS 756.4
 ROE .5329 RRA -.0173 RC3 .0144 FAU .00650 RRT .4160 RRF .4047 RTF .9676 CRT .8796 CRS -.8504 CST -.9982
 FDE .8957 FRA 1.6566 FC3 -.0911 BSP 19254 SGB 5808.3 R23 .0007 R13 .9676 LSA 3160.6 MSA 189.8 SSA 11.4
 BDE 3.7375 BRA 5.9663 BC3 1.2521 FSP -438 SG1 5797.5 SG2 354.1 THA 1.61 EL1 3069.1 EL2 183.7 ALF 6.42

LAUNCH DATE DEC 2 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 606.708

RL 147.48 LAL .00 LOL 69.61 VL 26.177 GAL 14.02 AZL 86.33 HCA 306.70 SMA 119.08 ECC .33501 INC 3.6687 V1 30.209
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.492 GAP 18.92 AZP 87.81 TAL 147.71 TAP 94.41 RCA 79.19 APO 158.98 V2 34.924
 RC 196.842 GL 11.20 GP 1.43 ZAL 37.79 ZAP 177.60 ETS 145.03 ZAE 127.91 ETE 179.17 ZAC 108.02 ETC 166.13 CLP 178.07

PLANETOCENTRIC CONIC

C3 69.995 VHL 8.366 DLA 23.10 RAL 26.92 RAD 6569.3 VEL 13.833 PTH 2.53 VHP 12.061 DPA 4.23 RAP 13.86 ECC 2.1519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 57 11 3344.07 -23.77 120.65 279.76 74.14 5 52 55 2744.1 -25.72 112.53
 90.00 23 52 45 4348.74 4.82 180.29 268.27 62.06 25 5 14 3748.7 1.05 173.65
 100.00 6 36 13 3024.77 -26.12 97.88 280.47 74.93 7 26 38 2424.8 -27.94 89.55
 100.00 1 0 21 4143.27 6.96 164.02 267.09 60.86 2 9 24 3543.3 3.03 157.45
 110.00 8 20 21 2698.99 -31.80 74.77 282.11 76.74 9 5 20 2099.0 -33.29 65.87
 110.00 1 32 42 4041.82 12.00 153.31 264.06 57.75 2 40 4 3441.8 7.66 146.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.8347 TRA 6.4884 TC3-1.0564 BAU .9886 SGT 5775.7 SGR 384.8 SG3 123.1 ST 3000.0 SR 384.3 SS 756.4
 ROE .5612 RRA .0085 RC3 .0103 FAU .00503 RRT .4543 RRF .4432 RTF .9706 CRT .8777 CRS -.8510 CST -.9985
 FDE .8992 FRA 1.7204 FC3 -.0622 BSP 19264 SGB 5788.5 R23 .0008 R13 .9706 LSA 3112.0 MSA 188.2 SSA 10.9
 BDE 3.8756 BRA 6.4884 BC3 1.0565 FSP -423 SG1 5778.3 SG2 342.6 THA 1.74 EL1 3019.0 EL2 183.0 ALF 6.44

LAUNCH DATE DEC 2 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 4 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.145 GAL 15.35 AZL 86.30 MCA 309.89 SMA 118.90 ECC .35181 INC 3.7048 V1 30.209
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.480 GAP 20.00 AZP 87.62 TAL 146.56 TAP 96.45 RCA 77.07 APO 160.73 V2 34.936
 RC 198.673 GL 10.51 GP 1.41 ZAL 36.42 ZAP 176.72 ETS 156.31 ZAE 127.69 ETE 179.22 ZAC 110.10 ETC 166.00 CLP 177.04

Distance 610.611

Planeto-centric Conic
 C3 79.813 VHL 8.934 DLA 22.90 RAL 28.45 RAD 6569.6 VEL 14.183 PTH 2.58 VHP 12.718 DPA 5.10 RAP 15.84 ECC 2.3135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 9 3364.40 -23.39 122.02 283.46 73.56 6 2 14 2764.4 -25.42 113.94
 90.00 23 55 57 4389.54 6.12 182.59 271.53 62.30 25 9 6 3789.5 2.36 175.93
 100.00 6 44 46 3046.44 -25.73 99.37 284.20 74.24 7 35 32 2446.4 -27.64 91.09
 100.00 1 3 57 4182.74 8.27 166.23 270.37 61.17 2 13 40 3582.7 4.36 159.62
 110.00 8 28 14 2722.73 -31.42 76.52 285.93 75.77 9 13 37 2122.7 -33.05 67.67
 110.00 1 36 58 4079.21 13.35 155.36 267.35 58.24 2 44 57 3479.2 9.05 148.90

Differential Corrections
 TDE 3.9861 TRA 7.0577 TC3 -.8731 BAU .9317
 RDE .5903 RRA .0379 RC3 .0074 FAU .00347
 FDE .9070 FRA 1.7918 FC3 -.0377 BSP 19176
 BDE 4.0295 BRA 7.0578 BC3 .8732 FSP -406

Mid-Course Execution Accuracy
 SGT 5754.2 SGR 379.7 SG3 119.1
 RRT .4929 RRF .4821 RTF .9737
 SGB 5766.8 R23 .0007 R13 .9737
 SGI 5757.3 SG2 330.2 THA 1.87

Orbit Determination Accuracy
 ST 2951.3 SR 378.6 SS 760.0
 CRT .8764 CRS -.8521 CST -.9987
 LSA 3065.4 MSA 185.7 SSA 10.4
 EL1 2970.0 EL2 181.2 ALF 6.44

LAUNCH DATE DEC 2 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 6 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.114 GAL 16.81 AZL 86.26 MCA 313.08 SMA 118.73 ECC .37063 INC 3.7445 V1 30.209
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.470 GAP 21.20 AZP 87.44 TAL 145.53 TAP 98.61 RCA 74.73 APO 162.73 V2 34.948
 RC 200.481 GL 9.83 GP 1.39 ZAL 35.17 ZAP 175.73 ETS 162.94 ZAE 127.43 ETE 179.27 ZAC 112.13 ETC 165.84 CLP 175.96

Distance 614.135

Planeto-centric Conic
 C3 91.535 VHL 9.567 DLA 22.65 RAL 29.84 RAD 6569.8 VEL 14.590 PTH 2.65 VHP 13.454 DPA 5.94 RAP 17.78 ECC 2.5064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 15 6 3383.19 -23.02 123.27 287.03 73.04 6 11 29 2783.2 -25.13 113.24
 90.00 0 2 5 4432.33 7.47 185.01 274.69 62.61 1 15 57 3832.3 3.74 178.32
 100.00 6 53 18 3066.75 -25.35 100.76 287.80 73.60 7 44 21 2466.7 -27.35 92.53
 100.00 1 6 37 4224.00 9.61 168.55 273.54 61.56 2 17 1 3624.0 5.74 161.91
 110.00 8 35 57 2745.44 -31.02 78.17 289.61 74.87 9 21 42 2145.4 -32.79 69.39
 110.00 1 40 25 4118.07 14.73 157.53 270.54 58.80 2 49 3 3518.1 10.49 150.99

Differential Corrections
 TDE 4.1485 TRA 7.6726 TC3 -.7057 BAU .8636
 RDE .6200 RRA .0710 RC3 .0055 FAU .00189
 FDE .9172 FRA 1.8699 FC3 -.0179 BSP 19188
 BDE 4.1945 BRA 7.6729 BC3 .7057 FSP -393

Mid-Course Execution Accuracy
 SGT 5725.9 SGR 374.3 SG3 115.1
 RRT .5308 RRF .5204 RTF .9768
 SGB 5738.1 R23 .0003 R13 .9768
 SGI 5729.3 SG2 317.0 THA 1.99

Orbit Determination Accuracy
 ST 2899.1 SR 371.5 SS 766.0
 CRT .8755 CRS -.8535 CST -.9990
 LSA 3016.0 MSA 182.3 SSA 9.9
 EL1 2917.4 EL2 178.4 ALF 6.43

LAUNCH DATE DEC 2 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 8 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.085 GAL 18.43 AZL 86.21 MCA 316.27 SMA 118.57 ECC .39180 INC 3.7886 V1 30.209
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.461 GAP 22.56 AZP 87.26 TAL 144.63 TAP 100.90 RCA 72.11 APO 165.02 V2 34.961
 RC 202.264 GL 9.15 GP 1.37 ZAL 34.04 ZAP 174.63 ETS 167.23 ZAE 127.09 ETE 179.33 ZAC 114.10 ETC 165.66 CLP 174.81

Distance 617.185

Planeto-centric Conic
 C3 105.640 VHL 10.278 DLA 22.37 RAL 31.11 RAD 6570.0 VEL 15.066 PTH 2.71 VHP 14.282 DPA 6.75 RAP 19.67 ECC 2.7386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 59 3400.26 -22.68 124.41 290.46 72.57 6 20 40 2800.3 -24.85 116.41
 90.00 0 3 16 4476.86 8.85 187.55 277.71 62.99 1 17 53 3876.9 5.16 180.82
 100.00 7 1 36 3085.50 -24.98 102.03 291.24 73.03 7 53 2 2485.5 -27.07 93.85
 100.00 1 8 20 4266.86 10.99 170.99 276.58 62.03 2 19 27 3666.9 7.17 164.29
 110.00 8 43 27 2766.89 -30.63 79.72 293.13 74.03 9 29 34 2166.9 -32.51 71.01
 110.00 1 42 59 4158.22 16.13 159.79 273.62 59.45 2 52 17 3558.2 11.96 153.17

Differential Corrections
 TDE 4.3300 TRA 8.3449 TC3 -.5514 BAU .7788
 RDE .6506 RRA .1083 RC3 .0046 FAU .00017
 FDE .9321 FRA 1.9578 FC3 -.0014 BSP 19170
 BDE 4.3786 BRA 8.3456 BC3 .5514 FSP -380

Mid-Course Execution Accuracy
 SGT 5693.6 SGR 368.6 SG3 111.4
 RRT .5685 RRF .5585 RTF .9799
 SGB 5705.5 R23 -.0002 R13 .9799
 SGI 5697.4 SG2 303.0 THA 2.11

Orbit Determination Accuracy
 ST 2846.9 SR 363.2 SS 775.9
 CRT .8752 CRS -.8555 CST -.9992
 LSA 2967.7 MSA 178.0 SSA 9.3
 EL1 2864.7 EL2 174.6 ALF 6.39

LAUNCH DATE DEC 2 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 10 1966

Heliocentric Conic
 RL 147.48 LAL .00 LOL 69.61 VL 26.056 GAL 20.25 AZL 86.16 MCA 319.47 SMA 118.41 ECC .41573 INC 3.8382 V1 30.209
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.453 GAP 24.11 AZP 87.08 TAL 143.90 TAP 103.36 RCA 69.18 APO 167.64 V2 34.974
 RC 204.023 GL 8.49 GP 1.35 ZAL 33.05 ZAP 173.44 ETS 170.22 ZAE 126.68 ETE 179.38 ZAC 115.99 ETC 165.45 CLP 173.58

Distance 619.634

Planeto-centric Conic
 C3 122.760 VHL 11.080 DLA 22.04 RAL 32.22 RAD 6570.3 VEL 15.624 PTH 2.78 VHP 15.221 DPA 7.53 RAP 21.49 ECC 3.0203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 48 3415.34 -22.36 125.40 293.72 72.16 6 29 41 2815.3 -24.60 117.44
 90.00 0 3 24 4522.94 10.27 190.20 280.58 63.46 1 18 47 3922.9 6.62 183.42
 100.00 7 9 49 3102.40 -24.64 103.17 294.51 72.52 8 1 31 2502.4 -26.80 95.04
 100.00 1 9 2 4311.12 12.39 173.53 279.47 62.58 2 20 53 3711.1 8.62 166.77
 110.00 8 50 42 2786.79 -30.25 81.15 296.46 73.26 9 37 8 2186.8 -32.24 72.50
 110.00 1 44 38 4199.50 17.55 162.16 276.57 60.18 2 54 38 3599.5 13.45 155.44

Differential Corrections
 TDE 4.5348 TRA 9.0832 TC3 -.4101 BAU .6731
 RDE .6822 RRA .1503 RC3 .0045 FAU .00175
 FDE .9522 FRA 2.0573 FC3 .0123 BSP 19127
 BDE 4.5858 BRA 9.0844 BC3 .4101 FSP -368

Mid-Course Execution Accuracy
 SGT 5657.3 SGR 362.8 SG3 107.9
 RRT .6057 RRF .5963 RTF .9829
 SGB 5669.0 R23 -.0007 R13 .9829
 SGI 5661.6 SG2 288.4 THA 2.23

Orbit Determination Accuracy
 ST 2794.9 SR 353.7 SS 790.2
 CRT .8756 CRS -.8582 CST -.9993
 LSA 2920.8 MSA 172.7 SSA 8.8
 EL1 2812.0 EL2 169.8 ALF 6.35

LAUNCH DATE DEC 3 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 11 1966

MELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.399 GAL -6.51 AZL 86.68 MCA 80.77 SMA 120.31 ECC .25125 INC 3.3219 V1 30.214
 RP 107.52 LAP 3.28 LOP 151.38 VP 36.953 GAP -13.24 AZP 89.47 TAL 200.31 TAP 281.08 RCA 90.08 APO 150.54 V2 35.244
 RC 45.858 GL 17.34 GP -1.45 ZAL 122.39 ZAP 5.07 ETS 15.40 ZAE 149.67 ETE 336.10 ZAC 62.52 ETC 161.97 CLP -4.86

PLANETOCENTRIC CONIC
 C3 25.994 VHL 5.098 OLA -1.82 RAL 304.61 RAD 6568.1 VEL 12.140 PTH 2.18 VHP 8.577 DPA -17.05 RAP 330.36 ECC 1.74278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 10 2221.61 -19.74 41.93 169.74 110.72 3 44 11 1621.6 -16.74 34.53
 90.00 14 38 10 4978.63 22.29 218.18 170.75 72.07 16 1 9 4378.6 19.63 210.52
 100.00 4 27 39 1961.95 -20.85 22.37 169.28 111.92 5 0 21 1362.0 -17.70 15.00
 100.00 16 0 22 4713.52 23.42 198.28 170.33 70.88 17 18 55 4113.5 20.60 190.62
 110.00 5 33 57 1754.41 -23.84 5.21 167.87 115.26 6 3 12 1154.4 -20.23 357.92
 110.00 17 10 33 4493.82 26.47 180.32 169.06 67.53 18 25 27 3893.8 23.19 172.70

DIFFERENTIAL CORRECTIONS
 TDE -.2396 TRA -.4333 TC3 .4383 BAU .1625 SGT 713.9 SGR 405.7 SG3 105.7 ST 306.7 SR 361.5 SS 319.2
 RDE -.3209 RRA .0737 RC3 -.1631 FAU .03367 RRT -.0608 RRF .0610 RTF -.6825 CRT .8425 CRS .9953 CST .8570
 FDE .3817 FRA -.0560 FC3-1.1213 BSP 2017 SGB 821.1 R23 .0001 R13 .6828 LSA 553.5 MSA 140.9 SSA 22.1
 BDE .4005 BRA .4396 BC3 .4676 FSP -263 SG1 714.5 SG2 404.6 THA 177.09 EL1 455.6 EL2 131.1 ALF 50.55

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 13 1966

MELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.610 GAL -6.52 AZL 86.66 MCA 84.01 SMA 121.54 ECC .24035 INC 3.3415 V1 30.214
 RP 107.54 LAP 3.32 LOP 154.63 VP 37.099 GAP -12.26 AZP 89.65 TAL 201.66 TAP 285.67 RCA 92.33 APO 150.75 V2 35.239
 RC 47.202 GL 18.11 GP -1.54 ZAL 123.80 ZAP 7.40 ETS 10.87 ZAE 148.59 ETE 337.01 ZAC 63.37 ETC 162.12 CLP -7.24

PLANETOCENTRIC CONIC
 C3 24.572 VHL 4.957 OLA -1.45 RAL 302.86 RAD 6568.0 VEL 12.081 PTH 2.16 VHP 8.040 DPA -16.86 RAP 331.25 ECC 1.4044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 25 2219.30 -19.68 41.78 167.15 110.78 3 34 24 1619.3 -16.68 34.39
 90.00 14 33 58 4953.19 21.75 216.52 167.92 71.40 15 56 31 4353.2 19.01 208.91
 100.00 4 18 5 1959.09 -20.78 22.19 166.69 111.99 4 50 44 1359.1 -17.61 14.82
 100.00 15 55 59 4688.63 22.86 196.64 167.50 70.19 17 14 8 4088.6 19.95 189.05
 110.00 5 24 47 1750.30 -23.72 4.95 165.30 115.37 5 53 57 1150.3 -20.10 357.67
 110.00 17 5 46 4470.18 25.84 178.77 166.21 66.80 18 20 17 3870.2 22.48 171.23

DIFFERENTIAL CORRECTIONS
 TDE -.2439 TRA -.4106 TC3 .4898 BAU .1709 SGT 735.3 SGR 405.8 SG3 119.5 ST 316.2 SR 359.3 SS 344.9
 RDE -.3102 RRA .0663 RC3 -.1753 FAU .03686 RRT -.0660 RRF .0674 RTF -.6976 CRT .8602 CRS .9957 CST .8590
 FDE .4272 FRA -.0996 FC3-1.2985 BSP 2098 SGB 839.8 R23 -.0014 R13 .6979 LSA 572.7 MSA 139.9 SSA 23.0
 BDE .3946 BRA .4159 BC3 .5202 FSP -303 SG1 736.0 SG2 404.5 THA 177.01 EL1 461.9 EL2 125.4 ALF 49.24

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 15 1966

MELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.800 GAL -6.53 AZL 86.64 MCA 87.26 SMA 122.68 ECC .23067 INC 3.3609 V1 30.214
 RP 107.55 LAP 3.36 LOP 157.88 VP 37.230 GAP -11.33 AZP 89.84 TAL 203.02 TAP 290.27 RCA 94.38 APO 150.98 V2 35.234
 RC 48.656 GL 18.82 GP -1.65 ZAL 125.17 ZAP 9.85 ETS 8.50 ZAE 147.76 ETE 337.74 ZAC 64.15 ETC 162.25 CLP -9.71

PLANETOCENTRIC CONIC
 C3 23.401 VHL 4.837 OLA -1.11 RAL 301.16 RAD 6568.0 VEL 12.032 PTH 2.15 VHP 7.533 DPA -16.70 RAP 332.05 ECC 1.3851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 6 2218.03 -19.65 41.70 164.72 110.81 3 25 4 1618.0 -16.65 34.31
 90.00 14 29 45 4930.54 21.25 215.04 165.29 70.83 15 51 56 4330.5 18.44 207.50
 100.00 4 8 56 1957.29 -20.73 22.07 164.27 112.03 4 41 33 1357.3 -17.56 14.71
 100.00 15 51 37 4666.50 22.34 195.20 164.87 69.61 17 9 23 4066.5 19.36 187.67
 110.00 5 16 0 1747.36 -23.63 4.76 162.90 115.45 5 45 7 1147.4 -20.01 357.50
 110.00 17 1 2 4449.20 25.27 177.41 163.57 66.18 18 15 11 3849.2 21.83 169.94

DIFFERENTIAL CORRECTIONS
 TDE -.2482 TRA -.3881 TC3 .5392 BAU .1785 SGT 754.9 SGR 404.9 SG3 135.4 ST 325.1 SR 356.1 SS 372.4
 RDE -.3001 RRA .0593 RC3 -.1869 FAU .04051 RRT -.0723 RRF .0751 RTF -.7110 CRT .8767 CRS .9952 CST .8616
 FDE .4796 FRA -.1506 FC3-1.4985 BSP 2175 SGB 856.7 R23 -.0031 R13 .7114 LSA 592.6 MSA 139.5 SSA 23.8
 BDE .3894 BRA .3926 BC3 .5706 FSP -350 SG1 755.7 SG2 403.4 THA 176.89 EL1 467.2 EL2 119.2 ALF 47.98

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 17 1966

MELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.970 GAL -6.55 AZL 86.62 MCA 90.50 SMA 123.73 ECC .22212 INC 3.3802 V1 30.214
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.347 GAP -10.44 AZP 90.03 TAL 204.37 TAP 294.87 RCA 96.24 APO 151.21 V2 35.227
 RC 50.208 GL 19.48 GP -1.77 ZAL 126.48 ZAP 12.41 ETS 7.07 ZAE 147.17 ETE 338.30 ZAC 64.82 ETC 162.34 CLP -12.29

PLANETOCENTRIC CONIC
 C3 22.439 VHL 4.737 OLA -.79 RAL 299.54 RAD 6567.9 VEL 11.992 PTH 2.14 VHP 7.053 DPA -16.59 RAP 332.74 ECC 1.3693
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 16 2217.67 -19.64 41.68 162.49 110.81 3 16 14 1617.7 -16.64 34.29
 90.00 14 25 39 4910.45 20.79 213.75 162.88 70.33 15 47 29 4310.4 17.92 206.25
 100.00 4 0 15 1956.47 -20.71 22.02 162.04 112.05 4 32 51 1356.5 -17.54 14.66
 100.00 15 47 21 4646.89 21.87 193.94 162.45 69.10 17 4 48 4046.9 18.83 186.46
 110.00 5 7 39 1745.47 -23.58 4.64 160.68 115.50 5 36 44 1145.5 -19.95 357.38
 110.00 16 56 26 4430.65 24.76 176.21 161.14 65.64 18 10 17 3830.6 21.26 168.81

DIFFERENTIAL CORRECTIONS
 TDE -.2521 TRA -.3662 TC3 .5843 BAU .1851 SGT 771.8 SGR 403.2 SG3 153.5 ST 333.0 SR 351.8 SS 402.0
 RDE -.2904 RRA .0525 RC3 -.1978 FAU .04468 RRT -.0797 RRF .0843 RTF -.7224 CRT .8917 CRS .9940 CST .8646
 FDE .5402 FRA -.2099 FC3-1.7238 BSP 2245 SGB 870.8 R23 -.0034 R13 .7229 LSA 613.4 MSA 139.7 SSA 24.4
 BDE .3846 BRA .3699 BC3 .6169 FSP -404 SG1 772.7 SG2 401.4 THA 176.73 EL1 471.2 EL2 112.6 ALF 46.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC

DISTANCE 209.483

RL 147.46 LAL .00 LOL 70.62 VL 27.122 GAL -6.58 AZL 86.60 MCA 93.74 SMA 124.68 ECC .21460 INC 3.3994 V1 30.214
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.450 GAP -9.60 AZP 90.22 TAL 205.69 TAP 299.43 RCA 97.93 APO 151.44 V2 35.220
 RC 51.850 GL 20.08 GP -1.91 ZAL 127.70 ZAP 15.10 ETS 6.11 ZAE 146.85 ETE 338.68 ZAC 65.38 ETC 162.40 CLP -14.98

PLANETOCENTRIC CONIC

C3 21.650 VHL 4.653 DLA -.49 RAL 298.01 RAD 6567.9 VEL 11.959 PTH 2.13 VHP 6.602 DPA -16.53 RAP 333.33 ECC 1.3563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 58 2218.15 -19.66 41.71 160.44 110.80 3 7 56 1618.2 -16.65 34.32
 90.00 14 21 43 4892.64 20.38 212.60 160.68 69.90 15 43 16 4292.6 17.46 205.14
 100.00 3 52 5 1956.51 -20.71 22.02 159.99 112.05 4 24 41 1356.5 -17.54 14.67
 100.00 15 43 17 4629.52 21.44 192.82 160.25 68.66 17 0 27 4029.5 18.35 185.39
 110.00 4 59 48 1744.53 -23.55 4.59 158.65 115.53 5 28 53 1144.5 -19.92 357.33
 110.00 16 52 3 4414.27 24.29 175.16 158.93 65.18 18 5 38 3814.3 20.74 167.82

DIFFERENTIAL CORRECTIONS

TDE -.2555 TRA -.3455 TC3 .6237 BAU .1903
 ROE -.2809 RRA .0461 RC3 -.2082 FAU .04944
 FDE .6106 FRA -.2783 FC3-1.9771 BSP 2300
 BDE .3798 BRA .3486 BC3 .6576 FSP -467

MID-COURSE EXECUTION ACCURACY

SGT 785.5 SGR 400.6 SG3 174.3
 RRT -.0883 RRF .0953 RTF -.7314
 SGB 881.7 R23 -.0083 R13 .7320
 SG1 786.5 SG2 398.4 THA 176.53

ORBIT DETERMINATION ACCURACY

ST 340.0 SR 346.4 SS 434.0
 CRT .9049 CRS .9923 CST .8675
 LSA 635.3 MSA 140.7 SSA 24.7
 EL1 473.7 EL2 105.8 ALF 45.59

LAUNCH DATE DEC 3 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC

DISTANCE 216.249

RL 147.46 LAL .00 LOL 70.62 VL 27.258 GAL -6.61 AZL 86.58 MCA 96.98 SMA 125.55 ECC .20801 INC 3.4188 V1 30.214
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.541 GAP -8.79 AZP 90.42 TAL 206.97 TAP 303.95 RCA 99.44 APO 151.67 V2 35.212
 RC 53.572 GL 20.63 GP -2.06 ZAL 128.83 ZAP 17.92 ETS 5.42 ZAE 146.79 ETE 338.89 ZAC 65.82 ETC 162.43 CLP -17.81

PLANETOCENTRIC CONIC

C3 21.004 VHL 4.583 DLA -.22 RAL 296.58 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 6.177 DPA -16.53 RAP 333.79 ECC 1.3457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 14 2219.38 -19.68 41.79 158.58 110.78 3 0 13 1619.4 -16.68 34.40
 90.00 14 18 4 4876.83 20.01 211.59 158.69 69.53 15 39 20 4276.8 17.04 204.17
 100.00 3 44 29 1957.32 -20.73 22.08 158.14 112.03 4 17 6 1357.3 -17.56 14.72
 100.00 15 39 30 4614.12 21.06 191.84 158.25 68.28 16 56 24 4014.1 17.92 184.45
 110.00 4 52 29 1744.43 -23.54 4.58 156.81 115.53 5 21 34 1144.4 -19.91 357.32
 110.00 16 47 59 4399.78 23.88 174.25 156.93 64.78 18 1 18 3799.8 20.28 166.95

DIFFERENTIAL CORRECTIONS

TDE -.2580 TRA -.3263 TC3 .6563 BAU .1942
 ROE -.2715 RRA .0400 RC3 -.2182 FAU .05488
 FDE .6922 FRA -.3569 FC3-2.2620 BSP 2339
 BDE .3745 BRA .3288 BC3 .6916 FSP -538

MID-COURSE EXECUTION ACCURACY

SGT 795.2 SGR 397.1 SG3 197.9
 RRT -.0989 RRF .1085 RTF -.7380
 SGB 888.8 R23 -.0117 R13 .7388
 SG1 796.5 SG2 394.5 THA 176.25

ORBIT DETERMINATION ACCURACY

ST 345.4 SR 339.8 SS 468.5
 CRT .9160 CRS .9901 CST .8700
 LSA 658.3 MSA 142.5 SSA 24.8
 EL1 474.2 EL2 99.3 ALF 44.48

LAUNCH DATE DEC 3 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC

DISTANCE 222.995

RL 147.46 LAL .00 LOL 70.62 VL 27.378 GAL -6.63 AZL 86.56 MCA 100.22 SMA 126.34 ECC .20226 INC 3.4385 V1 30.214
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.621 GAP -8.01 AZP 90.61 TAL 208.19 TAP 308.41 RCA 100.79 APO 151.89 V2 35.204
 RC 55.368 GL 21.13 GP -2.23 ZAL 129.85 ZAP 20.90 ETS 4.90 ZAE 147.01 ETE 338.92 ZAC 66.12 ETC 162.41 CLP -20.79

PLANETOCENTRIC CONIC

C3 20.475 VHL 4.525 DLA .04 RAL 295.26 RAD 6567.8 VEL 11.910 PTH 2.12 VHP 5.778 DPA -16.60 RAP 334.10 ECC 1.3370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 5 2221.29 -19.73 41.91 156.92 110.73 2 53 6 1621.3 -16.73 34.51
 90.00 14 14 44 4862.71 19.67 210.69 156.90 69.21 15 35 47 4262.7 16.66 203.31
 100.00 3 37 26 1958.84 -20.77 22.17 156.48 111.99 4 10 5 1358.8 -17.61 14.81
 100.00 15 36 3 4600.38 20.71 190.97 156.46 67.95 16 52 44 4000.4 17.54 183.61
 110.00 4 45 44 1745.09 -23.56 4.62 155.16 115.51 5 14 49 1145.1 -19.93 357.36
 110.00 16 44 15 4386.91 23.50 173.44 155.13 64.43 17 57 22 3786.9 19.86 166.18

DIFFERENTIAL CORRECTIONS

TDE -.2575 TRA -.3076 TC3 .6831 BAU .1971
 ROE -.2619 RRA .0340 RC3 -.2279 FAU .06115
 FDE .7845 FRA -.4488 FC3-2.5857 BSP 2397
 BDE .3672 BRA .3095 BC3 .7202 FSP -625

MID-COURSE EXECUTION ACCURACY

SGT 800.1 SGR 392.9 SG3 225.1
 RRT -.1151 RRF .1258 RTF -.7433
 SGB 891.4 R23 -.0138 R13 .7443
 SG1 801.8 SG2 389.5 THA 175.76

ORBIT DETERMINATION ACCURACY

ST 346.8 SR 331.9 SS 504.4
 CRT .9250 CRS .9876 CST .8711
 LSA 680.7 MSA 144.6 SSA 24.8
 EL1 471.0 EL2 92.8 ALF 43.64

LAUNCH DATE DEC 3 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 229.719

RL 147.46 LAL .00 LOL 70.62 VL 27.484 GAL -6.66 AZL 86.54 MCA 103.46 SMA 127.04 ECC .19726 INC 3.4586 V1 30.214
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.690 GAP -7.28 AZP 90.81 TAL 209.33 TAP 312.78 RCA 101.98 APO 152.10 V2 35.195
 RC 57.230 GL 21.58 GP -2.42 ZAL 130.77 ZAP 24.05 ETS 4.49 ZAE 147.51 ETE 338.73 ZAC 66.26 ETC 162.35 CLP -23.94

PLANETOCENTRIC CONIC

C3 20.042 VHL 4.477 DLA .29 RAL 294.07 RAD 6567.8 VEL 11.892 PTH 2.11 VHP 5.404 DPA -16.75 RAP 334.26 ECC 1.3298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 30 2223.83 -19.79 42.07 155.44 110.67 2 46 34 1623.8 -16.80 34.67
 90.00 14 11 48 4849.96 19.36 209.89 155.30 68.92 15 32 38 4250.0 16.32 202.53
 100.00 3 30 58 1961.01 -20.83 22.31 155.01 111.94 4 3 39 1361.0 -17.67 14.94
 100.00 15 33 1 4588.01 20.39 190.19 154.87 67.66 16 49 29 3988.0 17.18 182.86
 110.00 4 39 32 1746.43 -23.60 4.71 153.69 115.47 5 8 38 1146.4 -19.98 357.44
 110.00 16 40 57 4375.35 23.16 172.71 153.53 64.12 17 53 53 3775.4 19.49 165.50

DIFFERENTIAL CORRECTIONS

TDE -.2566 TRA -.2928 TC3 .6970 BAU .1973
 ROE -.2519 RRA .0283 RC3 -.2375 FAU .06821
 FDE .8927 FRA -.5516 FC3-2.9464 BSP 2395
 BDE .3596 BRA .2942 BC3 .7364 FSP -720

MID-COURSE EXECUTION ACCURACY

SGT 798.6 SGR 387.9 SG3 255.8
 RRT -.1303 RRF .1455 RTF -.7432
 SGB 887.9 R23 -.0198 R13 .7446
 SG1 800.7 SG2 383.6 THA 175.30

ORBIT DETERMINATION ACCURACY

ST 347.7 SR 322.6 SS 543.8
 CRT .9321 CRS .9850 CST .8716
 LSA 705.9 MSA 147.5 SSA 24.5
 EL1 466.2 EL2 87.2 ALF 42.71

LAUNCH DATE DEC 3 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 236.419

RL 147.46 LAL .00 LOL 70.62 VL 27.577 GAL -6.68 AZL 86.52 HCA 106.69 SMA 127.67 ECC .19293 INC 3.4792 V1 30.214
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.749 GAP -6.57 AZP 91.00 TAL 210.38 TAP 317.07 RCA 103.04 APO 152.30 V2 35.186
 RC 59.152 GL 22.00 GP -2.64 ZAL 131.57 ZAP 27.39 ETS 4.14 ZAE 148.30 ETE 338.30 ZAC 66.22 ETC 162.24 CLP -27.27

PLANETOCENTRIC CONIC

C3 19.686 VHL 4.437 DLA .53 RAL 293.01 RAD 6567.8 VEL 11.877 PTH 2.11 VHP 5.057 DPA -16.99 RAP 334.23 ECC 1.3240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 29 2226.96 -19.87 42.27 154.14 110.60 2 40 36 1627.0 -16.89 34.86
 90.00 14 9 19 4838.31 19.07 209.15 153.90 68.66 15 29 58 4238.3 16.00 201.82
 100.00 3 25 4 1963.79 -20.90 22.49 153.71 111.87 3 57 48 1363.8 -17.75 15.11
 100.00 15 30 25 4576.71 20.10 189.48 153.46 69.40 16 46 42 3976.7 16.86 182.18
 110.00 4 33 52 1748.41 -23.66 4.83 152.41 115.42 5 3 1 1148.4 -20.04 357.56
 110.00 16 38 6 4364.85 22.84 172.06 152.12 63.85 17 50 51 3764.9 19.14 164.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2536 TRA -.2815 TC3 .6986 BAU .1950 SGT 789.8 SGR 382.2 SG3 290.5 ST 345.7 SR 311.9 SS 586.3
 RDE -.2414 RRA .0226 RC3 -.2472 FAU .07618 RRT -.1475 RRF .1691 RTF -.7380 CRT .9368 CRS .9824 CST .8703
 FDE 1.0174 FRA -.6676 FC3-3.3502 BSP 2361 SGB 877.4 R23 -.0285 R13 .7399 LSA 732.9 MSA 150.9 SSA 24.0
 BDE .3501 BRA .2824 BC3 .7411 FSP -829 SG1 792.4 SG2 376.8 THA 174.72 EL1 458.2 EL2 82.3 ALF 41.86

LAUNCH DATE DEC 3 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 243.093

RL 147.46 LAL .00 LOL 70.62 VL 27.658 GAL -6.69 AZL 86.50 HCA 109.93 SMA 128.22 ECC .18919 INC 3.5005 V1 30.214
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.799 GAP -5.89 AZP 91.19 TAL 211.33 TAP 321.25 RCA 103.96 APO 152.47 V2 35.176
 RC 61.127 GL 22.39 GP -2.88 ZAL 132.25 ZAP 30.94 ETS 3.83 ZAE 149.39 ETE 337.58 ZAC 65.99 ETC 162.06 CLP -30.82

PLANETOCENTRIC CONIC

C3 19.391 VHL 4.404 DLA .76 RAL 292.07 RAD 6567.8 VEL 11.865 PTH 2.10 VHP 4.734 DPA -17.32 RAP 334.01 ECC 1.3191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 59 2230.66 -19.96 42.50 153.02 110.52 2 35 10 1630.7 -16.98 35.09
 90.00 14 7 19 4827.47 18.80 208.47 152.67 68.43 15 27 46 4227.5 15.71 201.16
 100.00 3 19 41 1967.13 -20.98 22.70 152.59 111.79 3 52 28 1367.1 -17.84 15.31
 100.00 15 28 18 4566.22 19.82 188.82 152.23 67.16 16 44 24 3966.2 16.56 181.55
 110.00 4 28 45 1750.98 -23.74 4.99 151.29 115.35 4 57 56 1151.0 -20.12 357.71
 110.00 16 35 44 4355.14 22.55 171.46 150.88 63.60 17 48 19 3755.1 18.82 164.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2457 TRA -.2724 TC3 .6908 BAU .1911 SGT 773.3 SGR 376.3 SG3 330.0 ST 337.4 SR 299.7 SS 630.1
 RDE -.2302 RRA .0170 RC3 -.2575 FAU .08526 RRT -.1719 RRF .1993 RTF -.7285 CRT .9388 CRS .9796 CST .8654
 FDE 1.1567 FRA -.8002 FC3-3.8067 BSP 2333 SGB 860.0 R23 -.0376 R13 .7314 LSA 759.2 MSA 154.0 SSA 23.5
 BDE .3367 BRA .2729 BC3 .7372 FSP -959 SG1 776.8 SG2 369.1 THA 173.82 EL1 444.4 EL2 78.3 ALF 41.39

LAUNCH DATE DEC 3 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 249.741

RL 147.46 LAL .00 LOL 70.62 VL 27.727 GAL -6.70 AZL 86.48 HCA 113.16 SMA 128.70 ECC .18597 INC 3.5227 V1 30.214
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.840 GAP -5.24 AZP 91.39 TAL 212.17 TAP 325.33 RCA 104.76 APO 152.63 V2 35.166
 RC 63.151 GL 22.75 GP -3.15 ZAL 132.82 ZAP 34.72 ETS 3.54 ZAE 150.78 ETE 336.49 ZAC 65.55 ETC 161.81 CLP -34.60

PLANETOCENTRIC CONIC

C3 19.145 VHL 4.376 DLA 1.00 RAL 291.25 RAD 6567.8 VEL 11.854 PTH 2.10 VHP 4.437 DPA -17.76 RAP 333.57 ECC 1.3151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 0 2234.93 -20.06 42.77 152.06 110.42 2 30 15 1634.9 -17.10 35.35
 90.00 14 5 49 4817.17 18.54 207.83 151.60 68.21 15 26 6 4217.2 15.42 200.54
 100.00 3 14 49 1971.05 -21.08 22.95 151.64 111.70 3 47 40 1371.1 -17.95 15.55
 100.00 15 26 42 4556.27 19.56 188.20 151.16 66.93 16 42 38 3956.3 16.27 180.95
 110.00 4 24 7 1754.11 -23.83 5.19 150.35 115.27 4 53 21 1154.1 -20.23 357.90
 110.00 16 33 52 4345.98 22.27 170.89 149.81 63.37 17 46 18 3746.0 18.52 163.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2360 TRA -.2696 TC3 .6639 BAU .1833 SGT 746.8 SGR 370.0 SG3 373.7 ST 327.2 SR 285.7 SS 678.0
 RDE -.2181 RRA .0114 RC3 -.2683 FAU .09524 RRT -.1933 RRF .2335 RTF -.7077 CRT .9378 CRS .9770 CST .8572
 FDE 1.3178 FRA -.9441 FC3-4.3065 BSP 2219 SGB 833.5 R23 -.0559 R13 .7124 LSA 789.3 MSA 157.6 SSA 22.7
 BDE .3214 BRA .2699 BC3 .7160 FSP -1097 SG1 751.3 SG2 360.9 THA 172.88 EL1 427.7 EL2 75.9 ALF 40.87

LAUNCH DATE DEC 3 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 256.361

RL 147.46 LAL .00 LOL 70.62 VL 27.787 GAL -6.71 AZL 86.45 HCA 116.39 SMA 129.11 ECC .18320 INC 3.5459 V1 30.214
 RP 107.80 LAP 3.18 LOP 187.05 VP 37.873 GAP -4.62 AZP 91.58 TAL 212.90 TAP 329.28 RCA 105.46 APO 152.76 V2 35.155
 RC 65.219 GL 23.09 GP -3.45 ZAL 133.28 ZAP 38.75 ETS 3.25 ZAE 152.46 ETE 334.92 ZAC 64.89 ETC 161.48 CLP -38.62

PLANETOCENTRIC CONIC

C3 18.937 VHL 4.352 DLA 1.24 RAL 290.57 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 4.166 DPA -18.31 RAP 332.90 ECC 1.3117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 29 2239.79 -20.17 43.08 151.25 110.30 2 25 49 1639.8 -17.23 35.65
 90.00 14 4 51 4807.16 18.29 207.20 150.69 68.00 15 24 58 4207.2 15.14 199.94
 100.00 3 10 24 1975.55 -21.20 23.23 150.84 111.59 3 43 20 1375.6 -18.08 15.83
 100.00 15 25 37 4546.62 19.30 187.60 150.25 66.72 16 41 23 3946.6 15.98 180.37
 110.00 4 19 58 1757.81 -23.93 5.42 149.55 115.17 4 49 16 1157.8 -20.34 358.12
 110.00 16 32 32 4337.13 22.00 170.35 148.90 63.15 17 44 49 3737.1 18.22 163.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2216 TRA -.2719 TC3 .6209 BAU .1725 SGT 710.9 SGR 363.8 SG3 422.1 ST 311.4 SR 270.0 SS 728.2
 RDE -.2050 RRA .0058 RC3 -.2802 FAU .10625 RRT -.2155 RRF .2744 RTF -.6739 CRT .9324 CRS .9743 CST .8424
 FDE 1.4978 FRA -1.1015 FC3-4.8572 BSP 2067 SGB 798.6 R23 -.0836 R13 .6816 LSA 820.8 MSA 161.1 SSA 22.0
 BDE .3019 BRA .2720 BC3 .6812 FSP -1253 SG1 716.6 SG2 352.4 THA 171.68 EL1 405.2 EL2 75.0 ALF 40.64

LAUNCH DATE DEC 3 1965

FLIGHT TIME 94.77

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC DISTANCE 262.953
 RL 147.46 LAL .00 LOL 70.62 VL 27.836 GAL -6.70 AZL 86.43 MCA 119.62 SMA 129.46 ECC .18083 INC 3.5705 V1 30.214
 RP 107.83 LAP 3.10 LOP 190.29 VP 37.899 GAP -4.03 AZP 91.77 TAL 213.50 TAP 333.12 RCA 106.05 APO 152.87 V2 35.143
 RC 67.327 GL 23.42 GP -3.76 ZAL 133.62 ZAP 43.02 ETS 2.95 ZAE 154.41 ETE 332.72 ZAC 93.57 ETC 279.47 CLP -42.89

PLANETOCENTRIC CONIC
 C3 18.757 VML 4.331 DLA 1.49 RAL 290.00 RAD 6567.8 VEL 11.838 PTH 2.10 VHP 3.920 OPA -18.98 RAP 331.99 ECC 1.3087
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 23 2245.28 -20.30 43.44 150.60 110.17 2 21 48 1645.3 -17.37 35.99
 90.00 14 4 27 4797.15 18.03 206.58 149.93 67.79 15 24 24 4197.2 14.86 199.34
 100.00 3 6 25 1980.68 -21.32 23.56 150.18 111.46 3 39 25 1380.7 -18.22 16.14
 100.00 15 25 6 4536.89 19.04 187.00 149.48 66.51 16 40 43 3937.0 15.70 179.80
 110.00 4 16 15 1762.10 -24.06 5.69 148.91 115.05 4 45 37 1162.1 -20.48 358.38
 110.00 16 31 45 4328.33 21.73 169.81 148.13 62.94 17 43 54 3728.3 17.93 162.74

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE -.2103 TRA -.2887 TC3 .5414 BAU .1542 SGT 665.8 SCR 356.4 SG3 471.4 ST 301.2 SR 251.5 SS 791.8
 RDE -.1900 RRA .0007 RC3 -.2917 FAU .11696 RRT -.2062 RRF .3119 RTF -.6052 CRT .9213 CRS .9736 CST .8235
 FDE 1.7242 FRA-1.2429 FC3-5.3984 BSP 1663 SGB 755.2 R23 -.1436 R13 .6182 LSA 867.6 HSA 166.6 SSA 20.6
 BDE .2834 BRA .2887 BC3 .6150 FSP -1369 SGI 671.3 SG2 345.9 THA 171.40 EL1 384.8 EL2 76.5 ALF 39.43

LAUNCH DATE DEC 3 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC DISTANCE 269.515
 RL 147.46 LAL .00 LOL 70.62 VL 27.878 GAL -6.69 AZL 86.40 MCA 122.84 SMA 129.75 ECC .17880 INC 3.5967 V1 30.214
 RP 107.87 LAP 3.02 LOP 193.52 VP 37.919 GAP -3.46 AZP 91.95 TAL 214.00 TAP 336.84 RCA 106.55 APO 152.95 V2 35.132
 RC 69.470 GL 23.75 GP -4.15 ZAL 133.85 ZAP 47.57 ETS 2.81 ZAE 156.62 ETE 329.64 ZAC 93.45 ETC 279.22 CLP -47.43

PLANETOCENTRIC CONIC
 C3 18.801 VML 4.313 DLA 1.75 RAL 289.55 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 3.700 OPA -19.76 RAP 330.81 ECC 1.3061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 36 2251.42 -20.45 43.83 150.08 110.03 2 18 10 1651.4 -17.53 36.36
 90.00 14 4 35 4787.10 17.77 205.96 149.50 67.59 15 24 22 4187.1 14.58 198.74
 100.00 3 2 47 1986.42 -21.47 23.93 149.67 111.32 3 35 54 1386.4 -18.58 16.49
 100.00 15 25 6 4527.33 18.78 186.40 148.85 66.30 16 40 34 3927.3 15.41 179.23
 110.00 4 12 54 1766.97 -24.20 6.00 148.40 114.91 4 42 21 1167.0 -20.64 358.67
 110.00 16 31 29 4319.54 21.46 169.27 147.49 62.73 17 43 29 3719.5 17.63 162.23

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE -.1772 TRA -.2863 TC3 .4758 BAU .1408 SGT 615.8 SCR 352.7 SG3 530.2 ST 263.7 SR 232.9 SS 836.1
 RDE -.1752 RRA -.0056 RC3 -.3071 FAU .13062 RRT -.2347 RRF .3745 RTF -.5287 CRT .8949 CRS .9689 CST .7737
 FDE 1.9169 FRA-1.4410 FC3-6.0793 BSP 1582 SGB 709.5 R23 -.2012 R13 .5527 LSA 891.3 HSA 167.4 SSA 20.2
 BDE .2492 BRA .2864 BC3 .5663 FSP -1599 SGI 623.5 SG2 338.5 THA 169.09 EL1 342.6 EL2 80.0 ALF 41.04

LAUNCH DATE DEC 3 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC DISTANCE 276.047
 RL 147.46 LAL .00 LOL 70.62 VL 27.911 GAL -6.68 AZL 86.38 MCA 126.06 SMA 129.98 ECC .17706 INC 3.6249 V1 30.214
 RP 107.90 LAP 2.93 LOP 196.74 VP 37.932 GAP -2.91 AZP 92.14 TAL 214.37 TAP 340.44 RCA 106.97 APO 153.00 V2 35.120
 RC 71.643 GL 24.07 GP -4.55 ZAL 133.98 ZAP 52.36 ETS 2.24 ZAE 159.01 ETE 325.30 ZAC 93.33 ETC 278.92 CLP -52.22

PLANETOCENTRIC CONIC
 C3 18.460 VML 4.297 DLA 2.03 RAL 289.21 RAD 6567.7 VEL 11.825 PTH 2.09 VHP 3.507 OPA -20.66 RAP 329.37 ECC 1.3038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 13 2258.31 -20.61 44.27 149.69 109.86 2 14 51 1658.3 -17.71 36.79
 90.00 14 5 18 4776.63 17.50 205.31 148.79 67.38 15 24 55 4176.6 14.28 198.11
 100.00 2 59 30 1992.89 -21.63 24.34 149.28 111.15 3 32 43 1392.9 -18.56 16.89
 100.00 15 25 42 4517.28 18.50 185.79 148.34 66.09 16 41 0 3917.3 15.11 178.63
 110.00 4 9 54 1772.51 -24.36 6.36 148.03 114.76 4 39 27 1172.5 -20.81 359.00
 110.00 16 31 47 4310.43 21.17 168.72 146.97 62.51 17 43 37 3710.4 17.32 161.71

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE -.1444 TRA -.3180 TC3 .3740 BAU .1219 SGT 566.1 SCR 349.1 SG3 588.7 ST 231.0 SR 211.8 SS 889.8
 RDE -.1587 RRA -.0115 RC3 -.3226 FAU .14379 RRT -.2118 RRF .4350 RTF -.3876 CRT .8429 CRS .9854 CST .6921
 FDE 2.1437 FRA-1.6205 FC3-6.7433 BSP 1284 SGB 665.1 R23 -.3128 R13 .4275 LSA 927.8 HSA 169.7 SSA 19.3
 BDE .2145 BRA .3182 BC3 .4939 FSP -1794 SGI 573.5 SG2 336.8 THA 168.57 EL1 301.0 EL2 87.5 ALF 42.06

LAUNCH DATE DEC 3 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC DISTANCE 282.551
 RL 147.46 LAL .00 LOL 70.62 VL 27.937 GAL -6.65 AZL 86.34 MCA 129.29 SMA 130.17 ECC .17558 INC 3.6554 V1 30.214
 RP 107.94 LAP 2.83 LOP 199.97 VP 37.940 GAP -2.38 AZP 92.32 TAL 214.63 TAP 343.91 RCA 107.31 APO 153.02 V2 35.108
 RC 73.845 GL 24.41 GP -5.00 ZAL 134.00 ZAP 57.40 ETS 1.83 ZAE 161.47 ETE 319.17 ZAC 93.21 ETC 278.56 CLP -57.26

PLANETOCENTRIC CONIC
 C3 18.331 VML 4.281 DLA 2.33 RAL 288.98 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 3.340 OPA -21.66 RAP 327.69 ECC 1.3017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 3 2266.04 -20.78 44.77 149.43 109.68 2 11 49 1666.0 -17.91 37.27
 90.00 14 6 36 4765.61 17.21 204.63 148.40 67.16 15 26 4 4165.6 13.97 197.45
 100.00 2 56 28 2000.17 -21.80 24.81 149.02 110.97 3 29 48 1400.2 -18.76 17.34
 100.00 15 26 53 4506.71 18.21 185.14 147.94 65.87 16 42 0 3906.7 14.80 178.01
 110.00 4 7 12 1778.77 -24.54 6.75 147.77 114.58 4 36 51 1178.8 -21.01 359.38
 110.00 16 32 39 4300.87 20.87 168.14 146.57 62.29 17 44 20 3700.9 17.00 161.16

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE -.1045 TRA -.3473 TC3 .2495 BAU .1032 SGT 530.8 SCR 347.1 SG3 647.5 ST 197.7 SR 189.0 SS 943.2
 RDE -.1410 RRA -.0175 RC3 -.3391 FAU .15689 RRT -.1351 RRF .4989 RTF -.1717 CRT .7308 CRS .9612 CST .5351
 FDE 2.3778 FRA-1.7943 FC3-7.4095 BSP 934 SGB 634.1 R23 -.4614 R13 .2170 LSA 966.8 HSA 171.7 SSA 18.4
 BDE .1755 BRA .3477 BC3 .4210 FSP -1990 SGI 534.2 SG2 341.6 THA 171.41 EL1 254.5 EL2 100.2 ALF 43.24

LAUNCH DATE DEC 3 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

RL 147.46 LAL .00 LOL 70.62 VL 27.956 GAL -6.62 AZL 86.31 MCA 132.50 SMA 130.30 ECC .17432 INC 3.6889 V1 30.214
 RP 107.98 LAP 2.72 LOP 203.19 VP 37.942 GAP -1.88 AZP 92.49 TAL 214.77 TAP 347.27 RCA 107.59 APO 153.02 V2 35.095
 RC 76.070 GL 24.75 GP -5.48 ZAL 133.92 ZAP 62.65 ETS 1.35 ZAE 163.82 ETE 310.41 ZAC 56.21 ETC 158.03 CLP -62.51

PLANETOCENTRIC CONIC

C3 18.211 VHL 4.267 DLA 2.66 RAL 288.85 RAD 6567.7 VEL 11.815 PTH 2.09 VHP 3.201 DPA -22.75 RAP 325.77 ECC 1.2997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 5 2274.74 -20.98 45.33 149.28 109.46 2 9 0 1674.7 -18.14 37.81
 90.00 14 8 34 4753.83 16.90 203.91 148.11 66.93 15 27 48 4153.8 13.63 196.76
 100.00 2 53 40 2008.37 -22.00 25.34 148.88 110.76 3 27 8 1408.4 -18.98 17.84
 100.00 15 28 41 4485.44 17.89 184.45 147.85 65.65 16 43 36 3895.4 14.45 177.34
 110.00 4 4 45 1785.86 -24.74 7.21 147.64 114.38 4 34 31 1185.9 -21.23 -359.81
 110.00 16 34 5 4290.71 20.55 167.55 146.27 62.06 17 45 35 3690.7 16.65 160.57

DIFFERENTIAL CORRECTIONS

TDE -.0560 TRA -.3826 TC3 .1059 BAU .0907
 RDE -.1226 RRA -.0232 RC3 -.3570 FAU .16993
 FDE 2.5986 FRA -1.9652 FC3 -8.0787 BSP 710
 BOE .1348 BRA .3833 BC3 .3724 FSP -2204

MID-COURSE EXECUTION ACCURACY

SGT 527.5 SGR 347.7 SG3 705.6
 RRT .0047 RRF .5666 RTF .1098
 SGB 631.8 R23 .5657 R13 .1119
 SG1 527.5 SG2 347.7 TMA .32

ORBIT DETERMINATION ACCURACY

ST 171.6 SR 165.1 SS 991.0
 CRT .4867 CRS .9548 CST .2286
 LSA 1004.4 MSA 172.7 SSA 17.6
 EL1 205.4 EL2 120.5 ALF 42.74

LAUNCH DATE DEC 3 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

RL 147.46 LAL .00 LOL 70.62 VL 27.969 GAL -6.58 AZL 86.27 MCA 135.72 SMA 130.39 ECC .17326 INC 3.7259 V1 30.214
 RP 108.02 LAP 2.60 LOP 206.40 VP 37.940 GAP -1.40 AZP 92.67 TAL 214.80 TAP 350.52 RCA 107.80 APO 152.99 V2 35.082
 RC 78.316 GL 25.11 GP -6.00 ZAL 133.74 ZAP 68.06 ETS .82 ZAE 165.77 ETE 298.15 ZAC 56.35 ETC 156.87 CLP -67.93

PLANETOCENTRIC CONIC

C3 18.097 VHL 4.254 DLA 3.02 RAL 288.82 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 3.088 DPA -23.91 RAP 323.67 ECC 1.2978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 15 2284.57 -21.20 45.96 149.25 109.22 2 6 20 1684.6 -18.39 38.42
 90.00 14 11 9 4741.09 16.55 203.13 147.93 66.69 15 30 10 4141.1 13.28 196.00
 100.00 2 51 0 2017.65 -22.23 25.94 148.85 110.52 3 24 38 1417.6 -19.23 18.42
 100.00 15 31 5 4483.24 17.55 183.71 147.46 65.41 16 45 48 3883.2 14.08 176.63
 110.00 4 2 29 1793.92 -24.96 7.73 147.63 114.15 4 32 23 1193.9 -21.49 .30
 110.00 16 36 6 4279.74 20.20 166.87 146.08 61.82 17 47 25 3679.7 16.27 159.95

DIFFERENTIAL CORRECTIONS

TDE -.0010 TRA -.4257 TC3 -.0612 BAU .0919
 RDE -.1033 RRA -.0287 RC3 -.3750 FAU .18161
 FDE 2.8108 FRA -2.1101 FC3 -8.6880 BSP 748
 BOE .1033 BRA .4266 BC3 .3800 FSP -2394

MID-COURSE EXECUTION ACCURACY

SGT 576.4 SGR 350.2 SG3 758.5
 RRT .1933 RRF .6316 RTF .3979
 SGB 674.5 R23 .5207 R13 .4548
 SG1 582.5 SG2 340.0 TMA 10.21

ORBIT DETERMINATION ACCURACY

ST 172.2 SR 139.9 SS 1037.0
 CRT .0916 CRS .9461 CST -.2124
 LSA 1046.0 MSA 173.5 SSA 16.6
 EL1 173.6 EL2 138.3 ALF 11.82

LAUNCH DATE DEC 3 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

RL 147.46 LAL .00 LOL 70.62 VL 27.976 GAL -6.53 AZL 86.23 MCA 138.93 SMA 130.45 ECC .17235 INC 3.7675 V1 30.214
 RP 108.06 LAP 2.47 LOP 209.62 VP 37.933 GAP -.93 AZP 92.84 TAL 214.73 TAP 353.66 RCA 107.96 APO 152.93 V2 35.069
 RC 80.581 GL 25.50 GP -6.56 ZAL 133.46 ZAP 73.57 ETS .21 ZAE 166.91 ETE 282.17 ZAC 54.43 ETC 155.54 CLP -73.46

PLANETOCENTRIC CONIC

C3 17.990 VHL 4.241 DLA 3.43 RAL 288.88 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 3.001 DPA -25.12 RAP 321.43 ECC 1.2961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 30 2295.74 -21.45 46.69 149.33 108.94 2 3 45 1695.7 -18.67 39.12
 90.00 14 14 25 4727.15 16.18 202.28 147.84 66.44 15 33 12 4127.1 12.85 195.18
 100.00 2 48 26 2028.21 -22.48 26.62 148.94 110.24 3 22 14 1428.2 -19.52 19.08
 100.00 15 34 10 4469.91 17.17 182.90 147.37 65.15 16 48 39 3869.9 13.68 175.85
 110.00 4 0 21 1803.11 -25.22 8.32 147.72 113.88 4 30 24 1203.1 -21.77 .86
 110.00 16 38 44 4267.77 19.81 166.16 145.97 61.56 17 49 52 3667.8 15.86 159.27

DIFFERENTIAL CORRECTIONS

TDE .0602 TRA -.4757 TC3 -.2491 BAU .1118
 RDE -.0831 RRA -.0336 RC3 -.3923 FAU .19111
 FDE 3.0088 FRA -2.2156 FC3 -9.1968 BSP 1170
 BOE .1026 BRA .4768 BC3 .4647 FSP -2544

MID-COURSE EXECUTION ACCURACY

SGT 682.3 SGR 354.2 SG3 803.0
 RRT .3743 RRF .6917 RTF .6164
 SGB 768.8 R23 .4238 R13 .6689
 SG1 698.7 SG2 320.7 TMA 14.00

ORBIT DETERMINATION ACCURACY

ST 209.6 SR 113.5 SS 1081.1
 CRT -.2702 CRS .9331 CST -.5785
 LSA 1093.1 MSA 174.4 SSA 15.6
 EL1 212.6 EL2 107.7 ALF 168.76

LAUNCH DATE DEC 3 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

RL 147.46 LAL .00 LOL 70.62 VL 27.978 GAL -6.47 AZL 86.19 MCA 142.15 SMA 130.46 ECC .17159 INC 3.8147 V1 30.214
 RP 108.10 LAP 2.34 LOP 212.83 VP 37.922 GAP -.48 AZP 93.01 TAL 214.55 TAP 356.70 RCA 108.07 APO 152.85 V2 35.056
 RC 82.862 GL 25.93 GP -7.17 ZAL 133.07 ZAP 79.12 ETS 359.53 ZAE 166.86 ETE 264.32 ZAC 52.52 ETC 154.03 CLP -79.03

PLANETOCENTRIC CONIC

C3 17.890 VHL 4.230 DLA 3.88 RAL 289.03 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 2.940 DPA -26.36 RAP 319.12 ECC 1.2944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 43 2308.53 -21.73 47.52 149.52 108.61 2 1 11 1708.5 -18.99 39.92
 90.00 14 18 24 4711.76 15.76 201.35 147.84 66.16 15 36 56 4111.8 12.40 194.27
 100.00 2 45 52 2040.31 -22.76 27.41 149.13 109.92 3 19 52 1440.3 -19.84 19.83
 100.00 15 37 56 4455.21 16.75 182.01 147.37 64.87 16 52 11 3855.2 13.22 174.99
 110.00 3 58 17 1815.68 -25.50 9.00 147.93 113.57 4 28 30 1213.7 -22.10 1.51
 110.00 16 42 0 4254.63 19.38 165.38 145.96 61.28 17 52 55 3654.6 15.40 158.52

DIFFERENTIAL CORRECTIONS

TDE .1278 TRA -.5304 TC3 -.4526 BAU .1459
 RDE -.0623 RRA -.0379 RC3 -.4091 FAU .19823
 FDE 3.1741 FRA -2.2832 FC3 -9.5925 BSP .1776
 BOE .1422 BRA .5318 BC3 .6100 FSP -2663

MID-COURSE EXECUTION ACCURACY

SGT 833.8 SGR 359.9 SG3 837.4
 RRT .5161 RRF .7466 RTF .7528
 SGB 908.1 R23 .3493 R13 .7871
 SG1 857.2 SG2 299.8 TMA 14.35

ORBIT DETERMINATION ACCURACY

ST 277.1 SR 86.5 SS 1119.3
 CRT -.4663 CRS .9088 CST -.7767
 LSA 1142.9 MSA 174.9 SSA 14.5
 EL1 280.3 EL2 75.6 ALF 171.07

LAUNCH DATE DEC 3 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 314.632

RL 147.46 LAL .00 LOL 70.62 VL 27.975 GAL -6.40 AZL 86.13 HCA 145.36 SMA 130.44 ECC .17095 INC 3.8693 V1 30.214
 RP 108.14 LAP 2.20 LOP 216.04 VP 37.908 GAP -.05 AZP 93.19 TAL 214.28 TAP 359.63 RCA 108.14 APO 152.74 V2 35.043
 RC 85.157 GL 26.40 GP -7.84 ZAL 132.59 ZAP 84.63 ETS 358.76 ZAE 165.57 ETE 248.03 ZAC 50.70 ETC 152.35 CLP -84.57

PLANETOCENTRIC CONIC

C3 17.800 VHL 4.219 DLA 4.39 RAL 289.27 RAD 6567.7 VEL 11.798 PTH 2.09 VHP 2.904 CPA -27.62 RAP 316.82 ECC 1.2929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 48 2323.32 -22.05 48.49 149.82 108.23 1 58 32 1723.3 -19.35 40.85
 90.00 14 23 10 4694.62 15.28 200.31 147.93 65.87 15 41 25 4094.6 11.89 193.27
 100.00 2 43 12 2054.31 -23.08 28.32 149.44 109.54 3 17 27 1454.3 -20.20 20.71
 100.00 15 42 27 4438.86 16.27 181.03 147.45 64.57 16 56 26 3838.9 12.71 174.05
 110.00 3 56 10 1825.94 -25.84 9.80 148.25 113.20 4 26 36 1225.9 -22.47 2.26
 110.00 16 45 58 4239.99 18.90 164.52 146.03 60.97 17 56 38 3640.0 14.89 157.70

DIFFERENTIAL CORRECTIONS

TDE .2014 TRA -.5882 TC3 -.6665 BAU .1882
 RDE -.0413 RRA -.0418 RC3 -.4255 FAU .20289
 FDE 3.2958 FRA-2.3153 FC3-9.8679 BSP 2462
 BDE .2056 BRA .5887 BC3 .7908 FSP -2757

MID-COURSE EXECUTION ACCURACY

SGT 1016.4 SGR 367.8 SG3 861.0
 RRT .6210 RRF .7961 RTF .8327
 SGB 1080.9 R23 .3008 R13 .8541
 SG1 1043.8 SG2 280.7 THA 13.67

ORBIT DETERMINATION ACCURACY

ST 364.5 SR 59.6 SS 1149.5
 CRT -.5088 CRS .8502 CST -.8717
 LSA 1194.6 MSA 174.7 SSA 13.4
 EL1 365.8 EL2 51.1 ALF 175.15

LAUNCH DATE DEC 3 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 320.963

RL 147.46 LAL .00 LOL 70.62 VL 27.968 GAL -6.32 AZL 86.07 HCA 148.56 SMA 130.39 ECC .17043 INC 3.9335 V1 30.214
 RP 108.18 LAP 2.05 LOP 219.25 VP 37.891 GAP .36 AZP 93.36 TAL 213.91 TAP 2.48 RCA 108.17 APO 152.61 V2 35.030
 RC 87.465 GL 26.93 GP -8.58 ZAL 132.00 ZAP 90.02 ETS 357.91 ZAE 163.34 ETE 235.45 ZAC 49.05 ETC 150.52 CLP -90.02

PLANETOCENTRIC CONIC

C3 17.724 VHL 4.210 DLA 4.97 RAL 289.58 RAD 6567.7 VEL 11.794 PTH 2.09 VHP 2.891 CPA -28.91 RAP 314.61 ECC 1.2917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 39 2340.61 -22.41 49.63 150.24 107.77 1 55 39 1740.6 -19.77 41.95
 90.00 14 28 49 4675.33 14.74 199.15 148.10 65.55 15 46 44 4075.3 11.32 192.15
 100.00 2 40 20 2070.69 -23.45 29.40 149.86 109.09 3 14 50 1470.7 -20.63 21.74
 100.00 15 47 49 4420.48 15.73 179.93 147.62 64.25 17 1 29 3820.5 12.14 172.98
 110.00 3 53 56 1840.31 -26.22 10.74 148.70 112.76 4 24 37 1240.3 -22.90 3.15
 110.00 16 50 42 4223.62 18.36 163.56 146.19 60.65 18 1 5 3623.6 14.31 156.79

DIFFERENTIAL CORRECTIONS

TDE .2797 TRA -.6482 TC3 -.8872 BAU .2348
 RDE -.0195 RRA -.0451 RC3 -.4411 FAU .20443
 FDE 3.3806 FRA-2.3014 FC3-9.9854 BSP 3193
 BDE .2804 BRA .6498 BC3 .9909 FSP -2803

MID-COURSE EXECUTION ACCURACY

SGT 1219.5 SGR 377.4 SG3 871.5
 RRT .6993 RRF .8391 RTF .8793
 SGB 1276.6 R23 .2711 R13 .8933
 SG1 1249.1 SG2 263.4 THA 12.79

ORBIT DETERMINATION ACCURACY

ST 464.7 SR 34.2 SS 1174.8
 CRT -.3112 CRS .6333 CST -.9185
 LSA 1251.7 MSA 174.3 SSA 12.3
 EL1 464.9 EL2 32.5 ALF 178.68

LAUNCH DATE DEC 3 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 327.269

RL 147.46 LAL .00 LOL 70.62 VL 27.957 GAL -6.23 AZL 85.99 HCA 151.77 SMA 130.31 ECC .17000 INC 4.0105 V1 30.214
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.870 GAP .76 AZP 93.53 TAL 213.46 TAP 5.23 RCA 108.16 APO 152.46 V2 35.016
 RC 89.783 GL 27.54 GP -9.43 ZAL 131.29 ZAP 95.23 ETS 356.93 ZAE 160.52 ETE 226.55 ZAC 47.65 ETC 148.56 CLP -95.30

PLANETOCENTRIC CONIC

C3 17.669 VHL 4.203 DLA 5.65 RAL 289.96 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 2.900 CPA -30.23 RAP 312.56 ECC 1.2908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 3 2361.14 -22.83 50.98 150.78 107.22 1 52 24 1761.1 -20.26 43.26
 90.00 14 35 28 4653.36 14.12 197.84 148.37 65.20 15 53 1 4053.4 10.66 190.87
 100.00 2 37 4 2090.16 -23.88 30.69 150.41 108.54 3 11 54 1490.2 -21.12 22.98
 100.00 15 54 8 4399.57 15.11 178.69 147.88 63.90 17 7 28 3799.6 11.48 171.78
 110.00 3 51 26 1857.43 -26.66 11.88 149.27 112.23 4 22 23 1257.4 -23.41 4.22
 110.00 16 56 16 4205.06 17.73 162.48 146.43 60.29 18 6 21 3605.1 13.65 155.75

DIFFERENTIAL CORRECTIONS

TDE .3625 TRA -.7086 TC3 -1.1087 BAU .2833
 RDE .0032 RRA -.0482 RC3 -.4572 FAU .20323
 FDE 3.4230 FRA-2.2520 FC3-9.9577 BSP 3946
 BDE .3625 BRA .7103 BC3 1.1992 FSP -2818

MID-COURSE EXECUTION ACCURACY

SGT 1433.5 SGR 390.0 SG3 869.9
 RRT .7592 RRF .8765 RTF .9078
 SGB 1485.6 R23 .2548 R13 .9176
 SG1 1464.7 SG2 248.4 THA 12.02

ORBIT DETERMINATION ACCURACY

ST 574.2 SR 23.3 SS 1193.5
 CRT .6155 CRS -.3742 CST -.9440
 LSA 1313.2 MSA 173.2 SSA 11.1
 EL1 574.3 EL2 18.4 ALF 1.43

LAUNCH DATE DEC 3 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 333.549

RL 147.46 LAL .00 LOL 70.62 VL 27.942 GAL -6.14 AZL 85.89 HCA 154.97 SMA 130.21 ECC .16966 INC 4.1054 V1 30.214
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.847 GAP 1.14 AZP 93.72 TAL 212.93 TAP 7.90 RCA 108.12 APO 152.30 V2 35.003
 RC 92.112 GL 28.26 GP -10.44 ZAL 130.46 ZAP 100.19 ETS 355.81 ZAE 157.41 ETE 220.50 ZAC 46.58 ETC 146.48 CLP -100.36

PLANETOCENTRIC CONIC

C3 17.647 VHL 4.201 DLA 6.44 RAL 290.41 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 2.929 CPA -31.64 RAP 310.75 ECC 1.2904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 46 2385.99 -23.33 52.64 151.47 106.53 1 48 32 1786.0 -20.84 44.85
 90.00 14 43 21 4627.93 13.39 196.33 148.73 64.81 16 0 29 4027.9 9.88 189.40
 100.00 2 33 11 2113.74 -24.38 32.26 151.11 107.86 3 8 25 1513.7 -21.71 24.48
 100.00 16 1 37 4375.41 14.38 177.27 148.23 63.51 17 14 33 3775.4 10.71 170.40
 110.00 3 48 27 1878.21 -27.19 13.26 149.99 111.56 4 19 45 1278.2 -24.02 5.53
 110.00 17 2 51 4183.70 17.01 161.25 146.76 59.89 18 12 35 3583.7 12.88 154.57

DIFFERENTIAL CORRECTIONS

TDE .4500 TRA -.7687 TC3 -1.3256 BAU .3321
 RDE .0281 RRA -.0510 RC3 -.4738 FAU .19892
 FDE 3.4425 FRA-2.1607 FC3-9.7588 BSP 4703
 BDE .4509 BRA .7704 BC3 1.4077 FSP -2776

MID-COURSE EXECUTION ACCURACY

SGT 1652.4 SGR 406.0 SG3 855.6
 RRT .8061 RRF .9082 RTF .9254
 SGB 1701.5 R23 .2480 R13 .9328
 SG1 1685.1 SG2 235.6 THA 11.43

ORBIT DETERMINATION ACCURACY

ST 691.4 SR 45.3 SS 1211.1
 CRT .9760 CRS -.9299 CST -.9587
 LSA 1384.6 MSA 172.5 SSA 9.8
 EL1 692.8 EL2 9.9 ALF 3.66

LAUNCH DATE DEC 3 1965

FLIGHT TIME 118.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 339.803

RL 147.46 LAL .00 LOL 70.62 VL 27.925 GAL -6.03 AZL 85.77 MCA 158.17 SMA 130.08 ECC .16941 INC 4.2260 V1 30.214
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.822 GAP 1.51 AZP 93.92 TAL 212.32 TAP 10.49 RCA 108.04 APO 152.12 V2 34.990
 RC 94.449 GL 29.12 GP -11.69 ZAL 129.48 ZAP 104.86 ETS 354.48 ZAE 154.14 ETE 216.53 ZAC 45.90 ETC 144.26 CLP-105.18

PLANETOCENTRIC CONIC

C3 17.678 VHL 4.205 DLA 7.40 RAL 290.92 RAD 6567.7 VEL 11.792 PTH 2.09 VHP 2.978 DPA -33.22 RAP 309.25 ECC 1.2909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 3 25 2416.85 -23.91 54.72 152.33 105.64 1 43 42 1816.9 -21.53 46.85
 90.00 14 52 46 4597.90 12.51 194.56 149.19 64.39 16 9 24 3997.9 8.96 187.68
 100.00 2 28 19 2143.04 -24.98 34.23 151.98 106.98 3 4 2 1543.0 -22.41 26.37
 100.00 16 10 33 4346.94 13.51 175.60 148.69 63.08 17 23 0 3746.9 9.79 168.79
 110.00 3 44 40 1904.08 -27.83 15.01 150.90 110.71 4 16 24 1304.1 -24.75 7.18
 110.00 17 10 41 4158.67 16.15 159.82 147.19 59.45 18 20 0 3558.7 11.98 153.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5432 TRA -.8280 TC3-1.5321 BAU .3805 SGT 1871.5 SGR 429.4 S63 831.8 ST 816.0 SR 80.4 S5 1223.9
 RDE .0559 RRA -.0548 RC3 -.4945 FAU .19257 RRT .8434 RRF .9351 RTF .9371 CRT .9839 CRS -.9885 CST -.9682
 FDE 3.4301 FRA-2.0510 FC3-9.4304 BSP 5466 SGB 1920.1 R23 .2476 R13 .9431 LSA 1463.2 MSA 171.0 SSA 8.5
 BDE .5460 BRA .8298 BC3 1.6100 FSP -2719 SG1 1906.7 SG2 226.5 THA 11.11 EL1 819.8 EL2 14.3 ALF 5.54

LAUNCH DATE DEC 3 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 346.034

RL 147.46 LAL .00 LOL 70.62 VL 27.904 GAL -5.92 AZL 85.61 MCA 161.36 SMA 129.93 ECC .16923 INC 4.3855 V1 30.214
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.795 GAP 1.87 AZP 94.16 TAL 211.63 TAP 13.00 RCA 107.94 APO 151.92 V2 34.977
 RC 96.794 GL 30.20 GP -13.31 ZAL 128.33 ZAP 109.17 ETS 352.83 ZAE 150.77 ETE 214.17 ZAC 45.74 ETC 141.87 CLP-109.72

PLANETOCENTRIC CONIC

C3 17.798 VHL 4.219 DLA 8.59 RAL 291.48 RAD 6567.7 VEL 11.797 PTH 2.09 VHP 3.048 DPA -35.08 RAP 308.13 ECC 1.2929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 21 2456.52 -24.61 57.41 153.42 104.47 1 37 17 1856.5 -22.38 49.45
 90.00 15 4 16 4561.35 11.42 192.43 149.79 63.91 16 20 18 3961.4 7.83 185.60
 100.00 2 21 52 2180.71 -25.70 36.80 153.09 105.82 2 58 12 1580.7 -23.28 28.83
 100.00 16 21 27 4312.40 12.43 173.60 149.27 62.60 17 33 19 3712.4 8.66 166.84
 110.00 3 39 37 1937.39 -28.61 17.28 152.05 109.56 4 11 54 1337.4 -25.67 9.33
 110.00 17 20 11 4128.48 15.10 158.11 147.73 58.96 18 28 59 3528.5 10.87 151.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6466 TRA -.8852 TC3-1.7186 BAU .4272 SGT 2086.2 SGR 462.6 S63 797.2 ST 951.9 SR 125.1 S5 1240.7
 RDE .0898 RRA -.0591 RC3 -.5200 FAU .18351 RRT .8726 RRF .9568 RTF .9447 CRT .9791 CRS -.9979 CST -.9747
 FDE 3.4165 FRA-1.9086 FC3-8.9264 BSP 6191 SGB 2136.8 R23 .2518 R13 .9500 LSA 1559.5 MSA 170.1 SSA 7.2
 BDE .6528 BRA .8872 BC3 1.7955 FSP -2605 SG1 2125.3 SG2 221.7 THA 11.07 EL1 959.7 EL2 25.2 ALF 7.34

LAUNCH DATE DEC 3 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 352.240

RL 147.46 LAL .00 LOL 70.62 VL 27.880 GAL -5.80 AZL 85.39 MCA 164.56 SMA 129.77 ECC .16912 INC 4.6082 V1 30.214
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.765 GAP 2.22 AZP 94.44 TAL 210.88 TAP 15.44 RCA 107.82 APO 151.71 V2 34.964
 RC 99.145 GL 31.62 GP -15.54 ZAL 126.94 ZAP 113.07 ETS 350.67 ZAE 147.23 ETE 213.20 ZAC 46.24 ETC 139.20 CLP-113.99

PLANETOCENTRIC CONIC

C3 18.072 VHL 4.251 DLA 10.12 RAL 292.07 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 3.141 DPA -37.48 RAP 307.45 ECC 1.2974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 25 2510.00 -23.47 61.09 154.83 102.81 1 28 15 1910.0 -23.45 53.00
 90.00 15 18 52 4515.00 10.02 189.74 150.57 63.38 16 34 7 3915.0 6.37 182.97
 100.00 2 12 47 2231.49 -26.59 40.31 154.53 104.18 2 49 58 1631.5 -24.38 32.21
 100.00 16 35 12 4268.74 11.05 171.10 150.03 62.05 17 46 20 3668.7 7.23 164.39
 110.00 3 32 24 1982.31 -29.59 20.41 153.55 107.95 4 5 27 1382.3 -26.85 12.29
 110.00 17 32 3 4090.69 13.76 156.00 148.44 58.40 18 40 14 3490.7 9.48 149.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7645 TRA -.9437 TC3-1.8770 BAU .4730 SGT 2297.4 SGR 514.2 S63 754.3 ST 1102.0 SR 182.2 S5 1256.9
 RDE .1333 RRA -.0666 RC3 -.5564 FAU .17273 RRT .8955 RRF .9734 RTF .9502 CRT .9778 CRS -.9995 CST -.9796
 FDE 3.3906 FRA-1.7643 FC3-8.2747 BSP 6931 SGB 2354.2 R23 .2567 R13 .9553 LSA 1673.0 MSA 168.2 SSA 5.8
 BDE .7761 BRA .9461 BC3 1.9578 FSP -2483 SG1 2343.5 SG2 224.3 THA 11.44 EL1 1116.3 EL2 37.7 ALF 9.20

LAUNCH DATE DEC 3 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 358.423

RL 147.46 LAL .00 LOL 70.62 VL 27.855 GAL -5.67 AZL 85.06 MCA 167.75 SMA 129.58 ECC .16909 INC 4.9437 V1 30.214
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.734 GAP 2.55 AZP 94.83 TAL 210.06 TAP 17.81 RCA 107.67 APO 151.50 V2 34.951
 RC 101.502 GL 33.59 GP -18.82 ZAL 125.19 ZAP 116.39 ETS 347.65 ZAE 143.28 ETE 213.63 ZAC 47.75 ETC 136.05 CLP-118.00

PLANETOCENTRIC CONIC

C3 18.646 VHL 4.318 DLA 12.23 RAL 292.65 RAD 6567.8 VEL 11.833 PTH 2.10 VHP 3.269 DPA -40.85 RAP 307.37 ECC 1.3069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 20 2587.41 -26.52 66.51 156.79 100.30 1 14 27 1987.4 -24.83 58.25
 90.00 15 38 36 4452.25 8.09 186.15 151.66 62.77 16 52 48 3852.2 4.37 179.44
 100.00 1 58 56 2304.90 -27.71 45.47 156.54 101.68 2 37 21 1704.9 -25.82 37.18
 100.00 16 53 41 4209.99 9.16 167.76 151.08 61.42 18 3 51 3610.0 5.27 161.13
 110.00 3 21 18 2047.16 -30.86 25.03 155.66 105.49 3 55 25 1447.2 -28.43 16.68
 110.00 17 47 48 4040.49 11.95 153.24 149.42 57.73 18 55 9 3440.5 7.61 146.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9114 TRA -1.0068 TC3-1.9875 BAU .5180 SGT 2505.4 SGR 594.4 S63 699.2 ST 1278.0 SR 262.7 S5 1280.2
 RDE .1961 RRA -.0784 RC3 -.6064 FAU .15900 RRT .9126 RRF .9848 RTF .9541 CRT .9789 CRS -.9996 CST -.9835
 FDE 3.3773 FRA-1.6061 FC3-7.3823 BSP 7687 SGB 2575.0 R23 .2599 R13 .9595 LSA 1820.2 MSA 166.9 SSA 4.5
 BDE .9323 BRA 1.0099 BC3 2.0780 FSP -2312 SG1 2564.0 SG2 237.5 THA 12.32 EL1 1303.6 EL2 52.6 ALF 11.40

LAUNCH DATE DEC 3 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 364.584

RL 147.46 LAL .00 LOL 70.62 VL 27.827 GAL -5.53 AZL 84.49 MCA 170.94 SMA 129.39 ECC .16911 INC 5.5095 V1 30.214
 RP 108.46 LAP .87 LOP 241.60 VP 37.702 GAP 2.87 AZP 95.44 TAL 209.19 TAP 20.13 RCA 107.51 APO 151.27 V2 34.939
 RC 103.862 GL 36.59 GP -24.15 ZAL 122.81 ZAP 118.74 ETS 343.01 ZAE 138.25 ETE 215.73 ZAC 50.99 ETC 132.03 CLP-121.80

PLANETOCENTRIC CONIC

C3 19.909 VHL 4.462 DLA 15.38 RAL 293.16 RAD 6567.8 VEL 11.887 PTH 2.11 VHP 3.469 DPA -46.18 RAP 308.23 ECC 1.3276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 5 30 2712.76 -27.73 75.48 159.81 95.96 0 50 43 2112.8 -26.62 66.99
 90.00 16 8 30 4357.86 5.11 180.81 153.42 62.11 17 21 8 3757.9 1.34 174.16
 100.00 1 35 16 2423.30 -29.05 54.02 159.64 97.37 2 15 39 1823.3 -27.73 45.46
 100.00 17 21 26 4122.55 6.28 162.87 152.78 60.71 18 30 8 3522.5 2.33 156.31
 110.00 3 2 15 2151.14 -32.50 32.69 158.98 101.23 3 38 6 1551.1 -30.61 23.98
 110.00 18 10 56 3967.47 9.27 149.28 150.96 56.95 19 17 3 3367.5 4.85 142.98

DIFFERENTIAL CORRECTIONS

TDE 1.1257 TRA-1.0797 TC3-1.9983 BAU .5611
 RDE .3004 RRA -.0988 RC3 -.6714 FAU .14031
 FDE 3.3742 FRA-1.4301 FC3-6.1015 BSP 8393
 BDE 1.1651 BRA 1.0843 BC3 2.1081 FSP -2069

MID-COURSE EXECUTION ACCURACY

SGT 2708.8 SGR 724.6 SG3 623.3
 RRT .9248 RRF .9917 RTF .9575
 SGB 2804.0 R23 .2561 R13 .9639
 SG1 2791.2 SG2 267.5 THA 14.03

ORBIT DETERMINATION ACCURACY

ST 1509.4 SR 388.2 SS 1310.8
 CRT .9823 CRS -.9995 CST -.9874
 LSA 2029.9 MSA 163.5 SSA 3.2
 EL1 1557.0 EL2 70.4 ALF 14.21

LAUNCH DATE DEC 3 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 370.721

RL 147.46 LAL .00 LOL 70.62 VL 27.797 GAL -5.38 AZL 83.32 MCA 174.12 SMA 129.18 ECC .16920 INC 6.6828 V1 30.214
 RP 108.50 LAP .68 LOP 244.79 VP 37.669 GAP 3.19 AZP 96.65 TAL 208.25 TAP 22.37 RCA 107.32 APO 151.04 V2 34.926
 RC 106.225 GL 41.86 GP -34.07 ZAL 119.03 ZAP 118.83 ETS 335.05 ZAE 130.16 ETE 219.83 ZAC 58.01 ETC 126.35 CLP-125.60

PLANETOCENTRIC CONIC

C3 23.296 VHL 4.827 DLA 20.82 RAL 293.45 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 3.892 DPA -55.91 RAP 311.38 ECC 1.3834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 6 6 2964.18 -28.15 93.82 165.30 86.80 23 55 31 2364.2 -28.30 85.16
 90.00 17 6 16 4182.19 -.54 170.99 157.35 61.69 18 15 59 3582.2 -4.32 164.35
 100.00 0 45 15 2657.19 -29.85 71.32 165.38 88.33 1 29 32 2057.2 -29.76 62.52
 100.00 18 13 45 3964.41 .95 154.15 156.52 60.12 19 19 50 3364.4 -3.03 147.63
 110.00 2 22 53 2351.73 -34.12 48.10 165.36 92.27 3 2 4 1751.7 -33.43 38.92
 110.00 18 52 36 3842.64 4.57 142.67 154.27 56.09 19 56 39 3242.6 .09 136.45

DIFFERENTIAL CORRECTIONS

TDE 1.5105 TRA-1.2002 TC3-1.8102 BAU .6069
 RDE .5105 RRA -.1377 RC3 -.7210 FAU .11043
 FDE 3.3059 FRA-1.2136 FC3-4.1039 BSP 9306
 BDE 1.5944 BRA 1.2081 BC3 1.9486 FSP -1676

MID-COURSE EXECUTION ACCURACY

SGT 2931.3 SGR 939.3 SG3 499.9
 RRT .9332 RRF .9946 RTF .9617
 SGB 3078.1 R23 .2396 R13 .9698
 SG1 3061.1 SG2 323.2 THA 16.84

ORBIT DETERMINATION ACCURACY

ST 1851.2 SR 608.6 SS 1329.5
 CRT .9867 CRS -.9995 CST -.9912
 LSA 2353.6 MSA 158.8 SSA 2.1
 EL1 1946.4 EL2 94.2 ALF 18.02

LAUNCH DATE DEC 3 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 376.830

RL 147.46 LAL .00 LOL 70.62 VL 27.765 GAL -5.22 AZL 79.40 MCA 177.30 SMA 128.96 ECC .16935 INC10.6010 V1 30.214
 RP 108.54 LAP .50 LOP 247.97 VP 37.634 GAP 3.49 AZP 100.59 TAL 207.25 TAP 24.55 RCA 107.12 APO 150.80 V2 34.914
 RC 108.588 GL 53.35 GP -56.43 ZAL 110.90 ZAP 111.48 ETS 318.66 ZAE 111.97 ETE 222.61 ZAC 75.27 ETC 116.19 CLP-131.47

PLANETOCENTRIC CONIC

C3 40.211 VHL 6.341 DLA 32.61 RAL 293.30 RAD 6568.5 VEL 12.711 PTH 2.31 VHP 5.676 DPA -77.08 RAP 332.31 ECC 1.6618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.10 17 55 27 4125.94 -17.22 175.90 174.35 61.86 19 4 13 3525.9 -20.84 168.77
 106.90 22 15 45 3293.49 -17.20 114.11 174.34 61.86 23 10 38 2693.5 -20.83 106.99
 73.10 17 55 27 4125.94 -17.22 175.90 174.35 61.86 19 4 13 3525.9 -20.84 168.77
 106.90 22 15 45 3293.49 -17.20 114.11 174.34 61.86 23 10 38 2693.5 -20.83 106.99
 110.00 23 53 18 2992.85 -25.37 95.17 178.60 66.28 24 43 10 2392.9 -28.35 87.26
 110.00 21 17 4 3474.57 -9.40 123.33 169.61 56.98 22 14 59 2874.6 -13.68 116.85

DIFFERENTIAL CORRECTIONS

TDE 2.7728 TRA-1.5245 TC3-1.0411 BAU .6143
 RDE 1.0033 RRA -.1581 RC3 -.4710 FAU .05083
 FDE 2.7121 FRA -.7927 FC3-1.0943 BSP 10225
 BDE 2.9487 BRA 1.5326 BC3 1.1427 FSP -846

MID-COURSE EXECUTION ACCURACY

SGT 3270.2 SGR 1098.8 SG3 254.2
 RRT .9287 RRF .9883 RTF .9732
 SGB 3449.9 R23 .1928 R13 .9807
 SG1 3427.9 SG2 388.6 THA 17.56

ORBIT DETERMINATION ACCURACY

ST 2553.2 SR 908.1 SS 1208.5
 CRT .9906 CRS -.9989 CST -.9960
 LSA 2963.7 MSA 143.1 SSA 1.3
 EL1 2707.4 EL2 117.2 ALF 19.45

LAUNCH DATE DEC 3 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 383.061

RL 147.46 LAL .00 LOL 70.62 VL 27.732 GAL -5.08 AZL 120.67 MCA 180.61 SMA 128.73 ECC .16982 INC30.6521 V1 30.214
 RP 108.58 LAP .31 LOP 251.15 VP 37.599 GAP 3.82 AZP 59.33 TAL 206.32 TAP 26.93 RCA 106.87 APO 150.59 V2 34.903
 RC 110.951 GL -64.20 GP 78.03 ZAL 98.05 ZAP 96.15 ETS 139.98 ZAE 83.84 ETE 225.50 ZAC 72.62 ETC 336.97 CLP 121.11

PLANETOCENTRIC CONIC

C3 244.960 VHL 15.651 DLA -68.90 RAL 18.05 RAD 6571.4 VEL 19.138 PTH 3.09 VHP 21.473 DPA 62.02 RAP 251.86 ECC 5.0314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.14 8 34 28 2313.92 7.24 74.98 285.23 158.72 9 13 2 1713.9 14.68 72.41
 155.86 18 56 51 5855.60 7.24 264.18 285.25 158.72 20 34 27 5255.6 14.69 261.61
 24.14 8 34 28 2313.92 7.24 74.98 285.23 158.72 9 13 2 1713.9 14.68 72.41
 155.86 18 56 51 5855.60 7.24 264.18 285.25 158.72 20 34 27 5255.6 14.69 261.61
 24.14 8 34 28 2313.92 7.24 74.98 285.23 158.72 9 13 2 1713.9 14.68 72.41
 155.86 18 56 51 5855.60 7.24 264.18 285.25 158.72 20 34 27 5255.6 14.69 261.61

DIFFERENTIAL CORRECTIONS

TDE .1673 TRA 1.6809 TC3 .0255 BAU .5559
 RDE -3.4932 RRA 3.5218 RC3 .1678 FAU -.00801
 FDE -.5178 FRA .8147 FC3 .0283 BSP 5704
 BDE 3.4972 BRA 3.9024 BC3 .1697 FSP 78

MID-COURSE EXECUTION ACCURACY

SGT 1712.2 SGR 3838.7 SG3 73.8
 RRT .9257 RRF .9926 RTF .9648
 SGB 4203.3 R23 -.0609 R13 .9981
 SG1 4160.6 SG2 597.4 THA 67.06

ORBIT DETERMINATION ACCURACY

ST 516.4 SR 1670.3 SS 579.9
 CRT .5479 CRS -.9758 CST -.7176
 LSA 1789.6 MSA 436.1 SSA .4
 EL1 1695.7 EL2 425.5 ALF 79.73

LAUNCH DATE DEC 3 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 389.050

RL 147.46 LAL .00 LOL 70.62 VL 27.697 GAL -4.88 AZL 91.89 HCA 183.70 SMA 128.49 ECC .16995 INC 1.8778 V1 30.214
 RP 108.61 LAP .12 LOP 254.32 VP 37.563 GAP 4.08 AZP 88.12 TAL 205.16 TAP 28.86 RCA 106.65 APO 150.32 V2 34.892
 RC 113.313 GL -15.13 GP 44.87 ZAL 126.96 ZAP 120.47 ETS 32.44 ZAE 125.34 ETE 139.67 ZAC 41.58 ETC 213.42 CLP-135.69

PLANETOCENTRIC CONIC

C3 12.138 VHL 3.484 DLA -34.39 RAL 308.43 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 4.884 CPA 21.65 RAP 294.09 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.62 6 36 2 1262.84 26.72 354.91 171.08 112.50 6 57 5 662.8 29.52 346.83
 110.38 11 39 51 5584.79 26.72 260.69 171.09 112.49 13 12 55 4984.8 29.53 252.61
 69.62 6 36 2 1262.84 26.72 354.91 171.08 112.50 6 57 5 662.8 29.52 346.83
 110.38 11 39 51 5584.79 26.72 260.69 171.09 112.49 13 12 55 4984.8 29.53 252.61
 69.62 6 36 2 1262.84 26.72 354.91 171.08 112.50 6 57 5 662.8 29.52 346.83
 110.38 11 39 51 5584.79 26.72 260.69 171.09 112.49 13 12 55 4984.8 29.53 252.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6958 TRA -.4495 TC3-4.1128 BAU .7346 SGT 3213.2 SGR 1379.9 SGT 341.9 ST 1178.5 SR 406.4 SS 468.1
 RDE .2458 RRA -.0267 RC3 1.8920 FAU .07646 RRT -.9456 RRF -.9996 RTF .9520 CRT -.9637 CRS .9997 CST -.9699
 FDE -.6709 FRA .0264 FC3-5.4535 BSP 10544 SGB 3496.9 R23 .2580 R13 -.9659 LSA 1324.2 MSA 140.1 SSA 2.4
 BDE .7379 BRA .4503 BC3 4.5271 FSP -1092 SGI 3472.2 SG2 415.3 TMA 157.56 EL1 1242.3 EL2 102.9 ALF 161.48

LAUNCH DATE DEC 3 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 395.105

RL 147.46 LAL .00 LOL 70.62 VL 27.661 GAL -4.69 AZL 89.45 HCA 186.87 SMA 128.24 ECC .17031 INC .5505 V1 30.214
 RP 108.64 LAP -.07 LOP 257.50 VP 37.526 GAP 4.36 AZP 90.55 TAL 204.03 TAP 30.90 RCA 106.40 APO 150.08 V2 34.881
 RC 115.673 GL 4.60 GP 26.97 ZAL 126.97 ZAP 130.61 ETS 23.19 ZAE 134.31 ETE 153.38 ZAC 35.16 ETC 191.42 CLP-136.92

PLANETOCENTRIC CONIC

C3 11.080 VHL 3.329 DLA -14.90 RAL 304.71 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 4.093 CPA 4.24 RAP 298.67 ECC 1.1824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 5 1600.72 -1.48 5.52 157.05 118.28 5 18 46 1000.7 2.31 358.90
 90.00 12 54 6 5208.86 26.24 233.87 161.31 78.96 14 20 55 4608.9 24.45 225.66
 100.00 6 5 23 1364.25 -2.44 347.61 156.52 119.80 6 28 7 764.3 1.55 341.09
 100.00 14 23 29 4920.57 27.31 212.42 161.06 77.34 15 45 30 4320.6 25.29 204.20
 110.00 6 55 39 1206.80 -4.88 334.14 155.00 123.87 7 15 46 606.8 -.40 327.92
 110.00 15 49 43 4650.79 30.09 191.09 160.22 72.96 17 7 13 4050.8 27.47 182.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0094 TRA -.6921 TC3-4.8149 BAU .7431 SGT 3434.3 SGR 939.7 SGT 479.6 ST 382.4 SR 41.7 SS 179.7
 RDE -.0153 RRA .0298 RC3 1.4086 FAU .10613 RRT -.9519 RRF -.9984 RTF .9507 CRT -.5657 CRS .8800 CST -.3159
 FDE .2727 FRA -.1917 FC3-8.2927 BSP 11074 SGB 3560.5 R23 .2852 R13 -.9568 LSA 388.5 MSA 170.7 SSA 15.0
 BDE .0179 BRA .6927 BC3 5.0167 FSP -1570 SGI 3549.6 SG2 278.6 TMA 165.31 EL1 383.2 EL2 34.3 ALF 176.44

LAUNCH DATE DEC 3 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 401.147

RL 147.46 LAL .00 LOL 70.62 VL 27.624 GAL -4.50 AZL 88.54 HCA 190.05 SMA 127.99 ECC .17075 INC 1.4567 V1 30.214
 RP 108.68 LAP -.25 LOP 260.67 VP 37.490 GAP 4.64 AZP 91.44 TAL 202.85 TAP 32.90 RCA 106.13 APO 149.84 V2 34.870
 RC 118.029 GL 12.02 GP 18.62 ZAL 124.50 ZAP 135.67 ETS 17.69 ZAE 136.17 ETE 162.02 ZAC 35.01 ETC 179.17 CLP-139.01

PLANETOCENTRIC CONIC

C3 11.319 VHL 3.364 DLA -7.28 RAL 304.68 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 3.982 CPA -3.83 RAP 301.06 ECC 1.1863
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 40 1859.47 -9.67 20.13 156.84 116.74 4 19 40 1259.5 -6.01 13.36
 90.00 13 57 14 4958.93 21.87 216.89 159.11 71.55 15 19 52 4358.9 19.15 209.28
 100.00 5 6 31 1608.27 -10.53 1.21 156.38 118.14 5 33 20 1008.3 -6.68 354.53
 100.00 15 22 4 4685.32 22.78 196.43 158.76 70.11 16 40 9 4085.3 19.86 188.85
 110.00 6 6 47 1419.62 -12.79 345.55 155.05 121.97 6 30 27 819.6 -8.47 339.11
 110.00 16 38 17 4446.78 25.21 177.25 157.70 66.11 17 52 24 3846.8 21.76 169.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3044 TRA -.7604 TC3-4.9005 BAU .7572 SGT 3584.2 SGR 685.3 SGT 504.6 ST 657.1 SR 81.5 SS 451.7
 RDE -.0456 RRA .0263 RC3 1.0097 FAU .11043 RRT -.9525 RRF -.9939 RTF .9501 CRT -.8891 CRS .9887 CST -.8486
 FDE .7618 FRA -.2126 FC3-8.4460 BSP 11355 SGB 3649.1 R23 .2824 R13 -.9530 LSA 774.9 MSA 205.1 SSA 9.3
 BDE .3078 BRA .7608 BC3 5.0035 FSP -1650 SGI 3643.3 SG2 205.3 TMA 169.65 EL1 661.1 EL2 37.1 ALF 173.69

LAUNCH DATE DEC 3 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 407.173

RL 147.46 LAL .00 LOL 70.62 VL 27.586 GAL -4.30 AZL 88.07 HCA 193.22 SMA 127.73 ECC .17128 INC 1.9290 V1 30.214
 RP 108.71 LAP -.44 LOP 263.84 VP 37.452 GAP 4.91 AZP 91.88 TAL 201.64 TAP 34.87 RCA 105.85 APO 149.61 V2 34.860
 RC 120.382 GL 15.84 GP 13.98 ZAL 122.14 ZAP 139.06 ETS 14.28 ZAE 136.18 ETE 167.15 ZAC 36.17 ETC 172.52 CLP-141.12

PLANETOCENTRIC CONIC

C3 11.913 VHL 3.393 DLA -3.15 RAL 305.49 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.010 CPA -8.22 RAP 302.89 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 34 1992.95 -13.65 27.91 158.14 115.05 3 53 47 1392.9 -10.16 20.97
 90.00 14 31 49 4832.50 18.93 208.79 159.15 68.54 15 52 21 4232.5 15.84 201.47
 100.00 4 40 27 1735.30 -14.50 8.55 157.72 116.43 5 9 22 1135.3 -10.83 1.67
 100.00 15 54 38 4565.39 19.80 188.77 158.77 67.14 17 10 43 3965.4 16.53 181.50
 110.00 5 45 19 1532.23 -16.75 351.87 156.45 120.24 6 10 51 932.2 -12.61 345.21
 110.00 17 6 15 4341.23 22.13 170.60 157.62 63.26 18 18 36 3741.2 18.36 163.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4782 TRA -.7861 TC3-5.0034 BAU .7798 SGT 3734.7 SGR 544.8 SGT 500.1 ST 906.4 SR 66.3 SS 585.2
 RDE -.0376 RRA .0191 RC3 .7959 FAU .10840 RRT -.9476 RRF -.9843 RTF .9501 CRT -.9457 CRS .9845 CST -.9201
 FDE .9940 FRA -.1793 FC3-8.1509 BSP 11811 SGB 3774.3 R23 .2568 R13 -.9518 LSA 1062.9 MSA 196.2 SSA 9.4
 BDE .4797 BRA .7863 BC3 5.0664 FSP -1651 SGI 3770.3 SG2 172.4 TMA 172.11 EL1 908.6 EL2 21.5 ALF 176.04

LAUNCH DATE DEC 3 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 413.182

RL 147.46 LAL .00 LOL 70.62 VL 27.548 GAL -4.08 AZL 87.78 HCA 196.40 SMA 127.47 ECC .17188 INC 2.2213 V1 30.214
 RP 108.74 LAP -.63 LOP 267.01 VP 37.415 GAP 5.17 AZP 92.13 TAL 200.40 TAP 36.79 RCA 105.56 APO 149.38 V2 34.851
 RC 122.731 GL 18.21 GP 11.06 ZAL 119.92 ZAP 141.74 ETS 12.04 ZAE 135.64 ETE 170.34 ZAC 37.65 ETC 168.68 CLP-143.14

PLANETOCENTRIC CONIC

C3 11.620 VML 3.409 DLA -.42 RAL 306.67 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 4.084 DPA -10.87 RAP 304.55 ECC 1.1912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 58 2079.77 -16.09 33.12 159.80 113.62 3 39 38 1479.8 -12.76 26.03
 90.00 14 56 51 4749.55 16.78 203.65 159.93 66.85 16 16 0 4149.5 13.51 196.50
 100.00 4 26 7 1818.01 -16.94 13.47 159.39 115.00 4 56 25 1218.0 -13.43 6.44
 100.00 16 18 23 4486.54 17.64 183.91 159.53 65.47 17 33 9 3886.5 14.18 176.82
 110.00 5 33 55 1605.77 -19.22 356.14 158.18 118.82 6 0 41 1005.8 -15.23 349.30
 110.00 17 27 4 4271.54 19.93 166.38 158.33 61.64 18 38 16 3671.5 15.99 159.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6034 TRA -.7890 TC3-5.1338 BAU .8044 SGT 3877.9 SGR 460.0 SG3 485.0 ST 1094.5 SR 41.4 SS 662.9
 RDE -.0230 RRA .0113 RC3 .6717 FAU .10411 RRT -.9346 RRF -.9674 RTF .9497 CRT -.9465 CRS .9618 CST -.9426
 FDE 1.1133 FRA -.1191 FC3-7.7565 BSP 12293 SGB 3905.1 R23 .2200 R13 -.9508 LSA 1265.8 MSA 191.6 SSA 10.2
 BDE .6039 BRA .7891 BC3 5.1776 FSP -1613 SG1 3901.7 SG2 162.6 TMA 173.66 EL1 1095.2 EL2 13.3 ALF 177.95

LAUNCH DATE DEC 3 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 419.178

RL 147.46 LAL .00 LOL 70.62 VL 27.508 GAL -3.86 AZL 87.58 HCA 199.57 SMA 127.20 ECC .17256 INC 2.4204 V1 30.214
 RP 108.76 LAP -.81 LOP 270.17 VP 37.378 GAP 5.43 AZP 92.28 TAL 199.11 TAP 38.68 RCA 105.25 APO 149.15 V2 34.842
 RC 125.075 GL 19.84 GP 9.09 ZAL 117.76 ZAP 144.04 ETS 10.48 ZAE 134.96 ETE 172.43 ZAC 39.22 ETC 166.35 CLP-145.05

PLANETOCENTRIC CONIC

C3 11.668 VML 3.416 DLA 1.64 RAL 308.08 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 4.177 DPA -12.57 RAP 306.18 ECC 1.1920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 21 2144.37 -17.80 37.08 161.62 112.39 3 31 5 1544.4 -14.62 29.86
 90.00 15 17 42 4686.66 15.06 199.83 161.08 65.73 16 35 49 4086.7 11.66 192.81
 100.00 4 17 27 1879.53 -18.67 17.22 161.23 113.78 4 48 46 1279.5 -15.30 10.05
 100.00 16 38 17 4426.74 15.91 180.31 160.67 64.36 17 52 4 3826.7 12.33 173.35
 110.00 5 27 27 1660.44 -20.98 359.40 160.04 117.62 5 55 7 1060.4 -17.12 352.41
 110.00 17 44 46 4218.59 18.19 163.27 159.43 60.55 18 55 5 3618.6 14.13 156.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7313 TRA -.7502 TC3-5.1946 BAU .8154 SGT 3960.2 SGR 397.8 SG3 457.8 ST 1287.9 SR 22.6 SS 748.1
 RDE -.0114 RRA -.0003 RC3 .5816 FAU .09625 RRT -.9096 RRF -.9384 RTF .9446 CRT -.8503 CRS .8842 CST -.9550
 FDE 1.2327 FRA .0129 FC3-7.1413 BSP 12146 SGB 3980.2 R23 .1871 R13 -.9454 LSA 1476.9 MSA 193.5 SSA 10.5
 BDE .7314 BRA .7502 BC3 5.2271 FSP -1437 SG1 3976.8 SG2 164.6 TMA 174.77 EL1 1288.0 EL2 11.9 ALF 179.15

LAUNCH DATE DEC 3 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 425.153

RL 147.46 LAL .00 LOL 70.62 VL 27.468 GAL -3.63 AZL 87.43 HCA 202.74 SMA 126.94 ECC .17334 INC 2.5658 V1 30.214
 RP 108.79 LAP -.99 LOP 273.34 VP 37.341 GAP 5.68 AZP 92.37 TAL 197.80 TAP 40.54 RCA 104.93 APO 148.94 V2 34.834
 RC 127.413 GL 21.04 GP 7.66 ZAL 115.61 ZAP 146.09 ETS 9.36 ZAE 134.26 ETE 173.87 ZAC 40.83 ETC 164.90 CLP-146.87

PLANETOCENTRIC CONIC

C3 11.684 VML 3.418 DLA 3.32 RAL 309.64 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.282 DPA -13.70 RAP 307.83 ECC 1.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 4 2196.85 -19.13 40.36 163.54 111.28 3 25 41 1596.9 -16.07 33.02
 90.00 15 36 26 4634.75 13.58 196.74 162.47 64.91 16 53 41 4034.8 10.09 189.80
 100.00 4 11 58 1929.48 -20.01 20.32 163.16 112.68 4 44 7 1329.5 -16.77 13.03
 100.00 16 56 14 4377.36 14.44 177.38 162.04 63.54 18 9 11 3777.4 10.77 170.52
 110.00 5 23 46 1704.74 -22.36 2.11 162.01 116.56 5 52 11 1104.7 -18.61 354.98
 110.00 18 0 55 4174.86 16.71 160.74 160.77 59.74 19 10 30 3574.9 12.56 154.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8097 TRA -.7349 TC3-5.3827 BAU .8450 SGT 4111.6 SGR 368.9 SG3 442.8 ST 1411.1 SR 14.2 SS 767.8
 RDE .0050 RRA -.0058 RC3 .5392 FAU .09252 RRT -.8791 RRF -.9053 RTF .9461 CRT .5615 CRS -.5344 CST -.9611
 FDE 1.2353 FRA .0589 FC3-6.8551 BSP 12847 SGB 4128.2 R23 .1513 R13 -.9466 LSA 1595.5 MSA 187.7 SSA 11.7
 BDE .8097 BRA .7349 BC3 5.4096 FSP -1439 SG1 4124.4 SG2 175.3 TMA 175.48 EL1 1411.2 EL2 11.7 ALF .32

LAUNCH DATE DEC 3 1965

FLIGHT TIME 148.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 431.114

RL 147.46 LAL .00 LOL 70.62 VL 27.428 GAL -3.39 AZL 87.32 HCA 205.91 SMA 126.67 ECC .17421 INC 2.6770 V1 30.214
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.304 GAP 5.94 AZP 92.41 TAL 196.45 TAP 42.36 RCA 104.60 APO 148.73 V2 34.826
 RC 129.747 GL 21.97 GP 6.59 ZAL 113.45 ZAP 147.97 ETS 8.53 ZAE 133.59 ETE 174.89 ZAC 42.48 ETC 163.99 CLP-148.59

PLANETOCENTRIC CONIC

C3 11.684 VML 3.418 DLA 4.78 RAL 311.34 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.392 DPA -14.44 RAP 309.52 ECC 1.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 54 2242.41 -20.23 43.25 165.57 110.24 3 22 16 1642.4 -17.30 35.81
 90.00 15 54 10 4589.18 12.25 194.05 164.03 64.27 17 10 39 3989.2 8.69 187.18
 100.00 4 8 29 1972.79 -21.13 23.06 165.21 111.65 4 41 22 1372.8 -18.00 15.66
 100.00 17 13 15 4334.03 13.11 174.85 163.60 62.89 18 25 29 3734.0 9.37 168.06
 110.00 5 21 53 1743.08 -23.51 4.49 164.09 115.56 5 50 56 1143.1 -19.87 357.24
 110.00 18 16 21 4136.51 15.38 158.56 162.30 59.09 19 25 17 3536.5 11.17 151.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8915 TRA -.6982 TC3-5.5355 BAU .8683 SGT 4234.7 SGR 348.7 SG3 424.1 ST 1539.5 SR 33.7 SS 793.3
 RDE .0187 RRA -.0129 RC3 .5070 FAU .08760 RRT -.8392 RRF -.8632 RTF .9454 CRT .9257 CRS -.9034 CST -.9657
 FDE 1.2439 FRA .1310 FC3-6.4912 BSP 13280 SGB 4249.0 R23 .1255 R13 -.9458 LSA 1722.4 MSA 184.3 SSA 12.7
 BDE .8917 BRA .6984 BC3 5.5586 FSP -1389 SG1 4244.8 SG2 189.2 TMA 176.04 EL1 1539.9 EL2 12.8 ALF 1.16

LAUNCH DATE DEC 3 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 437.059

RL 147.46 LAL .00 LOL 70.62 VL 27.387 GAL -3.14 AZL 87.23 MCA 209.07 SMA 126.39 ECC .17518 INC 2.7656 VI 30.214
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.267 GAP 6.19 AZP 92.42 TAL 195.08 TAP 44.15 RCA 104.25 APO 148.54 V2 34.819
 RC 132.074 GL 22.71 GP 5.76 ZAL 111.24 ZAP 149.71 ETS 7.91 ZAE 132.98 ETE 175.64 ZAC 44.17 ETC 163.45 CLP-150.21

PLANETOCENTRIC CONIC

C3 11.680 VHL 3.418 OLA 6.10 RAL 313.16 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 4.508 DPA -14.90 RAP 311.25 ECC 1.1922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 8 2283.86 -21.19 45.92 167.72 109.24 3 20 12 1683.9 -18.37 38.38
 90.00 16 11 26 4547.60 11.01 191.63 165.77 63.75 17 27 13 3947.6 7.40 184.81
 100.00 4 6 22 2012.16 -22.09 25.58 167.37 110.66 4 39 54 1412.2 -19.08 18.08
 100.00 17 29 32 4294.53 11.87 172.57 165.32 62.36 18 41 27 3694.5 8.08 165.84
 110.00 5 21 14 1777.85 -24.51 6.70 166.27 114.61 5 50 52 1177.9 -20.98 359.33
 110.00 18 31 30 4101.60 14.15 156.61 164.00 58.55 19 39 51 3501.6 9.88 150.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9705 TRA -.6508 TC3-5.6810 BAU .0903 SGT 4350.8 SGR 336.9 SG3 405.7 ST 1664.2 SR 54.4 SS 815.4
 RDE .0313 RRA -.0203 RC3 .4843 FAU .08276 RRT -.7930 RRF -.8154 RTF .9446 CRT .9680 CRS -.9418 CST -.9693
 FDE 1.2449 FRA .2037 FC3-6.1341 BSP 13666 SGB 4363.8 R23 .1061 R13 -.9449 LSA 1845.1 MSA 181.0 SSA 13.6
 BDE .9711 BRA .6511 BC3 5.7016 FSP -1332 SG1 4359.0 SG2 204.9 THA 176.48 EL1 1665.0 EL2 13.7 ALF 1.81

LAUNCH DATE DEC 3 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 442.989

RL 147.46 LAL .00 LOL 70.62 VL 27.345 GAL -2.88 AZL 87.16 MCA 212.24 SMA 126.12 ECC .17626 INC 2.8380 VI 30.214
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.230 GAP 6.44 AZP 92.40 TAL 193.68 TAP 45.92 RCA 103.89 APO 148.35 V2 34.812
 RC 134.395 GL 23.30 GP 5.11 ZAL 108.98 ZAP 151.33 ETS 7.45 ZAE 132.43 ETE 176.20 ZAC 45.90 ETC 163.15 CLP-151.76

PLANETOCENTRIC CONIC

C3 11.683 VHL 3.418 OLA 7.33 RAL 315.08 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.628 DPA -15.16 RAP 313.04 ECC 1.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 23 2322.88 -22.04 48.46 169.99 108.24 3 19 5 1722.9 -19.34 40.83
 90.00 16 28 34 4508.68 9.83 189.38 167.65 63.31 17 43 42 3908.7 6.17 182.61
 100.00 4 5 14 2049.19 -22.96 27.99 169.64 109.68 4 39 23 1449.2 -20.07 20.39
 100.00 17 46 23 4257.61 10.70 170.46 167.19 61.92 18 57 21 3657.6 6.86 163.77
 110.00 5 21 30 1810.50 -25.42 8.80 168.57 113.67 5 51 41 1210.5 -22.00 1.31
 110.00 18 46 37 4069.06 12.98 154.80 165.84 58.10 19 54 26 3469.1 8.68 148.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0477 TRA -.5934 TC3-5.8167 BAU .9114 SGT 4461.1 SGR 331.2 SG3 388.1 ST 1785.9 SR 74.2 SS 833.8
 RDE .0431 RRA -.0278 RC3 .4678 FAU .07809 RRT -.7429 RRF -.7642 RTF .9436 CRT .9805 CRS -.9493 CST -.9722
 FDE 1.2392 FRA .2755 FC3-5.7866 BSP 14031 SGB 4473.4 R23 .0918 R13 -.9439 LSA 1964.2 MSA 177.8 SSA 14.5
 BDE 1.0486 BRA .5940 BC3 5.8355 FSP -1277 SG1 4467.9 SG2 221.3 THA 176.84 EL1 1787.3 EL2 14.6 ALF 2.33

LAUNCH DATE DEC 3 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 448.904

RL 147.46 LAL .00 LOL 70.62 VL 27.304 GAL -2.61 AZL 87.10 MCA 215.41 SMA 125.85 ECC .17745 INC 2.8988 VI 30.214
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.194 GAP 6.68 AZP 92.36 TAL 192.25 TAP 47.66 RCA 103.52 APO 148.18 V2 34.806
 RC 136.709 GL 23.78 GP 4.57 ZAL 106.66 ZAP 152.86 ETS 7.10 ZAE 131.93 ETE 176.63 ZAC 47.67 ETC 163.02 CLP-153.22

PLANETOCENTRIC CONIC

C3 11.700 VHL 3.421 OLA 8.49 RAL 317.12 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.750 DPA -15.27 RAP 314.87 ECC 1.1926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 23 2360.54 -22.82 50.95 172.38 107.23 3 18 43 1760.5 -20.25 43.22
 90.00 16 45 46 4471.64 8.69 187.25 169.68 62.94 18 0 18 3871.6 4.99 180.52
 100.00 4 4 51 2084.90 -23.76 30.34 172.05 108.69 4 39 35 1484.9 -20.99 22.64
 100.00 18 3 0 4222.51 9.57 168.47 169.22 61.54 19 13 22 3622.5 5.69 161.82
 110.00 5 22 29 1841.94 -26.26 10.85 171.01 112.71 5 53 11 1241.9 -22.95 3.26
 110.00 19 1 51 4038.24 11.87 153.11 167.84 57.71 20 9 9 3438.2 7.52 146.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1232 TRA -.5283 TC3-5.9438 BAU .9325 SGT 4568.9 SGR 329.9 SG3 371.6 ST 1904.4 SR 93.0 SS 848.9
 RDE .0542 RRA -.0354 RC3 .4553 FAU .07374 RRT -.6914 RRF -.7121 RTF .9429 CRT .9850 CRS -.9494 CST -.9746
 FDE 1.2286 FRA .3420 FC3-5.4559 BSP 14401 SGB 4580.8 R23 .0809 R13 -.9431 LSA 2079.7 MSA 174.4 SSA 15.4
 BDE 1.1245 BRA .5295 BC3 5.9612 FSP -1228 SG1 4574.6 SG2 238.0 THA 177.13 EL1 1906.6 EL2 16.0 ALF 2.75

LAUNCH DATE DEC 3 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 454.804

RL 147.46 LAL .00 LOL 70.62 VL 27.262 GAL -2.33 AZL 87.05 MCA 218.57 SMA 125.58 ECC .17876 INC 2.9508 VI 30.214
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.159 GAP 6.93 AZP 92.31 TAL 190.80 TAP 49.37 RCA 103.13 APO 148.03 V2 34.801
 RC 139.015 GL 24.16 GP 4.13 ZAL 104.27 ZAP 154.31 ETS 6.85 ZAE 131.49 ETE 176.97 ZAC 49.49 ETC 163.00 CLP-154.62

PLANETOCENTRIC CONIC

C3 11.739 VHL 3.426 OLA 9.61 RAL 319.25 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 4.876 DPA -15.24 RAP 316.76 ECC 1.1932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 59 2397.57 -23.55 53.42 174.91 106.20 3 18 56 1797.6 -21.10 45.60
 90.00 17 3 11 4435.99 7.58 185.22 171.87 62.64 18 17 7 3836.0 3.85 178.52
 100.00 4 5 3 2119.97 -24.51 32.68 174.58 107.67 4 40 23 1520.0 -21.86 24.88
 100.00 18 19 48 4188.81 8.47 166.57 171.39 61.22 19 29 37 3588.8 4.56 159.96
 110.00 5 24 3 1872.77 -27.05 12.90 173.57 111.74 5 55 16 1272.8 -23.86 5.19
 110.00 19 17 18 4008.78 10.79 151.51 169.99 57.37 20 24 7 3408.8 6.41 145.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2016 TRA -.4513 TC3-6.0453 BAU .9513 SGT 4667.3 SGR 331.2 SG3 355.5 ST 2026.4 SR 110.6 SS 864.4
 RDE .0646 RRA -.0433 RC3 .4441 FAU .06938 RRT -.6388 RRF -.6589 RTF .9418 CRT .9859 CRS -.9456 CST -.9768
 FDE 1.2190 FRA .4103 FC3-5.1170 BSP 14699 SGB 4679.1 R23 .0721 R13 -.9420 LSA 2199.1 MSA 171.2 SSA 16.2
 BDE 1.2034 BRA .4534 BC3 6.0616 FSP -1172 SG1 4672.1 SG2 254.5 THA 177.40 EL1 2029.3 EL2 18.5 ALF 3.08

LAUNCH DATE DEC 3 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 460.688

RL 147.46 LAL .00 LOL 70.62 VL 27.220 GAL -2.03 AZL 87.00 MCA 221.74 SMA 125.31 ECC .18019 INC 2.9960 V1 30.214
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.124 GAP 7.18 AZP 92.24 TAL 189.32 TAP 51.06 RCA 102.73 APO 147.89 V2 34.797
 RC 141.312 GL 24.44 GP 3.77 ZAL 101.82 ZAP 155.68 ETS 6.68 ZAE 131.09 ETE 177.24 ZAC 51.34 ETC 163.07 CLP-155.96

PLANETOCENTRIC CONIC

C3 11.805 VHL 3.436 OLA 10.70 RAL 321.48 RAD 6567.4 VEL 11.541 PTH 2.01 VHP 5.005 DPA -15.11 RAP 318.68 ECC 1.1943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 4 2434.42 -24.22 55.90 177.57 105.13 3 19 39 1834.4 -21.91 48.00
 90.00 17 20 53 4401.49 6.50 183.27 174.21 62.38 18 34 15 3801.5 2.75 176.59
 100.00 4 5 45 2154.85 -25.21 35.04 177.26 106.62 4 41 40 1554.9 -22.69 27.14
 100.00 18 36 53 4156.29 7.40 164.75 173.72 60.95 19 46 10 3556.3 3.47 158.17
 110.00 5 26 7 1903.40 -27.81 14.96 176.28 110.73 5 57 50 1303.4 -24.74 7.14
 110.00 19 33 1 3980.51 9.75 149.98 172.29 57.07 20 39 22 3380.5 5.35 143.66

DIFFERENTIAL CORRECTIONS

TDE 1.2788 TRA -.3684 TC3-6.1349 BAU .9706
 RDE .0748 RRA -.0511 RC3 .4343 FAU .06541
 FDE 1.2053 FRA -.4710 FC3-4.7970 BSP 15030
 BDE 1.2809 BRA .3719 BC3 6.1503 FSP -1125

MID-COURSE EXECUTION ACCURACY

SGT 4765.5 SGR 334.9 SG3 340.6
 RRT -.5877 RRF -.6077 RTF .9411
 SGB 4777.3 R23 .0652 R13 -.9413
 SG1 4769.6 SG2 270.7 THA 177.63

ORBIT DETERMINATION ACCURACY

ST 2144.4 SR 127.7 SS 876.4
 CRT .9848 CRS -.9410 C6T -.9788
 LSA 2314.0 MSA 167.7 SSA 16.9
 EL1 2148.1 EL2 22.2 ALF 3.36

LAUNCH DATE DEC 3 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 466.557

RL 147.46 LAL .00 LOL 70.62 VL 27.178 GAL -1.73 AZL 86.96 MCA 224.90 SMA 125.04 ECC .18176 INC 3.0359 V1 30.214
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.089 GAP 7.42 AZP 92.15 TAL 187.83 TAP 52.73 RCA 102.31 APO 147.76 V2 34.793
 RC 143.598 GL 24.65 GP 3.46 ZAL 99.31 ZAP 156.99 ETS 6.58 ZAE 130.74 ETE 177.46 ZAC 53.24 ETC 163.20 CLP-157.24

PLANETOCENTRIC CONIC

C3 11.904 VHL 3.450 OLA 11.76 RAL 323.80 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 5.137 DPA -14.89 RAP 320.64 ECC 1.1959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 34 2471.42 -24.86 58.43 180.38 104.02 3 20 46 1871.4 -22.69 50.43
 90.00 17 38 54 4368.02 5.44 181.38 176.70 62.17 18 51 42 3768.0 1.67 174.72
 100.00 4 6 53 2189.84 -25.87 37.43 180.08 105.53 4 43 23 1589.8 -23.49 29.44
 100.00 18 54 17 4124.83 6.35 163.00 176.19 60.73 20 3 1 3524.8 2.40 156.44
 110.00 5 28 37 1934.08 -28.53 17.05 179.13 109.68 6 0 51 1334.1 -25.58 9.12
 110.00 19 49 2 3953.36 8.74 148.53 174.73 56.82 20 54 55 3353.4 4.31 142.24

DIFFERENTIAL CORRECTIONS

TDE 1.3560 TRA -.2762 TC3-6.2042 BAU .9897
 RDE .0849 RRA -.0589 RC3 .4245 FAU .06170
 FDE 1.1887 FRA .5292 FC3-4.4868 BSP 15360
 BDE 1.3587 BRA .2824 BC3 6.2187 FSP -1083

MID-COURSE EXECUTION ACCURACY

SGT 4860.0 SGR 340.1 SG3 326.6
 RRT -.5384 RRF -.5588 RTF .9406
 SGB 4871.9 R23 .0601 R13 -.9408
 SG1 4863.4 SG2 286.4 THA 177.83

ORBIT DETERMINATION ACCURACY

ST 2259.9 SR 144.4 SS 885.3
 CRT .9823 CRS -.9354 CST -.9805
 LSA 2425.7 MSA 164.2 SSA 17.6
 EL1 2264.3 EL2 27.0 ALF 3.59

LAUNCH DATE DEC 3 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 472.410

RL 147.46 LAL .00 LOL 70.62 VL 27.136 GAL -1.41 AZL 86.93 MCA 228.06 SMA 124.77 ECC .18348 INC 3.0717 V1 30.214
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.055 GAP 7.67 AZP 92.05 TAL 186.31 TAP 54.38 RCA 101.88 APO 147.66 V2 34.790
 RC 145.874 GL 24.76 GP 3.19 ZAL 96.74 ZAP 158.24 ETS 6.53 ZAE 130.44 ETE 177.64 ZAC 55.17 ETC 163.37 CLP-158.46

PLANETOCENTRIC CONIC

C3 12.043 VHL 3.470 OLA 12.79 RAL 326.21 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 5.273 DPA -14.60 RAP 322.63 ECC 1.1982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 26 2508.76 -25.45 61.01 183.32 102.85 3 22 15 1908.8 -23.43 52.92
 90.00 17 57 15 4335.56 4.40 179.55 179.33 62.00 19 9 30 3735.6 .62 172.91
 100.00 4 8 23 2225.11 -26.49 39.86 183.04 104.39 4 45 29 1625.1 -24.25 31.78
 100.00 19 11 59 4094.44 5.34 161.31 178.82 60.54 20 20 13 3494.4 1.37 154.77
 110.00 5 31 32 1964.98 -29.22 19.19 182.13 108.58 6 4 17 1365.0 -26.41 11.14
 110.00 20 5 20 3927.34 7.77 147.14 177.32 56.61 21 10 47 3327.3 3.32 140.87

DIFFERENTIAL CORRECTIONS

TDE 1.4347 TRA -.1755 TC3-6.2495 BAU 1.0084
 RDE .0949 RRA -.0668 RC3 .4140 FAU .05823
 FDE 1.1719 FRA .5842 FC3-4.1858 BSP 15689
 BDE 1.4378 BRA .1878 BC3 6.2632 FSP -1044

MID-COURSE EXECUTION ACCURACY

SGT 4951.1 SGR 346.2 SG3 313.5
 RRT -.4911 RRF -.5123 RTF .9403
 SGB 4963.2 R23 .0560 R13 -.9405
 SG1 4954.0 SG2 301.4 THA 178.03

ORBIT DETERMINATION ACCURACY

ST 2373.9 SR 160.5 SS 892.6
 CRT .9788 CRS -.9294 CST -.9820
 LSA 2536.1 MSA 160.9 SSA 18.3
 EL1 2379.1 EL2 32.8 ALF 3.79

LAUNCH DATE DEC 3 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 478.247

RL 147.46 LAL .00 LOL 70.62 VL 27.093 GAL -1.09 AZL 86.90 MCA 231.22 SMA 124.50 ECC .18534 INC 3.1040 V1 30.214
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.022 GAP 7.93 AZP 91.95 TAL 184.78 TAP 56.00 RCA 101.42 APO 147.58 V2 34.787
 RC 148.138 GL 24.80 GP 2.96 ZAL 94.12 ZAP 159.44 ETS 6.54 ZAE 130.17 ETE 177.79 ZAC 57.14 ETC 163.57 CLP-159.65

PLANETOCENTRIC CONIC

C3 12.228 VHL 3.497 OLA 13.79 RAL 328.70 RAD 6567.5 VEL 11.559 PTH 2.02 VHP 5.412 DPA -14.23 RAP 324.65 ECC 1.2012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 38 2546.58 -26.00 63.64 186.42 101.64 3 24 5 1946.6 -24.13 55.47
 90.00 18 15 55 4304.16 3.40 177.80 182.12 61.87 19 27 39 3704.2 -.39 171.16
 100.00 4 10 15 2260.80 -27.07 42.36 186.15 103.20 4 47 56 1660.8 -24.98 34.18
 100.00 19 29 59 4065.18 4.36 159.70 181.59 60.40 20 37 44 3465.2 .38 153.16
 110.00 5 34 49 1996.19 -29.88 21.39 185.28 107.44 6 8 5 1396.2 -27.20 13.22
 110.00 20 21 55 3902.54 6.84 145.82 180.06 56.43 21 26 57 3302.5 2.38 139.58

DIFFERENTIAL CORRECTIONS

TDE 1.5157 TRA -.0650 TC3-6.2628 BAU 1.0259
 RDE .1049 RRA -.0745 RC3 .4020 FAU .05483
 FDE 1.1560 FRA .6373 FC3-3.8823 BSP 16000
 BDE 1.5194 BRA .0989 BC3 6.2757 FSP -1006

MID-COURSE EXECUTION ACCURACY

SGT 5036.3 SGR 352.7 SG3 300.7
 RRT -.4451 RRF -.4667 RTF .9400
 SGB 5048.6 R23 .0521 R13 -.9401
 SG1 5038.7 SG2 315.7 THA 178.21

ORBIT DETERMINATION ACCURACY

ST 2487.2 SR 176.2 SS 899.2
 CRT .9745 CRS -.9230 CST -.9835
 LSA 2645.9 MSA 158.1 SSA 18.8
 EL1 2493.2 EL2 39.5 ALF 3.95

LAUNCH DATE DEC 3 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC DISTANCE 484.068

RL 147.46 LAL .00 LOL 70.62 VL 27.051 GAL -.74 AZL 86.87 HCA 234.38 SMA 124.23 ECC .18738 INC 3.1336 V1 30.214
 RP 108.94 LAP -2.55 LOP 304.97 VP 36.990 GAP 8.18 AZP 91.83 TAL 183.23 TAP 57.62 RCA 100.96 APO 147.51 V2 34.786
 RC 150.390 GL 24.76 GP 2.76 ZAL 91.45 ZAP 160.59 ETS 6.59 ZAE 129.94 ETE 177.91 ZAC 59.14 ETC 163.78 CLP-160.78

PLANETOCENTRIC CONIC

C3 12.463 VHL 3.530 DLA 14.77 RAL 331.26 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 5.556 DPA -13.80 RAP 326.70 ECC 1.2051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 9 2584.93 -26.49 66.34 189.65 100.38 3 26 14 1984.9 -24.79 58.08
 90.00 18 34 53 4273.93 2.42 176.11 185.06 61.78 19 46 7 3673.9 -1.37 169.48
 100.00 4 12 27 2296.93 -27.60 44.91 189.41 101.96 4 50 44 1696.9 -25.68 36.64
 100.00 19 48 16 4037.16 3.41 158.15 184.51 60.28 20 55 33 3437.2 -.57 151.63
 110.00 5 38 28 2027.77 -30.50 23.64 188.57 106.24 6 12 16 1427.8 -27.97 15.35
 110.00 20 38 44 3879.08 5.95 144.58 182.94 56.28 21 43 23 3279.1 1.48 138.35

DIFFERENTIAL CORRECTIONS

TDE 1.6015 TRA .0583 TC3-6.2355 BAU 1.0410
 RDE .1150 RRA -.0824 RC3 .3880 FAU .05143
 FDE 1.1431 FRA .6926 FC3-3.5725 BSP 16196
 BDE 1.6056 BRA .1009 BC3 6.2475 FSP -959

MID-COURSE EXECUTION ACCURACY

SGT 5113.6 SGR 359.2 SG3 288.6
 RRT -.3999 RRF -.4213 RTF .9392
 SGB 5126.2 R23 .0481 R13 -.9393
 SG1 5115.6 SG2 329.1 TMA 178.38

ORBIT DETERMINATION ACCURACY

ST 2602.7 SR 191.4 SS 906.8
 CRT .9694 CRS -.9160 CST -.9848
 LSA 2758.3 MSA 156.0 SSA 19.2
 EL1 2609.3 EL2 46.9 ALF 4.08

LAUNCH DATE DEC 3 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC DISTANCE 489.871

RL 147.46 LAL .00 LOL 70.62 VL 27.009 GAL -.39 AZL 86.84 HCA 237.54 SMA 123.97 ECC .18958 INC 3.1609 V1 30.214
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.958 GAP 8.44 AZP 91.70 TAL 181.67 TAP 59.21 RCA 100.47 APO 147.47 V2 34.785
 RC 152.629 GL 24.64 GP 2.59 ZAL 88.75 ZAP 161.70 ETS 6.69 ZAE 129.73 ETE 178.02 ZAC 61.18 ETC 164.01 CLP-161.88

PLANETOCENTRIC CONIC

C3 12.758 VHL 3.572 DLA 15.71 RAL 333.90 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.704 DPA -13.31 RAP 328.76 ECC 1.2100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 57 2623.78 -26.94 69.09 193.02 99.07 3 28 41 2023.8 -25.41 60.76
 90.00 18 54 5 4245.06 1.49 174.49 188.14 61.72 20 4 50 3645.1 -2.30 167.87
 100.00 4 14 58 2333.50 -28.09 47.52 192.80 100.67 4 53 51 1733.5 -26.33 39.16
 100.00 20 6 45 4010.58 2.51 156.69 187.58 60.20 21 13 36 3410.6 -1.47 150.17
 110.00 5 42 29 2059.69 -31.09 25.94 192.01 104.99 6 16 48 1459.7 -28.72 17.54
 110.00 20 55 44 3857.15 5.12 143.43 185.95 56.16 22 0 1 3257.2 .64 137.21

DIFFERENTIAL CORRECTIONS

TDE 1.6828 TRA .1856 TC3-6.1940 BAU 1.0584
 RDE .1258 RRA -.0897 RC3 .3731 FAU .04849
 FDE 1.1225 FRA .7384 FC3-3.2907 BSP 16540
 BDE 1.6875 BRA .2062 BC3 6.2052 FSP -933

MID-COURSE EXECUTION ACCURACY

SGT 5192.4 SGR 366.1 SG3 277.1
 RRT -.3581 RRF -.3808 RTF .9395
 SGB 5205.3 R23 .0460 R13 -.9396
 SG1 5194.1 SG2 341.8 TMA 178.55

ORBIT DETERMINATION ACCURACY

ST 2704.2 SR 206.8 SS 906.4
 CRT .9644 CRS -.9099 CST -.9859
 LSA 2855.4 MSA 153.8 SSA 19.5
 EL1 2711.6 EL2 54.6 ALF 4.22

LAUNCH DATE DEC 3 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC DISTANCE 495.656

RL 147.46 LAL .00 LOL 70.62 VL 26.967 GAL -.02 AZL 86.81 HCA 240.71 SMA 123.71 ECC .19199 INC 3.1864 V1 30.214
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.927 GAP 8.71 AZP 91.56 TAL 180.09 TAP 60.79 RCA 99.96 APO 147.46 V2 34.784
 RC 154.855 GL 24.45 GP 2.44 ZAL 86.01 ZAP 162.78 ETS 6.84 ZAE 129.56 ETE 178.12 ZAC 63.24 ETC 164.24 CLP-162.95

PLANETOCENTRIC CONIC

C3 13.119 VHL 3.622 DLA 16.62 RAL 336.59 RAD 6567.5 VEL 11.598 PTH 2.03 VHP 5.856 DPA -12.77 RAP 330.85 ECC 1.2159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 4 2663.12 -27.33 71.91 196.53 97.71 3 31 27 2063.1 -25.98 63.50
 90.00 19 13 28 4217.72 .61 172.97 191.37 61.69 20 23 46 3617.7 -3.18 166.34
 100.00 4 17 48 2370.48 -28.53 50.18 196.33 99.33 4 57 19 1770.5 -26.94 41.73
 100.00 20 25 25 3985.60 1.67 155.32 190.78 60.15 21 31 50 3385.6 -2.32 148.80
 110.00 5 46 50 2091.93 -31.63 28.29 195.60 103.70 6 21 42 1491.9 -29.42 19.78
 110.00 21 12 52 3836.91 4.36 142.37 189.10 56.06 22 16 49 3236.9 -.13 136.15

DIFFERENTIAL CORRECTIONS

TDE 1.7051 TRA .4283 TC3-6.1608 BAU 1.0823
 RDE .1396 RRA -.1021 RC3 .3577 FAU .04645
 FDE 1.0084 FRA .9798 FC3-3.0656 BSP 17204
 BDE 1.7108 BRA .4403 BC3 6.1712 FSP -931

MID-COURSE EXECUTION ACCURACY

SGT 5262.4 SGR 379.9 SG3 274.5
 RRT -.3401 RRF -.4108 RTF .9186
 SGB 5276.0 R23 .1031 R13 -.9188
 SG1 5264.0 SG2 357.1 TMA 178.59

ORBIT DETERMINATION ACCURACY

ST 2708.9 SR 226.7 SS 844.3
 CRT .9509 CRS -.8651 CST -.9766
 LSA 2840.2 MSA 187.8 SSA 19.4
 EL1 2717.5 EL2 70.0 ALF 4.55

LAUNCH DATE DEC 3 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC DISTANCE 501.423

RL 147.46 LAL .00 LOL 70.62 VL 26.925 GAL .36 AZL 86.79 HCA 243.87 SMA 123.45 ECC .19459 INC 3.2104 V1 30.214
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.897 GAP 8.98 AZP 91.42 TAL 178.50 TAP 62.36 RCA 99.43 APO 147.47 V2 34.785
 RC 157.067 GL 24.18 GP 2.30 ZAL 83.25 ZAP 163.82 ETS 7.03 ZAE 129.41 ETE 178.21 ZAC 65.34 ETC 164.47 CLP-163.98

PLANETOCENTRIC CONIC

C3 13.553 VHL 3.681 DLA 17.49 RAL 339.33 RAD 6567.5 VEL 11.616 PTH 2.04 VHP 6.015 DPA -12.19 RAP 332.95 ECC 1.2230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 28 2702.82 -27.66 74.76 200.16 96.31 3 34 30 2102.8 -26.50 66.29
 90.00 19 32 56 4192.16 -.21 171.54 194.71 61.68 20 42 49 3592.2 -4.00 164.91
 100.00 4 20 58 2407.73 -28.91 52.88 199.98 97.96 5 1 6 1807.7 -27.51 44.36
 100.00 20 44 7 3962.47 .88 154.05 194.10 60.12 21 50 10 3362.5 -3.10 147.52
 110.00 5 51 32 2124.37 -32.13 30.69 199.31 102.36 6 26 56 1524.4 -30.09 22.07
 110.00 21 30 3 3818.60 3.66 141.41 192.37 55.99 22 33 41 3218.6 -.83 135.20

DIFFERENTIAL CORRECTIONS

TDE 1.8616 TRA .4785 TC3-5.9808 BAU 1.0854
 RDE .1483 RRA -.1037 RC3 .3366 FAU .04242
 FDE 1.0965 FRA .8356 FC3-2.7098 BSP 16893
 BDE 1.8675 BRA .4896 BC3 5.9903 FSP -847

MID-COURSE EXECUTION ACCURACY

SGT 5328.7 SGR 378.6 SG3 255.6
 RRT -.2749 RRF -.2957 RTF .9385
 SGB 5342.2 R23 .0380 R13 -.9385
 SG1 5329.8 SG2 363.9 TMA 178.88

ORBIT DETERMINATION ACCURACY

ST 2909.8 SR 236.5 SS 912.5
 CRT .9533 CRS -.8976 CST -.9880
 LSA 3054.8 MSA 152.3 SSA 19.8
 EL1 2918.5 EL2 71.2 ALF 4.43

LAUNCH DATE DEC 3 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.884 GAL .76 AZL 86.77 HCA 247.03 SMA 123.19 ECC .19741 INC 3.2330 V1 30.214
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.868 GAP 9.27 AZP 91.26 TAL 176.89 TAP 63.92 RCA 98.87 APO 147.51 V2 34.786
 RC 159.265 GL 23.84 GP 2.18 ZAL 80.48 ZAP 164.83 ETS 7.27 ZAE 129.29 ETE 178.28 ZAC 67.45 ETC 164.69 CLP-164.98

PLANETOCENTRIC CONIC
 C3 14.070 VHL 3.751 DLA 18.31 RAL 342.11 RAD 6567.6 VEL 11.639 PTH 2.04 VMP 6.179 DPA -11.56 RAP 335.06 ECC 1.2316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 10 2742.78 -27.93 77.66 203.90 94.88 3 37 53 2142.8 -26.96 69.13
 90.00 19 52 25 4168.60 -1.98 170.23 198.18 61.70 21 1 54 3568.6 -4.75 163.58
 100.00 4 24 27 2445.18 -29.23 55.62 203.75 96.55 5 5 12 1845.2 -28.02 47.03
 100.00 21 2 49 3941.43 .17 152.89 197.55 60.11 22 8 31 3341.4 -3.81 146.37
 110.00 5 56 34 2156.97 -32.58 33.13 203.15 100.98 6 32 31 1557.0 -30.72 24.40
 110.00 21 47 11 3802.41 3.04 140.56 195.75 55.94 22 50 34 3202.4 -1.45 134.35

DIFFERENTIAL CORRECTIONS
 TDE 1.9492 TRA .6375 TC3-5.8401 BAU 1.1002 SGT 5395.5 SGR 384.6 SG3 246.0 ST 2996.1 SR 251.2 SS 909.6
 RDE .1607 RRA -.1099 RC3 .3165 FAU .03989 RRT -.2365 RRF -.2577 RTF .9391 CRT .9480 CRS -.8924 CST -.9889
 FDE 1.0798 FRA .8781 FC3-2.4546 BSP 17185 SGB 5409.2 R23 .0355 R13 -.9392 LSA 3137.4 MSA 152.1 SSA 19.8
 BDE 1.9558 BRA .6469 BC3 5.8487 FSP -.825 SG1 5396.3 SG2 373.6 THA 179.03 EL1 3005.5 EL2 79.7 ALF 4.55

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.842 GAL 1.18 AZL 86.75 HCA 250.19 SMA 122.94 ECC .20047 INC 3.2547 V1 30.214
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.839 GAP 9.56 AZP 91.10 TAL 175.28 TAP 65.47 RCA 98.29 APO 147.58 V2 34.788
 RC 161.449 GL 23.43 GP 2.07 ZAL 77.72 ZAP 165.81 ETS 7.55 ZAE 129.18 ETE 178.36 ZAC 69.59 ETC 164.91 CLP-165.96

PLANETOCENTRIC CONIC
 C3 14.680 VHL 3.831 DLA 19.08 RAL 344.92 RAD 6567.6 VEL 11.665 PTH 2.05 VMP 6.350 DPA -10.90 RAP 337.18 ECC 1.2416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 12 2782.85 -28.13 80.57 207.74 93.43 3 41 35 2182.9 -27.35 71.99
 90.00 20 11 48 4147.32 -1.66 169.04 201.77 61.73 21 20 55 3547.3 -5.43 162.39
 100.00 4 28 17 2482.69 -29.49 58.38 207.62 95.12 5 9 40 1882.7 -28.47 49.72
 100.00 21 21 24 3922.72 -1.46 151.87 201.10 60.11 22 26 47 3322.7 -4.44 145.33
 110.00 6 1 57 2189.62 -32.97 35.59 207.10 99.57 6 38 27 1589.6 -31.30 26.77
 110.00 22 4 13 3788.55 2.51 139.83 199.24 55.90 23 7 21 3188.6 -1.98 133.63

DIFFERENTIAL CORRECTIONS
 TDE 2.0372 TRA .8064 TC3-5.6653 BAU 1.1134 SGT 5454.9 SGR 390.0 SG3 236.4 ST 3073.2 SR 265.9 SS 904.2
 RDE .1739 RRA -.1155 RC3 .2949 FAU .03737 RRT -.1984 RRF -.2195 RTF .9396 CRT .9429 CRS -.8875 CST -.9898
 FDE 1.0623 FRA .9186 FC3-2.2041 BSP 17435 SGB 5468.8 R23 .0328 R13 -.9397 LSA 3210.8 MSA 152.5 SSA 19.6
 BDE 2.0446 BRA .8147 BC3 5.6729 FSP -.798 SG1 5455.4 SG2 382.2 THA 179.18 EL1 3083.4 EL2 88.3 ALF 4.67

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.801 GAL 1.62 AZL 86.72 HCA 253.35 SMA 122.69 ECC .20379 INC 3.2755 V1 30.214
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.812 GAP 9.86 AZP 90.94 TAL 173.66 TAP 67.02 RCA 97.68 APO 147.69 V2 34.791
 RC 163.619 GL 22.96 GP 1.98 ZAL 74.97 ZAP 166.77 ETS 7.89 ZAE 129.10 ETE 178.42 ZAC 71.75 ETC 165.12 CLP-166.92

PLANETOCENTRIC CONIC
 C3 15.395 VHL 3.924 DLA 19.79 RAL 347.75 RAD 6567.6 VEL 11.695 PTH 2.06 VMP 6.529 DPA -10.19 RAP 339.31 ECC 1.2534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 34 2822.88 -28.25 83.50 211.67 91.98 3 45 37 2222.9 -27.68 74.88
 90.00 20 30 58 4128.57 -2.27 168.00 205.45 61.77 21 39 47 3528.6 -6.02 161.33
 100.00 4 32 28 2520.10 -29.69 61.14 211.59 93.68 5 14 28 1920.1 -28.86 52.43
 100.00 21 39 45 3906.58 -1.01 150.98 204.75 60.12 22 44 52 3306.6 -4.98 144.44
 110.00 6 7 41 2222.20 -33.31 38.08 211.15 98.14 6 44 43 1622.2 -31.83 29.16
 110.00 22 21 2 3777.25 2.08 139.24 202.82 55.87 23 23 59 3177.2 -2.41 133.04

DIFFERENTIAL CORRECTIONS
 TDE 2.1258 TRA .9867 TC3-5.4625 BAU 1.1257 SGT 5509.6 SGR 394.9 SG3 227.3 ST 3140.7 SR 280.2 SS 896.8
 RDE .1880 RRA -.1204 RC3 .2723 FAU .03495 RRT -.1609 RRF -.1819 RTF .9402 CRT .9379 CRS -.8829 CST -.9905
 FDE 1.0445 FRA .9585 FC3-1.9656 BSP 17667 SGB 5523.8 R23 .0303 R13 -.9402 LSA 3274.5 MSA 153.8 SSA 19.3
 BDE 2.1341 BRA .9940 BC3 5.4693 FSP -.771 SG1 5510.0 SG2 389.7 THA 179.34 EL1 3151.7 EL2 96.9 ALF 4.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.760 GAL 2.07 AZL 86.70 HCA 256.51 SMA 122.44 ECC .20738 INC 3.2957 V1 30.214
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.785 GAP 10.17 AZP 90.77 TAL 172.04 TAP 68.55 RCA 97.05 APO 147.83 V2 34.794
 RC 165.775 GL 22.44 GP 1.89 ZAL 72.24 ZAP 167.71 ETS 8.29 ZAE 129.03 ETE 178.49 ZAC 73.93 ETC 165.32 CLP-167.85

PLANETOCENTRIC CONIC
 C3 16.226 VHL 4.028 DLA 20.45 RAL 350.58 RAD 6567.7 VEL 11.731 PTH 2.07 VMP 6.716 DPA -9.46 RAP 341.44 ECC 1.2670
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 17 2862.69 -28.31 86.41 215.68 90.52 3 50 0 2262.7 -27.94 77.76
 90.00 20 49 48 4112.61 -2.78 167.10 209.21 61.81 21 58 21 3512.6 -6.53 160.43
 100.00 4 37 0 2557.28 -29.82 63.90 215.64 92.23 5 19 37 1957.3 -29.19 55.15
 100.00 21 57 47 3893.25 -1.46 150.25 208.48 60.14 23 2 40 3293.2 -5.43 143.70
 110.00 6 13 44 2254.62 -33.60 40.56 215.29 96.69 6 51 19 1654.6 -32.31 31.57
 110.00 22 37 32 3768.67 1.75 138.80 206.47 55.86 23 40 20 3168.7 -2.74 132.59

DIFFERENTIAL CORRECTIONS
 TDE 2.2196 TRA 1.1828 TC3-5.2247 BAU 1.1347 SGT 5559.6 SGR 399.1 SG3 218.8 ST 3205.1 SR 294.2 SS 891.6
 RDE .2029 RRA -.1246 RC3 .2489 FAU .03250 RRT -.1229 RRF -.1427 RTF .9404 CRT .9330 CRS -.8787 CST -.9912
 FDE 1.0313 FRA 1.0008 FC3-1.7337 BSP 17778 SGB 5573.9 R23 .0267 R13 -.9405 LSA 3336.2 MSA 155.7 SSA 19.0
 BDE 2.2288 BRA 1.1894 BC3 5.2307 FSP -.738 SG1 5559.8 SG2 396.1 THA 179.49 EL1 3216.9 EL2 105.5 ALF 4.90

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 529.918

RL 147.46 LAL .00 LOL 70.62 VL 26.719 GAL 2.55 AZL 86.68 HCA 259.68 SMA 122.19 ECC .21129 INC 3.3153 V1 30.214
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.759 GAP 10.50 AZP 90.59 TAL 170.41 TAP 70.09 RCA 96.38 APO 148.01 V2 34.798
 RC 167.915 GL 21.86 GP 1.81 ZAL 69.54 ZAP 168.63 ETS 8.76 ZAE 128.97 ETE 178.55 ZAC 76.13 ETC 165.51 CLP-168.77

PLANETOCENTRIC CONIC

C3 17.190 VHL 4.146 DLA 21.05 RAL 353.39 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 6.912 DPA -8.69 RAP 343.58 ECC 1.2829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 22 2902.06 -28.30 89.29 219.75 89.07 3 54 45 2502.1 -28.13 80.62
 90.00 21 8 12 4099.70 -3.19 166.38 213.05 61.85 22 16 31 3499.7 -6.94 159.70
 100.00 4 41 54 2594.04 -29.88 66.63 219.75 90.80 5 25 8 1994.0 -29.45 57.85
 100.00 22 15 21 3882.96 -1.81 149.69 212.28 60.16 23 20 4 3283.0 -5.77 143.13
 110.00 6 20 7 2286.76 -33.83 43.05 219.51 95.24 6 58 14 1686.8 -32.73 33.98
 110.00 22 53 38 3763.00 1.54 138.50 210.19 55.85 23 56 21 3163.0 -2.95 132.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.3086 TRA 1.3860 TC3-4.9769 BAU 1.1449 SGT 5605.5 SGR 402.8 SG3 210.4 ST 3251.5 SR 307.8 SS 881.4
 RDE .2189 RRA -.1278 RC3 .2254 FAU .03028 RRT -.0863 RRF -.1055 RTF .9413 CRT .9285 CRS -.8750 CST -.9918
 FDE 1.0141 FRA 1.0384 FC3-1.5252 BSP 17987 SGB 5619.9 R23 .0240 R13 -.9413 LSA 3379.2 MSA 158.0 SSA 18.6
 BDE 2.3189 BRA 1.3919 BC3 4.9820 FSP -714 SG1 5605.6 SG2 401.3 THA 179.64 EL1 3264.1 EL2 113.8 ALF 5.03

LAUNCH DATE DEC 3 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 535.535

RL 147.46 LAL .00 LOL 70.62 VL 26.679 GAL 3.04 AZL 86.67 HCA 262.84 SMA 121.95 ECC .21552 INC 3.3345 V1 30.214
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.734 GAP 10.84 AZP 90.42 TAL 168.78 TAP 71.62 RCA 95.67 APO 148.23 V2 34.803
 RC 170.040 GL 21.24 GP 1.74 ZAL 66.89 ZAP 169.53 ETS 9.31 ZAE 128.92 ETE 178.61 ZAC 78.33 ETC 165.68 CLP-169.67

PLANETOCENTRIC CONIC

C3 18.302 VHL 4.278 DLA 21.59 RAL 356.19 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 7.118 DPA -7.89 RAP 345.72 ECC 1.3012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 52 2940.83 -28.23 92.12 223.87 87.65 3 59 53 2340.8 -28.25 83.45
 90.00 21 26 1 4090.08 -3.50 165.84 216.93 61.88 22 34 11 3490.1 -7.24 159.15
 100.00 4 47 11 2630.23 -29.89 69.32 223.92 89.38 5 31 2 2030.2 -29.65 60.52
 100.00 22 32 22 3875.91 -2.05 149.30 216.13 60.17 23 36 58 3275.9 -6.01 142.74
 110.00 6 26 49 2318.54 -34.00 45.51 223.78 93.79 7 5 28 1718.5 -33.10 36.39
 110.00 23 9 14 3760.38 1.44 138.36 213.95 55.84 24 11 54 3160.4 -3.05 132.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.3983 TRA 1.6023 TC3-4.7107 BAU 1.1537 SGT 5647.0 SGR 405.9 SG3 202.4 ST 3288.0 SR 320.9 SS 870.8
 RDE .2359 RRA -.1300 RC3 .2020 FAU .02815 RRT -.0498 RRF -.0683 RTF .9421 CRT .9242 CRS -.8716 CST -.9924
 FDE .9982 FRA 1.0765 FC3-1.3315 BSP 18178 SGB 5661.6 R23 .0212 R13 -.9421 LSA 3412.6 MSA 160.8 SSA 18.1
 BDE 2.4098 BRA 1.6076 BC3 4.7151 FSP -690 SG1 5647.1 SG2 405.4 THA 179.79 EL1 3301.3 EL2 122.1 ALF 5.16

LAUNCH DATE DEC 3 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 541.117

RL 147.46 LAL .00 LOL 70.62 VL 26.639 GAL 3.57 AZL 86.65 HCA 266.01 SMA 121.71 ECC .22011 INC 3.3535 V1 30.214
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.710 GAP 11.20 AZP 90.23 TAL 167.15 TAP 73.15 RCA 94.92 APO 148.50 V2 34.808
 RC 172.148 GL 20.58 GP 1.68 ZAL 64.29 ZAP 170.41 ETS 9.97 ZAE 128.89 ETE 178.67 ZAC 80.56 ETC 165.84 CLP-170.56

PLANETOCENTRIC CONIC

C3 19.583 VHL 4.425 DLA 22.07 RAL 358.95 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 7.336 DPA -7.07 RAP 347.86 ECC 1.3223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 46 2978.81 -28.09 94.89 228.03 86.27 4 5 25 2378.8 -28.31 86.23
 90.00 21 43 9 4083.97 -3.70 165.50 220.86 61.91 22 51 13 3484.0 -7.43 158.81
 100.00 4 52 52 2665.73 -29.83 71.96 228.13 87.99 5 37 18 2065.7 -29.79 63.15
 100.00 22 48 45 3872.28 -2.17 149.10 220.02 60.18 23 53 17 3272.3 -6.13 142.54
 110.00 6 33 49 2349.88 -34.11 47.95 228.11 92.35 7 12 59 1749.9 -33.41 38.78
 110.00 23 24 17 3760.89 1.46 138.39 217.75 55.84 24 26 57 3160.9 -3.03 132.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.4878 TRA 1.8315 TC3-4.4314 BAU 1.1611 SGT 5683.7 SGR 408.4 SG3 194.8 ST 3313.4 SR 333.4 SS 859.0
 RDE .2539 RRA -.1311 RC3 .1791 FAU .02610 RRT -.0135 RRF -.0313 RTF .9431 CRT .9201 CRS -.8685 CST -.9930
 FDE .9823 FRA 1.1140 FC3-1.1540 BSP 18347 SGB 5698.4 R23 .0185 R13 -.9431 LSA 3435.2 MSA 163.9 SSA 17.6
 BDE 2.5007 BRA 1.8361 BC3 4.4350 FSP -666 SG1 5683.7 SG2 408.3 THA 179.94 EL1 3327.6 EL2 130.0 ALF 51.30

LAUNCH DATE DEC 3 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 546.662

RL 147.46 LAL .00 LOL 70.62 VL 26.599 GAL 4.12 AZL 86.63 HCA 269.17 SMA 121.48 ECC .22510 INC 3.3723 V1 30.214
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.687 GAP 11.58 AZP 90.05 TAL 165.52 TAP 74.69 RCA 94.13 APO 148.82 V2 34.814
 RC 174.239 GL 19.88 GP 1.62 ZAL 61.75 ZAP 171.29 ETS 10.75 ZAE 128.85 ETE 178.72 ZAC 82.79 ETC 165.98 CLP-171.44

PLANETOCENTRIC CONIC

C3 21.054 VHL 4.588 DLA 22.48 RAL 1.67 RAD 6567.9 VEL 11.935 PTH 2.12 VHP 7.567 DPA -6.23 RAP 350.00 ECC 1.3465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 7 3015.83 -27.90 97.58 232.21 84.94 4 11 22 2415.8 -28.31 88.94
 90.00 21 59 31 4081.54 -3.78 165.37 224.82 61.92 23 7 32 3481.5 -7.51 158.67
 100.00 4 58 56 2700.41 -29.72 74.53 232.37 86.64 5 43 56 2100.4 -29.87 65.73
 100.00 23 4 22 3872.19 -2.18 149.09 223.93 60.18 24 8 54 3272.2 -6.13 142.54
 110.00 6 41 7 2380.74 -34.17 50.36 232.48 90.93 7 20 47 1780.7 -33.67 41.15
 110.00 23 38 41 3764.63 1.60 138.58 221.57 55.85 24 41 25 3164.6 -2.89 132.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.5813 TRA 2.0785 TC3-4.1354 BAU 1.1648 SGT 5716.7 SGR 410.1 SG3 187.7 ST 3333.5 SR 345.0 SS 848.5
 RDE .2730 RRA -.1309 RC3 .1570 FAU .02403 RRT .0235 RRF .0069 RTF .9440 CRT .9160 CRS -.8657 CST -.9935
 FDE .9693 FRA 1.1536 FC3 -.9881 BSP 18415 SGB 5731.4 R23 -.0154 R13 .9440 LSA 3452.9 MSA 167.3 SSA 17.1
 BDE 2.5957 BRA 2.0826 BC3 4.1384 FSP -639 SG1 5716.7 SG2 410.0 THA .10 EL1 3348.4 EL2 137.8 ALF 5.42

LAUNCH DATE DEC 3 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.560 GAL 4.70 AZL 86.61 HCA 272.34 SMA 121.24 ECC .23052 INC 3.3911 VI 30.214
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.665 GAP 11.98 AZP 89.86 TAL 163.89 TAP 76.23 RCA 93.29 APO 149.19 V2 34.821
 RC 176.312 GL 19.17 GP 1.57 ZAL 59.28 ZAP 172.15 ETS 11.70 ZAE 128.83 ETE 178.78 ZAC 85.03 ETC 166.11 CLP-172.31

PLANETOCENTRIC CONIC
 C3 22.743 VHL 4.769 DLA 22.84 RAL 4.34 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 7.812 DPA -5.37 RAP 352.14 ECC 1.3743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 54 3051.73 -27.65 100.18 236.41 83.66 4 17 45 2451.7 -28.25 91.56
 90.00 22 14 59 4082.94 -3.73 165.44 228.78 61.91 23 23 2 3482.9 -7.46 158.75
 100.00 5 5 23 2734.16 -29.56 77.02 236.62 85.34 5 50 57 2134.2 -29.89 68.24
 100.00 23 19 10 3875.75 -2.06 149.29 227.85 60.17 24 23 46 3275.7 -6.01 142.73
 110.00 6 48 40 2411.06 -34.18 52.73 236.86 89.53 7 28 51 1811.1 -33.87 43.50
 110.00 23 52 23 3771.61 1.87 138.95 225.40 55.86 24 55 15 3171.6 -2.63 132.75

DIFFERENTIAL CORRECTIONS
 TOE 2.6702 TRA 2.3356 TC3-3.8428 BAU 1.1692 SGT 5744.2 SGR 411.3 SG3 180.6 ST 3337.3 SR 355.7 SS 835.2
 RDE .2930 RRA -.1293 RC3 .1359 FAU .02216 RRT .0596 RRF .0437 RTF .9453 CRT .9122 CRS -.8631 CST -.9940
 FDE .9541 FRA 1.1907 FC3 -.8436 BSP 18572 SGB 5758.9 R23 -.0130 R13 .9453 LSA 3454.3 MSA 170.9 SSA 16.5
 BDE 2.6862 BRA 2.3392 BC3 3.8452 FSP -618 SG1 5744.2 SG2 410.6 THA .25 EL1 3353.1 EL2 145.1 ALF 5.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.521 GAL 5.31 AZL 86.59 HCA 275.51 SMA 121.01 ECC .23643 INC 3.4100 VI 30.214
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.644 GAP 12.41 AZP 89.67 TAL 162.28 TAP 77.79 RCA 92.40 APO 149.62 V2 34.828
 RC 178.366 GL 18.43 GP 1.52 ZAL 56.88 ZAP 173.01 ETS 12.87 ZAE 128.80 ETE 178.83 ZAC 87.27 ETC 166.22 CLP-173.18

PLANETOCENTRIC CONIC
 C3 24.682 VHL 4.968 DLA 23.13 RAL 6.94 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 8.072 DPA -4.49 RAP 354.28 ECC 1.4062
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 8 3086.39 -27.37 102.68 240.62 82.43 4 24 34 2486.4 -28.13 94.09
 90.00 22 29 29 4088.28 -3.56 165.74 232.74 61.89 23 37 38 3488.3 -7.29 159.05
 100.00 5 12 13 2766.91 -29.35 79.44 240.88 84.09 5 58 20 2166.9 -29.86 70.67
 100.00 23 33 5 3883.00 -1.81 149.69 231.77 60.16 24 37 48 3283.0 -5.77 143.14
 110.00 6 56 27 2440.84 -34.14 55.05 241.27 88.15 7 37 8 1840.8 -34.02 45.81
 110.00 0 9 17 3781.84 2.26 139.48 229.23 55.88 1 12 19 3181.8 -2.24 133.28

DIFFERENTIAL CORRECTIONS
 TOE 2.7600 TRA 2.6084 TC3-3.5478 BAU 1.1713 SGT 5767.1 SGR 411.8 SG3 173.9 ST 3332.6 SR 365.3 SS 822.3
 RDE .3141 RRA -.1262 RC3 .1162 FAU .02035 RRT .0959 RRF .0808 RTF .9467 CRT .9084 CRS -.8608 CST -.9945
 FDE .9403 FRA 1.2285 FC3 -.7137 BSP 18708 SGB 5781.8 R23 -.0106 R13 .9467 LSA 3447.5 MSA 174.4 SSA 16.0
 BDE 2.7778 BRA 2.6115 BC3 3.5497 FSP -597 SG1 5767.2 SG2 409.9 THA .39 EL1 3349.1 EL2 152.0 ALF 5.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.482 GAL 5.95 AZL 86.57 HCA 278.68 SMA 120.79 ECC .24287 INC 3.4291 VI 30.214
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.623 GAP 12.87 AZP 89.48 TAL 160.68 TAP 79.35 RCA 91.45 APO 150.12 V2 34.836
 RC 180.400 GL 17.68 GP 1.47 ZAL 54.55 ZAP 173.86 ETS 14.36 ZAE 128.78 ETE 178.89 ZAC 89.52 ETC 166.31 CLP-174.04

PLANETOCENTRIC CONIC
 C3 26.906 VHL 5.187 DLA 23.36 RAL 9.47 RAD 6568.1 VEL 12.177 PTH 2.19 VHP 8.351 DPA -3.60 RAP 356.41 ECC 1.4428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 50 3119.72 -27.05 105.06 244.82 81.28 4 31 49 2519.7 -27.98 96.52
 90.00 22 42 59 4097.61 -3.26 166.27 236.68 61.86 23 51 16 3497.6 -7.00 159.58
 100.00 5 19 25 2798.61 -29.11 81.76 245.14 82.89 6 6 4 2198.6 -29.79 73.02
 100.00 23 46 4 3893.95 -1.44 150.29 235.67 60.14 24 50 58 3294.0 -5.40 143.74
 110.00 7 4 26 2470.06 -34.05 57.33 245.67 86.80 7 45 36 1870.1 -34.12 48.09
 110.00 0 21 28 3795.27 2.77 140.19 233.04 55.92 1 24 44 3195.3 -1.72 133.98

DIFFERENTIAL CORRECTIONS
 TOE 2.8504 TRA 2.8984 TC3-3.2541 BAU 1.1711 SGT 5785.4 SGR 411.7 SG3 167.5 ST 3319.3 SR 373.8 SS 809.5
 RDE .3360 RRA -.1215 RC3 .0981 FAU .01859 RRT .1323 RRF .1178 RTF .9483 CRT .9047 CRS -.8586 CST -.9950
 FDE .9273 FRA 1.2673 FC3 -.5982 BSP 18823 SGB 5800.1 R23 -.0084 R13 .9483 LSA 3432.3 MSA 177.9 SSA 15.4
 BDE 2.8701 BRA 2.9009 BC3 3.2556 FSP -576 SG1 5785.7 SG2 408.1 THA .54 EL1 3336.5 EL2 158.4 ALF 5.83

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC
 RL 147.46 LAL .00 LOL 70.62 VL 26.444 GAL 6.64 AZL 86.55 HCA 281.85 SMA 120.57 ECC .24989 INC 3.4485 VI 30.214
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.604 GAP 13.36 AZP 89.29 TAL 159.09 TAP 80.94 RCA 90.44 APO 150.69 V2 34.845
 RC 182.414 GL 16.92 GP 1.43 ZAL 52.31 ZAP 174.70 ETS 16.32 ZAE 128.75 ETE 178.94 ZAC 91.77 ETC 166.38 CLP-174.90

PLANETOCENTRIC CONIC
 C3 29.460 VHL 5.428 DLA 23.54 RAL 11.92 RAD 6568.2 VEL 12.281 PTH 2.21 VHP 8.650 DPA -2.70 RAP 358.54 ECC 1.4848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 57 3151.65 -26.70 107.33 249.01 80.19 4 39 29 2551.6 -27.78 98.83
 90.00 22 55 24 4110.93 -2.83 167.01 240.59 61.81 24 3 55 3510.9 -6.58 160.33
 100.00 5 26 57 2829.24 -28.83 84.00 249.40 81.74 6 14 6 2229.2 -29.67 75.29
 100.00 0 2 1 3908.56 -.95 151.09 239.54 60.12 1 7 10 3308.6 -4.91 144.55
 110.00 7 12 35 2498.74 -33.92 59.56 250.06 85.49 7 54 14 1898.7 -34.17 50.33
 110.00 0 32 52 3811.83 3.40 141.05 236.83 55.97 1 36 24 3211.8 -1.09 134.85

DIFFERENTIAL CORRECTIONS
 TOE 2.9457 TRA 3.2095 TC3-2.9603 BAU 1.1664 SGT 5801.1 SGR 411.0 SG3 161.5 ST 3302.7 SR 380.9 SS 798.6
 RDE .3589 RRA -.1150 RC3 .0815 FAU .01683 RRT .1695 RRF .1557 RTF .9500 CRT .9011 CRS -.8568 CST -.9955
 FDE .9171 FRA 1.3085 FC3 -.4946 BSP 18841 SGB 5815.7 R23 -.0061 R13 .9500 LSA 3414.3 MSA 181.1 SSA 14.9
 BDE 2.9675 BRA 3.2116 BC3 2.9614 FSP -552 SG1 5801.6 SG2 405.0 THA .69 EL1 3320.5 EL2 164.3 ALF 5.95

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 3 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 573.598

RL 147.46 LAL .00 LOL 70.62 VL 26.406 GAL 7.36 AZL 86.53 MCA 285.02 SMA 120.35 ECC .25757 INC 3.4684 V1 30.214
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.585 GAP 13.88 AZP 89.10 TAL 157.52 TAP 82.54 RCA 89.35 APO 151.35 V2 34.854
 RC 184.407 GL 16.16 GP 1.40 ZAL 50.16 ZAP 175.54 ETS 19.00 ZAE 128.72 ETE 179.00 ZAC 94.01 ETC 166.43 CLP-175.76

PLANETOCENTRIC CONIC

C3 32.398 VHL 5.692 DLA 23.66 RAL 14.28 RAD 6568.3 VEL 12.400 PTH 2.24 VHP 8.971 DPA -1.79 RAP .66 ECC 1.5332
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 54 30 3182.14 -26.33 109.49 253.19 79.17 4 47 33 2582.1 -27.55 101.04
 90.00 23 6 43 4128.18 -2.28 167.97 244.47 61.77 24 15 31 3528.2 -6.04 161.31
 100.00 5 34 48 2858.79 -28.52 86.14 253.63 80.65 6 22 27 2258.8 -29.52 77.48
 100.00 0 13 3 3926.76 -.33 152.09 243.38 60.11 1 18 29 3326.8 -4.30 145.56
 110.00 7 20 53 2526.89 -33.75 61.74 254.44 84.21 8 3 0 1926.9 -34.18 52.52
 110.00 0 43 27 3831.43 4.15 142.08 240.59 56.04 1 47 18 3231.4 -.34 135.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.0379 TRA 3.5356 TC3-2.6798 BAU 1.1611 SGT 5810.1 SGR 409.6 SG3 155.6 ST 3273.9 SR 386.7 SS 786.6
 ROE .3825 RRA -.1067 RC3 .0667 FAU .01522 RRT .2060 RRF .1927 RTF .9520 CRT .8976 CRS -.8550 CST -.9959
 FDE .9061 FRA 1.3491 FC3 -.4068 BSP 18949 SGB 5824.5 R23 -.0044 R13 .9520 LSA 3384.2 MSA 184.1 SSA 14.4
 BOE 3.0619 BRA 3.5372 BC3 2.6807 FSP -534 SG1 5810.7 SG2 400.8 THA .84 EL1 3292.3 EL2 169.5 ALF 6.07

LAUNCH DATE DEC 3 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 578.766

RL 147.46 LAL .00 LOL 70.62 VL 26.369 GAL 8.14 AZL 86.51 MCA 288.20 SMA 120.13 ECC .26599 INC 3.4890 V1 30.214
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.567 GAP 14.45 AZP 88.91 TAL 155.98 TAP 84.17 RCA 88.18 APO 152.09 V2 34.863
 RC 186.379 GL 15.40 GP 1.36 ZAL 48.09 ZAP 176.37 ETS 22.93 ZAE 128.68 ETE 179.05 ZAC 96.25 ETC 166.45 CLP-176.63

PLANETOCENTRIC CONIC

C3 35.782 VHL 5.982 DLA 23.74 RAL 16.56 RAD 6568.4 VEL 12.536 PTH 2.27 VHP 9.318 DPA -.87 RAP 2.78 ECC 1.5889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 27 3211.21 -25.94 111.53 257.34 78.22 4 55 58 2611.2 -27.30 103.13
 90.00 23 16 56 4149.25 -1.60 169.15 248.29 61.72 24 26 5 3549.3 -5.37 162.50
 100.00 5 42 55 2887.28 -28.19 88.19 257.83 79.62 6 31 2 2287.3 -29.33 79.57
 100.00 0 23 5 3948.42 .41 153.28 247.18 60.11 1 28 53 3348.4 -3.57 146.75
 110.00 7 29 16 2554.52 -33.54 63.87 258.79 82.97 8 11 51 1954.5 -34.15 54.68
 110.00 0 53 13 3853.94 5.00 143.26 244.32 56.14 1 57 26 3253.9 .52 137.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.1327 TRA 3.8830 TC3-2.4081 BAU 1.1523 SGT 5814.9 SGR 407.7 SG3 150.0 ST 3239.9 SR 391.0 SS 775.8
 ROE .4069 RRA -.0963 RC3 .0536 FAU .01367 RRT .2427 RRF .2298 RTF .9542 CRT .8941 CRS -.8535 CST -.9963
 FDE .8967 FRA 1.3916 FC3 -.3307 BSP 19040 SGB 5829.1 R23 -.0030 R13 .9542 LSA 3349.1 MSA 186.7 SSA 13.8
 BOE 3.1590 BRA 3.8842 BC3 2.4087 FSP -516 SG1 5815.7 SG2 395.4 THA .98 EL1 3258.7 EL2 174.1 ALF 6.18

LAUNCH DATE DEC 3 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 583.831

RL 147.46 LAL .00 LOL 70.62 VL 26.332 GAL 8.97 AZL 86.49 MCA 291.37 SMA 119.92 ECC .27522 INC 3.5103 V1 30.214
 RP 108.67 LAP -3.27 LOP 360.03 VP 36.550 GAP 15.06 AZP 88.72 TAL 154.46 TAP 85.84 RCA 86.92 APO 152.93 V2 34.873
 RC 188.330 GL 14.64 GP 1.33 ZAL 46.11 ZAP 177.18 ETS 29.17 ZAE 128.63 ETE 179.10 ZAC 98.49 ETC 166.46 CLP-177.51

PLANETOCENTRIC CONIC

C3 39.692 VHL 6.300 DLA 23.77 RAL 18.74 RAD 6568.5 VEL 12.691 PTH 2.31 VHP 9.695 DPA .05 RAP 4.88 ECC 1.6532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 44 3258.87 -25.54 113.46 261.46 77.33 5 4 42 2638.9 -27.03 105.11
 90.00 23 26 3 4173.99 -.80 170.53 252.06 61.69 24 35 37 3574.0 -4.58 163.89
 100.00 5 51 16 2914.72 -27.84 -90.15 262.01 78.65 6 39 50 2314.7 -29.12 81.59
 100.00 0 32 8 3973.37 1.25 154.65 250.92 60.13 1 38 21 3373.4 -2.73 148.12
 110.00 7 37 43 2581.65 -33.29 65.95 263.10 81.76 8 20 45 1981.7 -34.07 56.80
 110.00 1 2 9 3879.20 5.96 144.59 248.00 56.28 2 6 49 3279.2 1.49 138.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.2307 TRA 4.2534 TC3-2.1474 BAU 1.1397 SGT 5815.3 SGR 405.2 SG3 144.6 ST 3201.1 SR 393.7 SS 766.3
 ROE .4321 RRA -.0837 RC3 .0422 FAU .01215 RRT .2796 RRF .2670 RTF .9565 CRT .8908 CRS -.8521 CST -.9967
 FDE .8889 FRA 1.4364 FC3 -.2650 BSP 19112 SGB 5829.4 R23 -.0017 R13 .9565 LSA 3309.6 MSA 188.8 SSA 13.3
 BOE 3.2594 BRA 4.2542 BC3 2.1478 FSP -498 SG1 5816.4 SG2 388.9 THA 1.12 EL1 3220.3 EL2 177.9 ALF 6.27

LAUNCH DATE DEC 3 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 588.776

RL 147.46 LAL .00 LOL 70.62 VL 26.296 GAL 9.86 AZL 86.47 MCA 294.55 SMA 119.72 ECC .28539 INC 3.5325 V1 30.214
 RP 108.63 LAP -3.21 LOP 365.21 VP 36.534 GAP 15.73 AZP 88.53 TAL 152.99 TAP 87.54 RCA 85.55 APO 153.88 V2 34.884
 RC 190.259 GL 13.89 GP 1.30 ZAL 44.23 ZAP 177.94 ETS 40.34 ZAE 128.57 ETE 179.15 ZAC 100.70 ETC 166.44 CLP-178.40

PLANETOCENTRIC CONIC

C3 44.221 VHL 6.650 DLA 23.75 RAL 20.82 RAD 6568.7 VEL 12.868 PTH 2.34 VHP 10.104 DPA .97 RAP 6.98 ECC 1.7278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 18 3265.16 -25.13 115.27 265.54 76.51 5 13 43 2665.2 -26.74 106.98
 90.00 23 34 5 4202.19 .11 172.10 255.76 61.68 24 44 7 3602.2 -3.68 165.47
 100.00 5 59 48 2941.16 -27.47 92.03 266.13 77.72 6 48 49 2341.2 -28.88 85.52
 100.00 0 40 12 4001.43 2.20 156.19 254.60 60.18 1 46 54 3401.4 -1.78 149.67
 110.00 7 46 11 2608.29 -33.01 67.98 267.36 80.59 8 29 40 2008.3 -33.96 58.87
 110.00 1 10 18 3907.06 7.01 146.06 251.63 56.46 2 15 25 3307.1 2.55 139.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.3374 TRA 4.6539 TC3-1.8941 BAU 1.1199 SGT 5814.3 SGR 402.2 SG3 139.6 ST 3162.6 SR 395.0 SS 759.5
 ROE .4579 RRA -.0687 RC3 .0327 FAU .01060 RRT .3173 RRF .3051 RTF .9590 CRT .8877 CRS -.8512 CST -.9971
 FDE .8845 FRA 1.4856 FC3 -.2075 BSP 19064 SGB 5828.2 R23 -.0006 R13 .9590 LSA 3270.8 MSA 190.2 SSA 12.8
 BOE 3.3687 BRA 4.6544 BC3 1.8944 FSP -477 SG1 5815.7 SG2 381.3 THA 1.26 EL1 3182.0 EL2 180.8 ALF 6.35

LAUNCH DATE DEC 3 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 593.575

RL 147.46 LAL .00 LOL 70.62 VL 26.260 GAL 10.82 AZL 86.44 HCA 297.73 SMA 119.52 ECC .29660 INC 3.5560 V1 30.214
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.519 GAP 16.46 AZP 88.34 TAL 151.56 TAP 89.29 RCA 84.07 APO 154.96 V2 34.895
 RC 192.167 GL 13.15 GP 1.28 ZAL 42.44 ZAP 178.55 ETS 62.85 ZAE 128.48 ETE 179.20 ZAC 102.91 ETC 166.40 CLP -179.31

PLANETOCENTRIC CONIC

C3 49.487 VHL 7.035 DLA 23.69 RAL 22.80 RAD 6568.8 VEL 13.071 PTH 2.39 VHP 10.552 DPA 1.89 RAP 9.06 ECC 1.8144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 7 3290.12 -24.73 116.99 269.57 75.74 5 22 58 2690.1 -26.45 108.74
 90.00 23 41 3 4233.64 1.12 173.86 259.40 61.70 24 51 37 3633.6 -2.67 167.23
 100.00 6 8 28 2966.59 -27.09 93.83 270.21 76.85 6 57 55 2366.6 -28.63 85.36
 100.00 0 47 19 4032.40 3.25 157.89 258.22 60.27 1 54 32 3432.4 -.73 151.37
 110.00 7 54 39 2634.41 -32.71 69.96 271.57 79.46 8 38 33 2034.4 -33.81 60.90
 110.00 1 17 38 3937.34 8.14 147.67 255.20 56.69 2 23 16 3337.3 3.71 141.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.4440 TRA 5.0770 TC3-1.6593 BAU 1.0979 SGT 5805.9 SGR 398.6 SG3 134.7 ST 3115.9 SR 394.7 SS 752.9
 RDE .4843 RRA -.0512 RC3 .0246 FAU .00916 RRT .3544 RRF .3423 RTF .9617 CRT .8846 CRS -.8504 CST -.9975
 FDE .8803 FRA 1.5362 FC3 -.1603 BSP 19143 SGB 5819.6 R23 .0001 R13 .9617 LSA 3224.1 MSA 191.0 SSA 12.3
 BDE 3.4779 BRA 5.0773 BC3 1.6595 FSP -462 SGI 5807.6 SG2 372.6 THA 1.40 EL1 3135.4 EL2 182.9 ALF 6.42

LAUNCH DATE DEC 3 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 598.200

RL 147.46 LAL .00 LOL 70.62 VL 26.225 GAL 11.86 AZL 86.42 HCA 300.91 SMA 119.32 ECC .30901 INC 3.5808 V1 30.214
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.505 GAP 17.26 AZP 88.16 TAL 150.18 TAP 91.09 RCA 82.45 APO 156.19 V2 34.906
 RC 194.054 GL 12.41 GP 1.25 ZAL 40.75 ZAP 178.72 ETS 102.17 ZAE 128.37 ETE 179.25 ZAC 105.09 ETC 166.33 CLP 179.76

PLANETOCENTRIC CONIC

C3 55.636 VHL 7.459 DLA 23.59 RAL 24.67 RAD 6569.0 VEL 13.304 PTH 2.43 VHP 11.044 DPA 2.80 RAP 11.12 ECC 1.9156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 8 3313.77 -24.32 118.60 273.54 75.03 5 32 21 2713.8 -26.14 110.41
 90.00 23 46 59 4268.07 2.23 175.78 262.95 61.76 24 58 7 3668.1 -1.56 169.15
 100.00 6 17 14 2991.01 -26.70 95.54 274.22 76.03 7 7 5 2391.0 -28.36 87.13
 100.00 0 53 30 4066.06 4.39 159.74 261.76 60.40 2 1 16 3466.1 .41 153.21
 110.00 8 3 2 2659.99 -32.37 71.88 275.70 78.37 8 47 22 2060.0 -33.63 62.87
 110.00 1 24 11 3969.85 9.36 149.41 258.72 56.97 2 30 21 3369.9 4.94 143.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.5579 TRA 5.5315 TC3-1.4371 BAU 1.0690 SGT 5793.2 SGR 394.5 SG3 130.0 ST 3067.3 SR 392.8 SS 748.4
 RDE .5113 RRA -.0310 RC3 .0181 FAU .00774 RRT .3916 RRF .3797 RTF .9647 CRT .8818 CRS -.8498 CST -.9978
 FDE .8783 FRA 1.5908 FC3 -.1205 BSP 19180 SGB 5806.6 R23 .0005 R13 .9647 LSA 3175.8 MSA 191.1 SSA 11.8
 BDE 3.5945 BRA 5.5315 BC3 1.4372 FSP -446 SGI 5795.2 SG2 362.9 THA 1.53 EL1 3086.8 EL2 184.1 ALF 6.47

LAUNCH DATE DEC 3 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 602.614

RL 147.46 LAL .00 LOL 70.62 VL 26.191 GAL 12.98 AZL 86.39 HCA 304.10 SMA 119.13 ECC .32278 INC 3.6074 V1 30.214
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.492 GAP 18.15 AZP 87.98 TAL 148.87 TAP 92.97 RCA 80.68 APO 157.58 V2 34.918
 RC 195.918 GL 11.69 GP 1.23 ZAL 39.16 ZAP 178.28 ETS 135.74 ZAE 128.24 ETE 179.30 ZAC 107.24 ETC 166.24 CLP 178.80

PLANETOCENTRIC CONIC

C3 62.852 VHL 7.928 DLA 23.45 RAL 26.43 RAD 6569.2 VEL 13.572 PTH 2.48 VHP 11.586 DPA 3.70 RAP 13.16 ECC 2.0344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 16 3336.13 -23.92 120.12 277.44 74.37 5 41 52 2736.1 -25.83 111.97
 90.00 23 51 55 4305.22 3.43 177.85 266.42 61.87 25 3 40 3705.2 -.36 171.22
 100.00 6 26 2 3014.41 -26.30 97.16 278.15 75.26 7 16 17 2414.4 -28.07 88.81
 100.00 0 58 45 4102.17 5.60 161.74 265.22 60.59 2 7 7 3502.2 1.64 155.19
 110.00 8 11 21 2684.94 -32.01 73.73 279.74 77.32 8 56 6 2084.9 -33.43 64.79
 110.00 1 29 56 4004.40 10.63 151.27 262.16 57.32 2 36 40 3404.4 6.25 144.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.6798 TRA 6.0218 TC3-1.2287 BAU 1.0325 SGT 5776.7 SGR 390.0 SG3 125.6 ST 3016.8 SR 389.4 SS 746.2
 RDE .5388 RRA -.0078 RC3 .0130 FAU .00631 RRT .4289 RRF .4173 RTF .9677 CRT .8793 CRS -.8497 CST -.9981
 FDE .8790 FRA 1.6504 FC3 -.0870 BSP 19203 SGB 5789.8 R23 .0008 R13 .9677 LSA 3126.2 MSA 190.4 SSA 11.3
 BDE 3.7190 BRA 6.0218 BC3 1.2287 FSP -431 SGI 5779.1 SG2 352.2 THA 1.66 EL1 3036.3 EL2 184.3 ALF 6.50

LAUNCH DATE DEC 3 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 606.771

RL 147.46 LAL .00 LOL 70.62 VL 26.158 GAL 14.22 AZL 86.36 HCA 307.28 SMA 118.94 ECC .33811 INC 3.6361 V1 30.214
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.480 GAP 19.13 AZP 87.80 TAL 147.64 TAP 94.92 RCA 78.73 APO 159.16 V2 34.930
 RC 197.761 GL 10.97 GP 1.21 ZAL 37.68 ZAP 177.50 ETS 152.75 ZAE 128.06 ETE 179.35 ZAC 109.36 ETC 166.12 CLP 177.81

PLANETOCENTRIC CONIC

C3 71.366 VHL 8.448 DLA 23.27 RAL 28.08 RAD 6569.4 VEL 13.882 PTH 2.53 VHP 12.187 DPA 4.58 RAP 15.17 ECC 2.1745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 28 3357.15 -23.53 121.53 281.25 73.77 5 51 25 2757.2 -25.53 113.44
 90.00 23 55 51 4344.82 4.70 180.07 269.79 62.04 25 8 15 3744.8 .92 173.43
 100.00 6 34 51 3036.71 -25.91 98.70 281.99 74.54 7 25 28 2436.7 -27.78 90.40
 100.00 1 3 5 4140.49 6.87 163.87 268.60 60.84 2 12 5 3540.5 2.93 157.30
 110.00 8 19 32 2709.18 -31.64 75.52 283.69 76.32 9 4 41 2109.2 -33.19 66.64
 110.00 1 34 52 4040.79 11.96 153.25 265.53 57.74 2 42 13 3440.8 7.62 146.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.8129 TRA 6.5521 TC3-1.0336 BAU .9862 SGT 5756.4 SGR 385.1 SG3 121.4 ST 2965.8 SR 384.6 SS 746.8
 RDE .5670 RRA .0186 RC3 .0092 FAU .00485 RRT .4663 RRF .4549 RTF .9708 CRT .8771 CRS -.8500 CST -.9984
 FDE .8829 FRA 1.7160 FC3 -.0588 BSP 19205 SGB 5769.3 R23 .0008 R13 .9708 LSA 3076.7 MSA 188.7 SSA 10.8
 BDE 3.8549 BRA 6.5522 BC3 1.0337 FSP -416 SGI 5759.2 SG2 340.5 THA 1.79 EL1 2985.0 EL2 183.5 ALF 6.51

LAUNCH DATE DEC 3 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 610.612

RL 147.46 LAL .00 LOL 70.62 VL 26.126 GAL 15.57 AZL 86.33 MCA 310.47 SMA 118.76 ECC .35524 INC 3.6673 V1 30.214
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.468 GAP 20.23 AZP 87.62 TAL 146.50 TAP 96.97 RCA 76.57 APO 160.93 V2 34.942
 RC 199.580 GL 10.27 GP 1.19 ZAL 36.31 ZAP 176.56 ETS 161.53 ZAE 127.84 ETE 179.40 ZAC 111.44 ETC 165.98 CLP 176.77

PLANETOCENTRIC CONIC

C3 81.477 VML 9.026 DLA 23.05 RAL 29.60 RAD 6569.6 VEL 14.242 PTH 2.59 VHP 12.856 DPA 5.44 RAP 17.15 ECC 2.3409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 4 41 3376.77 -23.15 122.85 284.95 73.22 6 0 57 2776.8 -25.23 114.79
 90.00 0 2 43 4386.60 6.03 182.43 273.05 62.28 1 15 50 3786.6 2.27 175.76
 100.00 6 43 36 3057.81 -25.52 100.15 285.72 73.88 7 34 34 2457.8 -27.48 91.90
 100.00 1 6 29 4180.79 8.20 166.12 271.87 61.15 2 16 10 3580.8 4.29 159.52
 110.00 8 27 34 2732.55 -31.25 77.24 287.51 75.38 9 13 7 2132.5 -32.94 68.42
 110.00 1 39 0 4078.82 13.33 155.34 268.82 58.23 2 46 59 3478.8 9.04 148.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.9616 TRA 7.1304 TC3 -.8513 BAU .9273 SGT 5734.0 SGR 379.9 SG3 117.4 ST 2916.0 SR 378.3 SS 750.8
 RDE .5958 RRA .0486 RC3 .0066 FAU .00329 RRT .5039 RRF .4929 RTF .9739 CRT .8755 CRS -.8508 CST -.9987
 FDE .8908 FRA 1.7893 FC3 -.0350 BSP 19122 SGB 5746.6 R23 .0006 R13 .9739 LSA 3029.0 MSA 186.1 SSA 10.3
 BDE 4.0061 BRA 7.1305 BC3 .8513 FSP -401 SGI 5737.2 SG2 328.0 TMA 1.92 EL1 2934.8 EL2 181.7 ALF 6.51

LAUNCH DATE DEC 3 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 614.057

RL 147.46 LAL .00 LOL 70.62 VL 26.095 GAL 17.06 AZL 86.30 MCA 313.66 SMA 118.59 ECC .37446 INC 3.7017 V1 30.214
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.458 GAP 21.46 AZP 87.44 TAL 145.48 TAP 99.14 RCA 74.18 APO 163.00 V2 34.955
 RC 201.376 GL 9.58 GP 1.17 ZAL 35.06 ZAP 175.53 ETS 166.70 ZAE 127.57 ETE 179.45 ZAC 113.46 ETC 165.81 CLP 175.68

PLANETOCENTRIC CONIC

C3 93.569 VML 9.673 DLA 22.79 RAL 31.00 RAD 6569.8 VEL 14.660 PTH 2.66 VHP 13.607 DPA 6.28 RAP 19.08 ECC 2.5399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 51 3394.84 -22.79 124.05 288.53 72.72 6 10 26 2794.8 -24.94 116.04
 90.00 0 4 40 4430.32 7.40 184.90 276.20 62.59 1 18 31 3830.3 3.67 178.21
 100.00 6 52 16 3077.54 -25.14 101.49 289.32 73.27 7 43 33 2477.5 -27.19 93.29
 100.00 1 8 57 4222.85 9.58 168.49 275.03 61.55 2 19 20 3622.9 5.70 161.84
 110.00 8 35 24 2754.87 -30.85 78.85 291.18 74.50 9 21 19 2154.9 -32.67 70.11
 110.00 1 42 18 4118.29 14.74 157.54 272.01 58.80 2 50 56 3518.3 10.50 151.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.1219 TRA 7.7557 TC3 -.6849 BAU .8568 SGT 5704.9 SGR 374.3 SG3 113.6 ST 2863.0 SR 370.7 SS 757.3
 RDE .6253 RRA .0823 RC3 .0050 FAU .00170 RRT .5409 RRF .5303 RTF .9771 CRT .8743 CRS -.8520 CST -.9989
 FDE .9014 FRA 1.8698 FC3 -.0158 BSP 19122 SGB 5717.2 R23 .0002 R13 .9771 LSA 2979.0 MSA 182.7 SSA 9.8
 BDE 4.1690 BRA 7.7562 BC3 .6850 FSP -388 SGI 5708.5 SG2 314.6 TMA 2.04 EL1 2881.4 EL2 178.8 ALF 6.48

LAUNCH DATE DEC 3 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 617.009

RL 147.46 LAL .00 LOL 70.62 VL 26.065 GAL 18.72 AZL 86.26 MCA 316.86 SMA 118.43 ECC .39610 INC 3.7400 V1 30.214
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.449 GAP 22.85 AZP 87.27 TAL 144.60 TAP 101.46 RCA 71.52 APO 165.34 V2 34.968
 RC 203.147 GL 8.91 GP 1.16 ZAL 33.94 ZAP 174.40 ETS 170.08 ZAE 127.23 ETE 179.50 ZAC 115.42 ETC 165.61 CLP 174.52

PLANETOCENTRIC CONIC

C3 108.146 VML 10.399 DLA 22.49 RAL 32.25 RAD 6570.1 VEL 15.149 PTH 2.72 VHP 14.453 DPA 7.09 RAP 20.96 ECC 2.7798
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 57 3411.17 -22.45 125.13 291.96 72.28 6 19 48 2811.2 -24.67 117.16
 90.00 0 5 36 4475.73 8.82 187.49 279.21 62.98 1 20.12 3875.7 5.12 180.75
 100.00 7 0 48 3095.68 -24.78 102.72 292.76 72.72 7 52 23 2495.7 -26.91 94.57
 100.00 1 10 26 4266.46 10.98 170.97 278.06 62.02 2 21 33 3666.5 7.15 164.27
 110.00 8 43 0 2775.89 -30.46 80.37 294.69 73.68 9 29 16 2175.9 -32.39 71.68
 110.00 1 44 43 4159.00 16.16 159.84 275.08 59.46 2 54 2 3559.0 11.99 153.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.3014 TRA 8.4402 TC3 -.5318 BAU .7688 SGT 5672.0 SGR 368.4 SG3 110.0 ST 2810.2 SR 361.8 SS 767.8
 RDE .6556 RRA .1202 RC3 .0043 FAU .00004 RRT .5776 RRF .5675 RTF .9802 CRT .8737 CRS -.8538 CST -.9991
 FDE .9167 FRA 1.9602 FC3 .0003 BSP 19094 SGB 5684.0 R23 -.0002 R13 .9802 LSA 2930.2 MSA 178.2 SSA 9.3
 BDE 4.3511 BRA 8.4410 BC3 .5318 FSP -375 SGI 5676.0 SG2 300.5 TMA 2.15 EL1 2828.0 EL2 174.9 ALF 6.44

LAUNCH DATE DEC 3 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 619.332

RL 147.46 LAL .00 LOL 70.62 VL 26.037 GAL 20.58 AZL 86.22 MCA 320.05 SMA 118.27 ECC .42057 INC 3.7832 V1 30.214
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.442 GAP 24.43 AZP 87.10 TAL 143.89 TAP 103.95 RCA 68.53 APO 168.02 V2 34.981
 RC 204.893 GL 8.24 GP 1.14 ZAL 32.97 ZAP 173.19 ETS 172.47 ZAE 126.80 ETE 179.56 ZAC 117.30 ETC 165.40 CLP 173.29

PLANETOCENTRIC CONIC

C3 125.871 VML 11.219 DLA 22.15 RAL 33.36 RAD 6570.3 VEL 15.723 PTH 2.79 VHP 15.413 DPA 7.87 RAP 22.77 ECC 3.0715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 54 3425.49 -22.15 126.07 295.20 71.90 6 28 59 2825.5 -24.42 118.14
 90.00 0 5 27 4522.63 10.26 190.18 282.06 63.46 1 20 49 3922.6 6.61 183.40
 100.00 7 9 8 3111.94 -24.44 103.81 296.01 72.24 8 1 0 2511.9 -26.64 95.70
 100.00 1 10 53 4311.41 12.40 173.54 280.95 62.58 2 22 45 3711.4 8.63 166.78
 110.00 8 50 20 2795.32 -30.08 81.75 298.00 72.94 9 36 56 2195.3 -32.12 73.13
 110.00 1 46 11 4200.79 17.59 162.23 278.02 60.21 2 56 11 3600.8 13.49 155.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.5047 TRA 9.1918 TC3 -.3917 BAU .6592 SGT 5635.0 SGR 362.2 SG3 106.6 ST 2757.7 SR 351.8 SS 782.8
 RDE .6869 RRA .1627 RC3 .0044 FAU .00199 RRT .6138 RRF .6044 RTF .9832 CRT .8739 CRS -.8563 CST -.9993
 FDE .9373 FRA 2.0626 FC3 .0137 BSP 19052 SGB 5646.6 R23 -.0009 R13 .9832 LSA 2883.0 MSA 172.9 SSA 8.7
 BDE 4.5568 BRA 9.1932 BC3 .3917 FSP -363 SGI 5639.4 SG2 285.7 TMA 2.27 EL1 2774.9 EL2 170.0 ALF 6.39

LAUNCH DATE DEC 4 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 12 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 26.533 GAL -6.84 AZL 86.66 HCA 81.38 SMA 121.05 ECC .24699 INC 3.3402 V1 30.219
 RP 107.53 LAP 3.30 LOP 153.00 VP 37.042 GAP -12.81 AZP 89.50 TAL 201.99 TAP 283.37 RCA 91.16 APO 150.95 V2 35.242
 RC 46.516 GL 17.47 GP -1.23 ZAL 124.62 ZAP 6.17 ETS 10.33 ZAE 149.20 ETE 336.99 ZAC 62.88 ETC 162.18 CLP -6.04

PLANETOCENTRIC CONIC

C3 26.154 VHL 5.114 DLA -2.02 RAL 303.27 RAD 6568.1 VEL 12.146 PTH 2.18 VMP 8.348 DPA -16.70 RAP 330.72 ECC 1.4304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 20 2217.09 -19.63 41.64 168.46 110.83 3 36 17 1617.1 -16.62 34.26
 90.00 14 27 27 4986.19 22.45 218.68 169.58 72.27 15 50 34 4386.2 19.81 211.00
 100.00 4 19 45 1957.72 -20.74 22.10 168.00 112.02 4 52 22 1357.7 -17.58 14.74
 100.00 15 49 44 4720.78 23.58 198.76 169.17 71.08 17 8 25 4120.8 20.78 191.08
 110.00 5 25 50 1750.84 -23.73 4.98 166.58 115.36 5 55 1 1150.8 -20.12 357.70
 110.00 17 0 8 4500.43 26.64 180.76 167.90 67.74 18 15 9 3900.4 23.38 173.11

DIFFERENTIAL CORRECTIONS

TDE -.2371 TRA -.4176 TC3 .4459 BAU .1656
 RDE -.3226 RRA .0699 RC3 -.1600 FAU .03502
 FDE .3890 FRA -.0961 FC3 -1.1594 BSP 1956
 BDE .4004 BRA .4234 BC3 .4737 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 705.3 SGR 404.4 SG3 109.6
 RRT -.0535 RRF .0548 RTF -.6776
 SGB 813.2 R23 -.0008 R13 .6779
 SG1 706.0 SG2 403.6 THA 177.39

ORBIT DETERMINATION ACCURACY

ST 300.8 SR 362.3 SS 316.3
 CRT .8503 CRS .9955 CST .8471
 LSA 549.6 MSA 138.6 SSA 22.6
 EL1 453.6 EL2 126.4 ALF 51.20

LAUNCH DATE DEC 4 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 14 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 26.735 GAL -6.84 AZL 86.64 HCA 84.62 SMA 122.26 ECC .23664 INC 3.3563 V1 30.219
 RP 107.55 LAP 3.34 LOP 156.25 VP 37.182 GAP -11.84 AZP 89.69 TAL 203.38 TAP 288.00 RCA 93.33 APO 151.19 V2 35.236
 RC 47.916 GL 18.17 GP -1.31 ZAL 126.02 ZAP 8.59 ETS 7.64 ZAE 148.27 ETE 337.81 ZAC 63.67 ETC 162.32 CLP -8.49

PLANETOCENTRIC CONIC

C3 24.825 VHL 4.982 DLA -1.68 RAL 301.55 RAD 6568.0 VEL 12.091 PTH 2.16 VMP 7.821 DPA -16.51 RAP 331.54 ECC 1.4086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 1 2214.55 -19.57 41.48 165.96 110.89 3 26 56 1614.5 -16.55 34.10
 90.00 14 23 5 4962.97 21.96 217.16 166.86 71.66 15 45 48 4363.0 19.25 209.53
 100.00 4 10 35 1954.69 -20.67 21.91 165.50 112.09 4 43 10 1354.7 -17.49 14.56
 100.00 15 45 13 4698.07 23.07 197.26 166.44 70.45 17 3 31 4098.1 20.20 189.65
 110.00 5 17 2 1746.69 -23.61 4.72 164.10 115.47 5 46 8 1146.7 -19.99 357.46
 110.00 16 55 16 4478.83 26.07 179.34 165.16 67.07 18 9 54 3878.8 22.74 171.77

DIFFERENTIAL CORRECTIONS

TDE -.2412 TRA -.3951 TC3 .4941 BAU .1738
 RDE -.3127 RRA .0628 RC3 -.1709 FAU .03843
 FDE .4363 FRA -.1447 FC3 -1.3403 BSP 2036
 BDE .3949 BRA .4001 BC3 .5228 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 725.2 SGR 404.3 SG3 124.1
 RRT -.0578 RRF .0602 RTF -.6922
 SGB 830.3 R23 -.0023 R13 .6925
 SG1 725.7 SG2 403.4 THA 177.33

ORBIT DETERMINATION ACCURACY

ST 309.4 SR 360.3 SS 341.8
 CRT .8675 CRS .9949 CST .8494
 LSA 568.1 MSA 138.1 SSA 23.5
 EL1 459.3 EL2 120.7 ALF 49.99

LAUNCH DATE DEC 4 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 16 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 26.917 GAL -6.85 AZL 86.63 HCA 87.87 SMA 123.36 ECC .22749 INC 3.3722 V1 30.219
 RP 107.56 LAP 3.37 LOP 159.50 VP 37.308 GAP -10.93 AZP 89.87 TAL 204.77 TAP 292.63 RCA 95.30 APO 151.43 V2 35.230
 RC 49.420 GL 18.83 GP -1.41 ZAL 127.35 ZAP 11.12 ETS 6.13 ZAE 147.58 ETE 338.46 ZAC 64.37 ETC 162.43 CLP -11.03

PLANETOCENTRIC CONIC

C3 23.732 VHL 4.872 DLA -1.38 RAL 299.90 RAD 6568.0 VEL 12.046 PTH 2.15 VMP 7.323 DPA -16.37 RAP 332.26 ECC 1.3906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 11 2212.97 -19.53 41.38 163.63 110.92 3 18 4 1613.0 -16.51 34.00
 90.00 14 18 47 4942.45 21.51 215.82 164.35 71.13 15 41 9 4342.4 18.74 208.24
 100.00 4 1 53 1952.65 -20.61 21.78 163.18 112.14 4 34 25 1352.7 -17.43 14.43
 100.00 15 40 46 4678.00 22.61 195.95 163.93 69.91 16 58 44 4078.0 19.67 188.39
 110.00 5 8 39 1743.63 -23.52 4.53 161.79 115.55 5 37 43 1143.6 -19.89 357.27
 110.00 16 50 29 4459.79 -25.56 178.09 162.64 66.49 18 4 48 3859.8 22.16 170.59

DIFFERENTIAL CORRECTIONS

TDE -.2432 TRA -.3716 TC3 .5422 BAU .1814
 RDE -.3033 RRA .0560 RC3 -.1811 FAU .04238
 FDE .4896 FRA -.2025 FC3 -1.5462 BSP 2146
 BDE .3888 BRA .3758 BC3 .5717 FSP -367

MID-COURSE EXECUTION ACCURACY

SGT 743.0 SGR 403.4 SG3 140.9
 RRT -.0668 RRF .0681 RTF -.7071
 SGB 845.4 R23 -.0012 R13 .7074
 SG1 743.7 SG2 402.1 THA 177.06

ORBIT DETERMINATION ACCURACY

ST 315.1 SR 357.3 SS 368.2
 CRT .8826 CRS .9934 CST .8510
 LSA 585.6 MSA 138.0 SSA 24.3
 EL1 462.4 EL2 114.5 ALF 49.07

LAUNCH DATE DEC 4 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 27.080 GAL -6.86 AZL 86.61 HCA 91.11 SMA 124.38 ECC .21943 INC 3.3881 V1 30.219
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.419 GAP -10.05 AZP 90.07 TAL 206.13 TAP 297.24 RCA 97.09 APO 151.67 V2 35.224
 RC 51.018 GL 19.42 GP -1.51 ZAL 128.61 ZAP 13.76 ETS 5.17 ZAE 147.15 ETE 338.95 ZAC 64.96 ETC 162.51 CLP -13.68

PLANETOCENTRIC CONIC

C3 22.834 VHL 4.778 DLA -1.10 RAL 298.34 RAD 6567.9 VEL 12.009 PTH 2.14 VMP 6.853 DPA -16.26 RAP 332.87 ECC 1.3758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 51 2212.27 -19.51 41.33 161.50 110.94 3 9 44 1612.3 -16.49 33.96
 90.00 14 14 37 4924.33 21.11 214.64 162.06 70.67 15 36 42 4324.3 18.28 207.11
 100.00 3 53 41 1951.52 -20.59 21.71 161.05 112.17 4 26 13 1351.5 -17.40 14.36
 100.00 15 36 28 4660.31 22.19 194.80 161.64 69.44 16 54 9 4060.3 19.20 187.29
 110.00 5 0 46 1741.57 -23.46 4.40 159.68 115.61 5 29 47 1141.6 -19.82 357.15
 110.00 16 45 53 4443.03 25.10 177.01 160.33 66.00 17 59 56 3843.0 21.64 169.56

DIFFERENTIAL CORRECTIONS

TDE -.2466 TRA -.3508 TC3 .5825 BAU .1871
 RDE -.2942 RRA .0497 RC3 -.1907 FAU .04684
 FDE .5524 FRA -.2681 FC3 -1.7760 BSP 2206
 BDE .3839 BRA .3543 BC3 .6129 FSP -424

MID-COURSE EXECUTION ACCURACY

SGT 757.9 SGR 401.5 SG3 159.9
 RRT -.0729 RRF .0760 RTF -.7171
 SGB 857.6 R23 -.0035 R13 .7175
 SG1 758.6 SG2 400.0 THA 176.93

ORBIT DETERMINATION ACCURACY

ST 322.0 SR 353.2 SS 397.5
 CRT .8966 CRS .9914 CST .8539
 LSA 605.4 MSA 138.9 SSA 24.8
 EL1 465.6 EL2 108.2 ALF 47.95

LAUNCH DATE DEC 4 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.225 GAL -6.88 AZL 86.60 HCA 94.35 SMA 125.30 ECC .21236 INC 3.4040 V1 30.219
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.517 GAP -9.22 AZP 90.26 TAL 207.46 TAP 301.81 RCA 98.69 APO 151.91 V2 35.216
 RC 52.701 GL 19.96 GP -1.63 ZAL 129.77 ZAP 16.54 ETS 4.50 ZAE 146.98 ETE 339.27 ZAC 65.44 ETC 162.56 CLP -16.46

PLANETOCENTRIC CONIC
 C3 22.097 VHL 4.701 DLA -1.84 RAL 296.88 RAD 6567.9 VEL 11.978 PTH 2.13 VHP 6.411 OPA -16.22 RAP 333.37 ECC 1.3637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 6 2212.34 -19.51 41.34 159.56 110.94 3 1 58 1612.3 -16.49 33.97
 90.00 14 10 42 4908.35 20.74 213.61 159.98 70.28 15 32 30 4308.3 17.87 206.12
 100.00 3 46 3 1951.21 -20.58 21.69 159.11 112.17 4 18 34 1351.2 -17.39 14.35
 100.00 15 32 26 4644.71 21.82 193.80 159.55 69.04 16 49 51 4044.7 18.77 186.32
 110.00 4 53 24 1740.39 -23.43 4.33 157.75 115.64 5 22 24 1140.4 -19.78 357.08
 110.00 16 41 34 4428.30 24.69 176.06 158.24 65.57 17 55 23 3828.3 21.18 168.67

DIFFERENTIAL CORRECTIONS
 TDE -.2493 TRA -.3313 TC3 .6170 BAU .1916 SGT 769.3 SGR 398.6 SG3 181.6 ST 327.6 SR 348.1 SS 429.1
 RDE -.2852 RRA .0437 RC3 -.1996 FAU .05195 RRT -.0805 RRF .0856 RTF -.7250 CRT .9087 CRS .9890 CST .8566
 FDE .6254 FRA -.3437 FC3 -2.0353 BSP 2248 SGB 866.5 R23 -.0061 R13 .7255 LSA 626.3 MSA 140.6 SSA 25.0
 BDE .3788 BRA .3341 BC3 .6484 FSP -490 SG1 770.2 SG2 396.9 THA 176.75 EL1 467.0 EL2 101.9 ALF 46.91

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.353 GAL -6.90 AZL 86.58 HCA 97.59 SMA 126.14 ECC .20620 INC 3.4200 V1 30.219
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.603 GAP -8.42 AZP 90.45 TAL 208.74 TAP 306.32 RCA 100.13 APO 152.15 V2 35.208
 RC 54.462 GL 20.45 GP -1.76 ZAL 130.84 ZAP 19.46 ETS 4.01 ZAE 147.09 ETE 339.43 ZAC 65.78 ETC 162.57 CLP -19.38

PLANETOCENTRIC CONIC
 C3 21.493 VHL 4.636 DLA -.60 RAL 295.52 RAD 6567.9 VEL 11.953 PTH 2.13 VHP 5.996 OPA -16.23 RAP 333.72 ECC 1.3537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 55 2213.11 -19.53 41.39 157.81 110.92 2 54 48 1613.1 -16.51 34.01
 90.00 14 7 5 4894.19 20.42 212.70 158.10 69.94 15 28 40 4294.2 17.50 205.24
 100.00 3 38 59 1951.62 -20.59 21.72 157.37 112.16 4 11 31 1351.6 -17.40 14.37
 100.00 15 28 43 4630.91 21.48 192.91 157.68 68.69 16 45 54 4030.9 18.39 185.48
 110.00 4 46 35 1739.99 -23.41 4.30 156.02 115.65 5 15 35 1140.0 -19.77 357.06
 110.00 16 37 36 4415.30 24.32 175.23 156.36 65.21 17 51 11 3815.3 20.77 167.88

DIFFERENTIAL CORRECTIONS
 TDE -.2507 TRA -.3135 TC3 .6436 BAU .1943 SGT 776.0 SGR 394.9 SG3 206.4 ST 331.4 SR 341.8 SS 462.8
 RDE -.2763 RRA .0379 RC3 -.2080 FAU .05776 RRT -.0896 RRF .0973 RTF -.7298 CRT .9186 CRS .9864 CST .8586
 FDE .7093 FRA -.4306 FC3 -2.3267 BSP 2278 SGB 870.7 R23 -.0094 R13 .7304 LSA 647.9 MSA 143.0 SSA 25.1
 BDE .3730 BRA .3157 BC3 .6763 FSP -566 SG1 777.1 SG2 392.8 THA 176.49 EL1 466.3 EL2 96.0 ALF 45.97

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.467 GAL -6.92 AZL 86.56 HCA 100.83 SMA 126.89 ECC .20083 INC 3.4362 V1 30.219
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.678 GAP -7.66 AZP 90.65 TAL 209.93 TAP 310.76 RCA 101.41 APO 152.38 V2 35.200
 RC 56.291 GL 20.90 GP -1.90 ZAL 131.80 ZAP 22.54 ETS 3.63 ZAE 147.49 ETE 339.39 ZAC 65.97 ETC 162.54 CLP -22.47

PLANETOCENTRIC CONIC
 C3 20.997 VHL 4.582 DLA -.37 RAL 294.29 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 5.607 OPA -16.32 RAP 333.93 ECC 1.3456
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 19 2214.51 -19.57 41.48 156.25 110.89 2 48 14 1614.5 -16.55 34.10
 90.00 14 3 51 4881.55 20.12 211.89 156.43 69.64 15 25 13 4281.6 17.17 204.46
 100.00 3 32 29 1952.68 -20.62 21.78 155.81 112.14 4 5 2 1352.7 -17.43 14.43
 100.00 15 25 22 4618.61 21.17 192.13 156.00 68.39 16 42 21 4018.6 18.05 184.72
 110.00 4 40 20 1740.30 -23.42 4.32 154.47 115.64 5 9 21 1140.3 -19.78 357.08
 110.00 16 34 0 4403.76 23.99 174.50 154.68 64.89 17 47 24 3803.8 20.41 167.19

DIFFERENTIAL CORRECTIONS
 TDE -.2505 TRA -.2981 TC3 .6612 BAU .1953 SGT 777.4 SGR 390.3 SG3 234.6 ST 333.1 SR 334.2 SS 499.2
 RDE -.2671 RRA .0324 RC3 -.2160 FAU .06439 RRT -.1004 RRF .1113 RTF -.7311 CRT .9264 CRS .9836 CST .8595
 FDE .8065 FRA -.5297 FC3 -2.6549 BSP 2286 SGB 869.9 R23 -.0137 R13 .7319 LSA 670.8 MSA 146.0 SSA 24.9
 BDE .3662 BRA .2999 BC3 .6956 FSP -653 SG1 778.7 SG2 387.7 THA 176.16 EL1 463.1 EL2 90.5 ALF 45.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.567 GAL -6.93 AZL 86.55 HCA 104.06 SMA 127.56 ECC .19619 INC 3.4529 V1 30.219
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.742 GAP -6.93 AZP 90.84 TAL 211.05 TAP 315.11 RCA 102.54 APO 152.59 V2 35.191
 RC 58.184 GL 21.30 GP -2.07 ZAL 132.65 ZAP 25.81 ETS 3.32 ZAE 148.17 ETE 339.14 ZAC 65.99 ETC 162.46 CLP -25.73

PLANETOCENTRIC CONIC
 C3 20.588 VHL 4.537 DLA -.16 RAL 293.18 RAD 6567.8 VEL 11.915 PTH 2.12 VHP 5.245 OPA -16.48 RAP 333.96 ECC 1.3388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 18 2216.48 -19.61 41.60 154.87 110.84 2 42 14 1616.5 -16.61 34.22
 90.00 14 1 1 4870.15 19.85 211.17 154.95 69.38 15 22 12 4270.1 16.86 203.76
 100.00 3 26 34 1954.33 -20.66 21.89 154.44 112.10 3 59 8 1354.3 -17.48 14.53
 100.00 15 22 26 4607.53 20.89 191.42 154.52 68.12 16 39 14 4007.5 17.74 184.05
 110.00 4 34 39 1741.23 -23.45 4.38 153.11 115.61 5 3 40 1141.2 -19.81 357.13
 110.00 16 30 51 4393.39 23.69 173.84 153.19 64.60 17 44 4 3793.4 20.07 166.57

DIFFERENTIAL CORRECTIONS
 TDE -.2467 TRA -.2840 TC3 .6714 BAU .1948 SGT 772.6 SGR 385.0 SG3 267.0 ST 330.1 SR 325.5 SS 536.9
 RDE -.2576 RRA .0271 RC3 -.2240 FAU .07200 RRT -.1169 RRF .1299 RTF -.7299 CRT .9318 CRS .9806 CST .8579
 FDE .9158 FRA -.6445 FC3 -3.0277 BSP 2305 SGB 863.2 R23 -.0171 R13 .7311 LSA 693.0 MSA 149.1 SSA 24.6
 BDE .3567 BRA .2853 BC3 .7078 FSP -757 SG1 774.3 SG2 381.6 THA 175.59 EL1 455.6 EL2 85.6 ALF 44.57

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 86.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 27.654 GAL -6.95 AZL 86.53 MCA 107.30 SMA 128.16 ECC .19217 INC 3.4699 V1 30.219
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.797 GAP -6.23 AZP 91.03 TAL 212.06 TAP 319.36 RCA 103.53 APO 152.78 V2 35.181
 RC 60.133 GL 21.67 GP -2.25 ZAL 133.38 ZAP 29.28 ETS 3.05 ZAE 149.15 ETE 338.64 ZAC 65.82 ETC 162.33 CLP -29.20

DISTANCE 237.327

PLANETOCENTRIC CONIC

C3 20.248 VHL 4.500 DLA .05 RAL 292.20 RAD 6567.8 VEL 11.901 PTH 2.11 VHP 4.908 DPA -16.73 RAP 333.80 ECC 1.3332
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 49 2219.01 -19.68 41.76 153.67 110.78 2 36 48 1619.0 -16.67 34.37
 90.00 13 58 40 4859.67 19.59 210.50 153.65 69.14 15 19 39 4259.7 16.58 203.12
 100.00 3 21 11 1956.55 -20.71 22.03 153.24 112.05 3 53 48 1356.5 -17.54 14.67
 100.00 15 19 59 4597.37 20.63 190.78 153.21 67.88 16 36 36 3997.4 17.45 183.43
 110.00 4 29 30 1742.75 -23.50 4.47 151.92 115.57 4 58 32 1142.7 -19.86 357.22
 110.00 16 28 10 4383.93 23.41 173.25 151.89 64.35 17 41 14 3783.9 19.77 166.01

DIFFERENTIAL CORRECTIONS

TOE -.2420 TRA -.2755 TC3 .6662 BAU .1910 SGT 759.9 SGR 379.0 SG3 303.2 ST 326.1 SR 315.2 SS 578.4
 ROE -.2474 RRA .0219 RC3 -.2319 FAU .08047 RRT -.1315 RRF .1505 RTF -.7206 CRT .9347 CRS .9779 CST .8545
 FOE 1.0435 FRA -.7707 FC3-3.4405 BSP 2250 SGB 849.1 R23 -.0256 R13 .7223 LSA 718.5 MSA 152.9 SSA 24.0
 BOE .3461 BRA .2763 BC3 .7054 FSP -871 SG1 762.0 SGT 374.6 THA 175.05 EL1 446.1 EL2 81.9 ALF 43.97

ORBIT DETERMINATION ACCURACY

MID-COURSE EXECUTION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 27.729 GAL -6.96 AZL 86.51 MCA 110.53 SMA 128.67 ECC .18871 INC 3.4876 V1 30.219
 RP 107.75 LAP 3.27 LOP 182.20 VP 37.842 GAP -5.57 AZP 91.22 TAL 212.97 TAP 323.50 RCA 104.39 APO 152.96 V2 35.171
 RC 62.133 GL 22.01 GP -2.46 ZAL 134.00 ZAP 32.96 ETS 2.79 ZAE 150.44 ETE 337.84 ZAC 65.44 ETC 162.14 CLP -32.88

DISTANCE 243.991

PLANETOCENTRIC CONIC

C3 19.964 VHL 4.468 DLA .26 RAL 291.34 RAD 6567.8 VEL 11.889 PTH 2.11 VHP 4.596 DPA -17.08 RAP 333.43 ECC 1.3286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 52 2222.07 -19.75 41.96 152.64 110.71 2 31 54 1622.1 -16.76 34.56
 90.00 13 56 47 4849.87 19.36 209.88 152.52 68.92 15 17 37 4249.9 16.32 202.52
 100.00 3 16 20 1959.29 -20.78 22.20 152.21 111.98 3 48 59 1359.3 -17.62 14.84
 100.00 15 18 0 4587.88 20.39 190.18 152.08 67.65 16 34 28 3987.9 17.18 182.85
 110.00 4 24 52 1744.80 -23.56 4.60 150.89 115.52 4 53 56 1144.8 -19.93 357.34
 110.00 16 25 58 4375.14 23.15 172.70 150.75 64.12 17 38 53 3775.1 19.48 165.48

DIFFERENTIAL CORRECTIONS

TOE -.2337 TRA -.2710 TC3 .6477 BAU .1844 SGT 738.6 SGR 372.3 SG3 343.9 ST 317.8 SR 303.6 SS 622.2
 ROE -.2366 RRA .0169 RC3 -.2401 FAU .08996 RRT -.1483 RRF .1758 RTF -.7035 CRT .9345 CRS .9753 CST .8472
 FOE 1.1881 FRA -.9114 FC3-3.9012 BSP 2161 SGB 827.2 R23 -.0377 R13 .7062 LSA 745.1 MSA 156.7 SSA 23.4
 BOE .3326 BRA .2715 BC3 -.6908 FSP -1000 SG1 741.4 SGT 366.8 THA 174.34 EL1 432.3 EL2 79.5 ALF 43.60

ORBIT DETERMINATION ACCURACY

MID-COURSE EXECUTION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 27.794 GAL -6.96 AZL 86.49 MCA 113.76 SMA 129.12 ECC .18574 INC 3.5060 V1 30.219
 RP 107.78 LAP 3.21 LOP 185.44 VP 37.880 GAP -4.93 AZP 91.41 TAL 213.76 TAP 327.52 RCA 105.14 APO 153.11 V2 35.160
 RC 64.180 GL 22.33 GP -2.69 ZAL 134.51 ZAP 36.89 ETS 2.54 ZAE 152.03 ETE 336.63 ZAC 64.85 ETC 161.87 CLP -36.80

DISTANCE 250.628

PLANETOCENTRIC CONIC

C3 19.722 VHL 4.441 DLA .47 RAL 290.61 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 4.311 DPA -17.53 RAP 332.83 ECC 1.3246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 24 2225.65 -19.84 42.18 151.76 110.63 2 27 30 1625.6 -16.85 34.78
 90.00 13 55 25 4840.51 19.13 209.29 151.54 68.71 15 16 5 4240.5 16.06 201.95
 100.00 3 11 58 1962.56 -20.87 22.41 151.33 111.90 3 44 41 1362.6 -17.71 15.04
 100.00 15 16 32 4578.83 20.15 189.61 151.10 67.44 16 32 51 3978.8 16.92 182.31
 110.00 4 20 43 1747.38 -23.63 4.76 150.02 115.45 4 49 50 1147.4 -20.01 357.50
 110.00 16 24 17 4366.78 22.90 172.18 149.77 63.90 17 37 4 3766.8 19.21 164.99

DIFFERENTIAL CORRECTIONS

TOE -.2204 TRA -.2704 TC3 .6165 BAU .1753 SGT 708.8 SGR 365.3 SG3 389.4 ST 303.4 SR 290.5 SS 667.3
 ROE -.2251 RRA .0118 RC3 -.2490 FAU .10060 RRT -.1694 RRF .2072 RTF -.6765 CRT .9300 CRS .9725 CST .8335
 FOE 1.3482 FRA -1.0688 FC3-4.4161 BSP 2062 SGB 797.4 R23 -.0540 R13 .6809 LSA 771.8 MSA 160.1 SSA 22.8
 BOE .3150 BRA .2707 BC3 .6649 FSP -1151 SG1 712.4 SGT 358.2 THA 173.31 EL1 412.6 EL2 78.5 ALF 43.66

ORBIT DETERMINATION ACCURACY

MID-COURSE EXECUTION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

RL 147.44 LAL .00 LOL 71.64 VL 27.848 GAL -6.96 AZL 86.47 MCA 116.99 SMA 129.50 ECC .18319 INC 3.5254 V1 30.219
 RP 107.81 LAP 3.14 LOP 188.67 VP 37.909 GAP -4.32 AZP 91.60 TAL 214.43 TAP 331.42 RCA 105.78 APO 153.23 V2 35.149
 RC 66.268 GL 22.63 GP -2.94 ZAL 134.90 ZAP 41.06 ETS 2.29 ZAE 153.91 ETE 334.91 ZAC 64.03 ETC 161.52 CLP -40.97

DISTANCE 257.236

PLANETOCENTRIC CONIC

C3 19.513 VHL 4.417 DLA .69 RAL 290.00 RAD 6567.8 VEL 11.870 PTH 2.11 VHP 4.051 DPA -18.09 RAP 331.99 ECC 1.3211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 23 2229.77 -19.93 42.45 151.03 110.54 2 23 33 1629.8 -16.96 35.03
 90.00 13 54 34 4831.33 18.90 208.71 150.72 68.51 15 15 6 4231.3 15.81 201.40
 100.00 3 8 3 1966.36 -20.96 22.65 150.61 111.81 3 40 49 1366.4 -17.82 15.27
 100.00 15 15 36 4569.97 19.92 189.05 150.28 67.24 16 31 46 3970.0 16.67 181.77
 110.00 4 17 1 1750.46 -23.72 4.96 149.31 115.37 4 46 12 1150.5 -20.11 357.68
 110.00 16 23 7 4358.63 22.66 171.67 148.94 63.69 17 35 45 3758.6 18.94 164.51

DIFFERENTIAL CORRECTIONS

TOE -.2037 TRA -.2771 TC3 .5653 BAU .1621 SGT 669.6 SGR 358.0 SG3 438.9 ST 285.7 SR 275.8 SS 715.6
 ROE -.2126 RRA .0069 RC3 -.2583 FAU .11209 RRT -.1850 RRF .2429 RTF -.9629 CRT .9193 CRS .9701 CST .8113
 FOE 1.5287 FRA -1.2358 FC3-4.9733 BSP 1878 SGB 759.3 R23 -.0840 R13 .6371 LSA 801.5 MSA 163.7 SSA 22.0
 BOE .2944 BRA .2772 BC3 .6215 FSP -1311 SG1 674.1 SGT 349.5 THA 172.26 EL1 389.0 EL2 79.7 ALF 43.90

ORBIT DETERMINATION ACCURACY

MID-COURSE EXECUTION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 263.815

RL 147.44 LAL .00 LOL 71.64 VL 27.893 GAL -6.95 AZL 86.45 MCA 120.22 SMA 129.82 ECC .18100 INC 3.5459 V1 30.219
 RP 107.85 LAP 3.06 LOP 191.90 VP 37.932 GAP -3.73 AZP 91.79 TAL 214.98 TAP 335.19 RCA 106.32 APO 153.32 V2 35.138
 RC 68.394 GL 22.92 GP -3.22 ZAL 135.19 ZAP 45.49 ETS 2.01 ZAE 156.07 ETE 332.46 ZAC 62.97 ETC 161.08 CLP -45.40

PLANETOCENTRIC CONIC

C3 19.328 VML 4.396 OLA .91 RAL 289.51 RAD 6567.8 VEL 11.862 PTH 2.10 VHP 3.817 DPA -18.75 RAP 330.89 ECC 1.3181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 46 2234.46 -20.05 42.74 150.44 110.43 2 20 1 1634.5 -17.09 35.32
 90.00 13 54 16 4822.13 18.67 208.14 150.03 68.31 15 14 39 4222.1 15.56 200.84
 100.00 3 4 32 1970.71 -21.07 22.93 150.02 111.70 3 37 23 1370.7 -17.94 15.53
 100.00 15 15 12 4561.10 19.69 188.50 149.58 67.04 16 31 13 3961.1 16.44 181.24
 110.00 4 13 45 1754.07 -23.83 5.19 148.73 115.27 4 42 59 1154.1 -20.22 357.90
 110.00 16 22 28 4350.51 22.41 171.17 148.24 63.49 17 34 59 3750.5 18.67 164.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1815 TRA -.2901 TC3 .4956 BAU .1456 SGT 623.5 SGR 350.7 SG3 492.2 ST 262.7 SR 259.5 SS 765.5
 RDE -.1991 RRA .0020 RC3 -.2684 FAU .12440 RRT -.1941 RRF .2843 RTF -.5548 CRT .8976 CRS .9678 CST .7732
 FDE 1.7259 FRA -1.4126 FC3-5.5723 BSP 1643 SGB 715.4 R23 -.1327 R13 .5680 LSA 833.0 MSA 166.9 SSA 21.2
 BDE .2694 BRA .2901 BC3 .5636 FSP -1485 SG1 628.8 SG2 341.1 THA 171.15 EL1 359.7 EL2 83.5 ALF 44.61

LAUNCH DATE DEC 4 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 270.363

RL 147.44 LAL .00 LOL 71.64 VL 27.930 GAL -6.93 AZL 86.43 MCA 123.44 SMA 130.08 ECC .17913 INC 3.5678 V1 30.219
 RP 107.89 LAP 2.98 LOP 195.13 VP 37.948 GAP -3.17 AZP 91.97 TAL 215.41 TAP 338.85 RCA 106.78 APO 153.39 V2 35.126
 RC 70.553 GL 23.21 GP -3.53 ZAL 135.37 ZAP 50.18 ETS 1.70 ZAE 158.46 ETE 329.00 ZAC 61.68 ETC 160.52 CLP -50.09

PLANETOCENTRIC CONIC

C3 19.161 VML 4.377 OLA 1.15 RAL 289.13 RAD 6567.8 VEL 11.855 PTH 2.10 VHP 3.611 DPA -19.52 RAP 329.54 ECC 1.3153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 30 2239.75 -20.17 43.08 149.99 110.30 2 16 50 1639.8 -17.23 35.65
 90.00 13 54 32 4812.72 18.43 207.55 149.46 68.11 15 14 44 4212.7 15.30 200.27
 100.00 3 1 23 1975.66 -21.20 23.24 149.57 111.58 3 34 18 1375.7 -18.08 15.83
 100.00 15 15 20 4552.05 19.44 187.94 149.02 66.84 16 31 12 3952.0 16.14 180.70
 110.00 4 10 51 1758.22 -23.95 5.45 148.28 115.16 4 40 9 1158.2 -20.36 358.14
 110.00 16 22 21 4342.25 22.16 170.66 147.67 63.28 17 34 44 3742.3 18.39 163.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1523 TRA -.3091 TC3 .4082 BAU .1267 SGT 575.5 SGR 343.9 SG3 548.9 ST 233.6 SR 241.8 SS 814.7
 RDE -.1846 RRA -.0030 RC3 -.2794 FAU .13751 RRT -.1902 RRF .3329 RTF -.4379 CRT .8539 CRS .9651 CST .7044
 FDE 1.9328 FRA -1.5985 FC3-6.2130 BSP 1376 SGB 670.4 R23 -.2099 R13 .4608 LSA 864.7 MSA 169.4 SSA 20.4
 BDE .2393 BRA .3091 BC3 .4947 FSP -1678 SG1 581.1 SG2 334.4 THA 170.26 EL1 323.7 EL2 90.8 ALF 46.15

LAUNCH DATE DEC 4 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 276.883

RL 147.44 LAL .00 LOL 71.64 VL 27.959 GAL -6.90 AZL 86.41 MCA 126.66 SMA 130.29 ECC .17753 INC 3.5913 V1 30.219
 RP 107.92 LAP 2.88 LOP 198.35 VP 37.958 GAP -2.63 AZP 92.15 TAL 215.72 TAP 342.38 RCA 107.16 APO 153.42 V2 35.114
 RC 72.741 GL 23.50 GP -3.87 ZAL 135.45 ZAP 55.12 ETS 1.36 ZAE 161.01 ETE 324.04 ZAC 60.16 ETC 159.83 CLP -55.03

PLANETOCENTRIC CONIC

C3 19.005 VML 4.360 OLA 1.40 RAL 288.86 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 3.430 DPA -20.39 RAP 327.93 ECC 1.3128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 32 2245.73 -20.31 43.46 149.65 110.16 2 13 58 1645.7 -17.38 36.01
 90.00 13 55 21 4802.90 18.18 206.94 149.01 67.91 15 15 23 4202.9 15.02 199.68
 100.00 2 58 32 1981.25 -21.34 23.60 149.23 111.45 3 31 33 1381.3 -18.24 16.18
 100.00 15 16 2 4542.61 19.19 187.35 148.57 66.63 16 31 45 3942.6 15.87 180.14
 110.00 4 8 16 1762.96 -24.08 5.75 147.96 115.03 4 37 39 1163.0 -20.51 358.43
 110.00 16 22 47 4333.66 21.90 170.13 147.21 63.07 17 35 1 3733.7 18.11 163.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1177 TRA -.3368 TC3 .2968 BAU .1056 SGT 535.7 SGR 337.5 SG3 606.4 ST 204.0 SR 222.5 SS 865.0
 RDE -.1692 RRA -.0077 RC3 -.2909 FAU .15064 RRT -.1479 RRF .3853 RTF -.2527 CRT .7651 CRS .9627 CST .5802
 FDE 2.1512 FRA -1.7786 FC3-6.8619 BSP 1032 SGB 633.1 R23 -.3269 R13 .2841 LSA 899.7 MSA 171.9 SSA 19.5
 BDE .2061 BRA .3369 BC3 .4156 FSP -1869 SG1 539.4 SG2 331.4 THA 171.42 EL1 283.8 EL2 103.0 ALF 48.25

LAUNCH DATE DEC 4 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 283.372

RL 147.44 LAL .00 LOL 71.64 VL 27.981 GAL -6.87 AZL 86.38 MCA 129.88 SMA 130.45 ECC .17617 INC 3.6169 V1 30.219
 RP 107.96 LAP 2.77 LOP 201.58 VP 37.963 GAP -2.11 AZP 92.32 TAL 215.91 TAP 345.79 RCA 107.47 APO 153.43 V2 35.101
 RC 74.954 GL 23.80 GP -4.24 ZAL 135.43 ZAP 60.28 ETS .98 ZAE 163.59 ETE 316.82 ZAC 58.45 ETC 159.00 CLP -60.19

PLANETOCENTRIC CONIC

C3 18.858 VML 4.343 OLA 1.68 RAL 288.70 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 3.277 DPA -21.35 RAP 326.09 ECC 1.3104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 50 2252.47 -20.47 43.90 149.43 110.00 2 11 22 1652.5 -17.56 36.43
 90.00 13 56 44 4792.50 17.91 206.29 148.67 67.70 15 16 36 4192.5 14.73 199.06
 100.00 2 55 57 1987.57 -21.49 24.00 149.02 111.29 3 29 5 1387.6 -18.41 16.56
 100.00 15 17 18 4532.63 18.92 186.73 148.22 66.42 16 32 50 3932.6 15.57 179.54
 110.00 4 5 59 1768.36 -24.24 6.09 147.75 114.88 4 35 28 1168.4 -20.68 358.75
 110.00 16 23 45 4324.61 21.62 169.58 146.86 62.85 17 35 50 3724.6 17.80 162.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0752 TRA -.3710 TC3 .1661 BAU .0871 SGT 520.0 SGR 332.2 SG3 663.9 ST 177.3 SR 202.2 SS 912.1
 RDE -.1531 RRA -.0124 RC3 -.3031 FAU .16377 RRT -.0572 RRF .4431 RTF .0030 CRT .5783 CRS .9595 CST .3446
 FDE 2.3655 FRA -1.9551 FC3-7.5184 BSP 697 SGB 617.1 R23 -.4438 R13 .0144 LSA 934.8 MSA 173.5 SSA 18.7
 BDE .1705 BRA .3712 BC3 .3456 FSP -2070 SG1 520.6 SG2 331.3 THA 176.48 EL1 239.6 EL2 122.1 ALF 51.40

LAUNCH DATE DEC 4 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.996 GAL -6.83 AZL 86.36 HCA 133.10 SMA 130.56 ECC .17500 INC 3.6449 V1 30.219
 RP 108.00 LAP 2.66 LOP 204.80 VP 37.962 GAP -1.62 AZP 92.49 TAL 215.99 TAP 349.09 RCA 107.71 APO 153.41 V2 35.089
 RC 77.191 GL 24.11 GP -4.63 ZAL 135.31 ZAP 65.62 ETS .54 ZAE 165.95 ETE 306.25 ZAC 56.59 ETC 158.02 CLP -65.54

PLANETOCENTRIC CONIC
 C3 18.716 VHL 4.326 DLA 1.98 RAL 288.63 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 3.151 OPA -22.37 RAP 324.04 ECC 1.3080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 19 2260.07 -20.65 44.38 149.32 109.82 2 8 59 1660.1 -17.76 36.90
 90.00 13 58 43 4781.34 17.62 205.60 148.43 67.47 15 18 24 4181.3 14.42 198.39
 100.00 2 53 35 1994.73 -21.67 24.46 148.91 111.11 3 26 50 1394.7 -18.61 17.00
 100.00 15 19 8 4521.92 18.63 186.07 147.98 66.19 16 34 30 3921.9 15.25 178.91
 110.00 4 3 57 1774.50 -24.41 6.48 147.65 114.70 4 33 31 1174.5 -20.88 359.12
 110.00 16 25 16 4314.91 21.31 168.99 146.61 62.62 17 37 11 3714.9 17.48 161.96

MID-COURSE EXECUTION ACCURACY
 SGT 549.1 SGR 327.5 SG3 717.3
 RRT .0877 RRF .5016 RTF .2932
 SGB 639.3 R23 .4633 R13 .3156
 SG1 550.2 SG2 325.5 THA 4.61

ORBIT DETERMINATION ACCURACY
 ST 168.2 SR 180.5 SS 958.7
 CRT .2475 CRS .9563 CST -.0268
 LSA 974.2 MSA 175.1 SSA 17.7
 EL1 195.5 EL2 150.4 ALF 52.97

DIFFERENTIAL CORRECTIONS
 TDE -.0269 TRA -.4134 TC3 .0117 BAU .0789
 RDE -.1360 RRA -.0167 RC3 -.3150 FAU .17576
 FDE 2.5779 FRA -2.1071 FC3 -8.1297 BSP .531
 BDE .1387 BRA .4137 BC3 .3152 FSP -2249

LAUNCH DATE DEC 4 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 28.006 GAL -6.78 AZL 86.32 HCA 136.32 SMA 130.62 ECC .17401 INC 3.6761 V1 30.219
 RP 108.04 LAP 2.54 LOP 208.01 VP 37.957 GAP -1.14 AZP 92.66 TAL 215.96 TAP 352.28 RCA 107.90 APO 153.35 V2 35.076
 RC 79.446 GL 24.44 GP -5.06 ZAL 135.10 ZAP 71.10 ETS .05 ZAE 167.72 ETE 291.21 ZAC 54.63 ETC 156.89 CLP -71.02

PLANETOCENTRIC CONIC
 C3 18.578 VHL 4.310 DLA 2.31 RAL 288.66 RAD 6567.8 VEL 11.830 PTH 2.10 VHP 3.051 OPA -23.44 RAP 321.83 ECC 1.3058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 57 2268.70 -20.84 44.94 149.32 109.61 2 6 46 1668.7 -17.98 37.43
 90.00 14 1 19 4769.24 17.30 204.86 148.29 67.23 15 20 48 4169.2 14.07 197.67
 100.00 2 51 22 2002.85 -21.87 24.98 148.91 110.90 3 24 45 1402.8 -18.83 17.50
 100.00 15 21 34 4510.32 18.31 185.36 147.83 65.95 16 36 45 3910.3 14.90 178.22
 110.00 4 2 6 1781.50 -24.61 6.93 147.66 114.51 4 31 47 1181.5 -21.10 359.55
 110.00 16 27 21 4304.43 20.98 168.36 146.45 62.38 17 39 5 3704.4 17.12 161.36

MID-COURSE EXECUTION ACCURACY
 SGT 631.6 SGR 323.8 SG3 764.9
 RRT .2453 RRF .5607 RTF .5380
 SGB 709.7 R23 .3976 R13 .5718
 SG1 638.1 SG2 310.7 THA 9.42

ORBIT DETERMINATION ACCURACY
 ST 188.3 SR 157.9 SS 1001.1
 CRT -.1466 CRS .9523 CST -.4242
 LSA 1015.5 MSA 176.2 SSA 16.7
 EL1 192.4 EL2 152.9 ALF 160.15

DIFFERENTIAL CORRECTIONS
 TDE .0282 TRA -.4621 TC3 -.1619 BAU .0906
 RDE -.1185 RRA -.0205 RC3 -.3266 FAU .18625
 FDE 2.7721 FRA -2.2318 FC3 -8.6792 BSP .848
 BDE .1218 BRA .4626 BC3 .3646 FSP -2411

LAUNCH DATE DEC 4 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 28.010 GAL -6.72 AZL 86.29 HCA 139.53 SMA 130.65 ECC .17316 INC 3.7111 V1 30.219
 RP 108.08 LAP 2.41 LOP 211.23 VP 37.948 GAP -.69 AZP 92.82 TAL 215.83 TAP 355.35 RCA 108.03 APO 153.28 V2 35.063
 RC 81.719 GL 24.79 GP -5.52 ZAL 134.79 ZAP 76.64 ETS 359.51 ZAE 168.41 ETE 272.19 ZAC 52.64 ETC 155.59 CLP -76.58

PLANETOCENTRIC CONIC
 C3 18.444 VHL 4.295 DLA 2.69 RAL 288.78 RAD 6567.7 VEL 11.825 PTH 2.09 VHP 2.977 OPA -24.54 RAP 319.52 ECC 1.3035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 40 2278.52 -21.07 45.57 149.42 109.37 2 4 38 1678.5 -18.23 38.04
 90.00 14 4 32 4756.01 16.95 204.04 148.23 66.98 15 23 48 4156.0 13.69 196.88
 100.00 2 49 15 2012.11 -22.09 25.58 149.02 110.66 3 22 47 1412.1 -19.08 18.08
 100.00 15 24 38 4497.65 17.95 184.58 147.77 65.69 16 39 35 3897.7 14.52 177.47
 110.00 4 0 22 1789.52 -24.84 7.44 147.78 114.28 4 30 12 1189.5 -21.35 .03
 110.00 16 30 0 4293.01 20.62 167.67 146.38 62.11 17 41 33 3693.0 16.73 160.71

MID-COURSE EXECUTION ACCURACY
 SGT 761.5 SGR 321.3 SG3 804.8
 RRT .3821 RRF .6198 RTF .7025
 SGB 826.5 R23 .3290 R13 .7279
 SG1 773.0 SG2 292.6 THA 10.72

ORBIT DETERMINATION ACCURACY
 ST 239.0 SR 135.0 SS 1036.1
 CRT -.4352 CRS .9464 CST -.6892
 LSA 1057.1 MSA 176.5 SSA 15.7
 EL1 248.3 EL2 117.0 ALF 162.09

DIFFERENTIAL CORRECTIONS
 TDE .0898 TRA -.5157 TC3 -.3515 BAU .1202
 RDE -.1007 RRA -.0239 RC3 -.3380 FAU .19498
 FDE 2.9316 FRA -2.3275 FC3 -9.1525 BSP .1407
 BDE .1349 BRA .5162 BC3 .4876 FSP -2560

LAUNCH DATE DEC 4 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 28.008 GAL -6.66 AZL 86.25 HCA 142.74 SMA 130.64 ECC .17245 INC 3.7511 V1 30.219
 RP 108.12 LAP 2.27 LOP 214.44 VP 37.935 GAP -.25 AZP 92.99 TAL 215.59 TAP 358.33 RCA 108.11 APO 153.17 V2 35.050
 RC 84.008 GL 25.17 GP -6.01 ZAL 134.38 ZAP 82.18 ETS 358.90 ZAE 167.73 ETE 252.85 ZAC 50.69 ETC 154.15 CLP -82.13

PLANETOCENTRIC CONIC
 C3 18.313 VHL 4.279 DLA 3.10 RAL 288.98 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 2.928 OPA -25.64 RAP 317.18 ECC 1.3014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 22 2289.79 -21.32 46.30 149.62 109.09 2 2 32 1689.8 -18.52 38.75
 90.00 14 8 27 4741.40 16.56 203.15 148.25 66.70 15 27 28 4141.4 13.27 196.02
 100.00 2 47 10 2022.75 -22.35 26.27 149.22 110.39 3 20 52 1422.7 -19.37 18.74
 100.00 15 28 21 4483.67 17.56 183.73 147.79 65.41 16 43 4 3883.7 14.10 176.65
 110.00 3 58 43 1798.75 -25.09 8.04 148.00 114.01 4 28 42 1198.8 -21.64 .59
 110.00 16 33 16 4280.43 20.22 166.91 146.40 61.83 17 44 36 3680.4 16.30 159.99

MID-COURSE EXECUTION ACCURACY
 SGT 928.5 SGR 319.6 SG3 833.3
 RRT .4921 RRF .6750 RTF .8012
 SGB 981.9 R23 .2789 R13 .8174
 SG1 942.9 SG2 274.0 THA 10.51

ORBIT DETERMINATION ACCURACY
 ST 311.8 SR 111.3 SS 1067.8
 CRT -.5906 CRS .9383 CST -.8224
 LSA 1103.8 MSA 176.8 SSA 14.7
 EL1 319.2 EL2 87.7 ALF 167.11

DIFFERENTIAL CORRECTIONS
 TDE .1562 TRA -.5738 TC3 -.5558 BAU .1605
 RDE -.0825 RRA -.0266 RC3 -.3480 FAU .20086
 FDE 3.0647 FRA -2.3751 FC3 -9.4956 BSP .2067
 BDE .1766 BRA .5744 BC3 .6558 FSP -2658

LAUNCH DATE DEC 4 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 315.381

RL 147.44 LAL .00 LOL 71.64 VL 28.003 GAL -6.58 AZL 86.20 MCA 145.95 SMA 130.60 ECC .17186 INC 3.7973 V1 30.219
 RP 108.16 LAP 2.13 LOP 217.64 VP 37.919 GAP .18 AZP 93.15 TAL 215.26 TAP 1.21 RCA 108.16 APO 153.05 V2 35.036
 RC 86.309 GL 25.59 GP -6.55 ZAL 133.88 ZAP 87.63 ETS 358.23 ZAE 165.85 ETE 237.21 ZAC 48.86 ETC 152.57 CLP -87.62

PLANETOCENTRIC CONIC

C3 18.188 VHL 4.265 DLA 3.57 RAL 289.26 RAD 6567.7 VEL 11.814 PTM 2.09 VHP 2.903 DPA -26.75 RAP 314.90 ECC 1.2993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 59 2302.83 -21.61 47.15 149.93 108.76 2 0 22 1702.8 -18.85 39.56
 90.00 14 13 5 4725.15 16.12 202.16 148.36 66.40 15 31 50 4125.2 12.80 195.06
 100.00 2 45 0 2035.07 -22.64 27.07 149.53 110.06 3 18 55 1435.1 -19.70 19.50
 100.00 15 32 46 4468.14 17.12 182.79 147.89 65.11 16 47 14 3868.1 13.62 175.75
 110.00 3 57 4 1809.49 -25.39 8.73 148.32 113.70 4 27 14 1209.5 -21.97 1.25
 110.00 16 37 10 4266.49 19.77 166.08 146.49 61.53 17 48 17 3666.5 15.81 159.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2270 TRA -.6341 TC3 -.7689 BAU .2062 SGT 1118.8 SGR 319.3 SG3 851.1 ST 398.8 SR 87.4 S5 1090.8
 ROE -.0641 RRA -.0290 RC3 -.3576 FAU .20427 RRT .5794 RRF .7281 RTF .8596 CRT -.6628 CRS .9236 CST -.8899
 FDE 3.1507 FRA-2.3881 FC3-9.7232 BSP 2774 SGB 1163.5 R23 .2480 R13 .8701 LSA 1151.2 MSA 176.2 SSA 13.6
 BOE .2359 BRA .6348 BC3 .8480 FSP -2738 SGI 1134.9 SG2 256.6 THA 9.90 EL1 403.1 EL2 64.8 ALF 171.51

LAUNCH DATE DEC 4 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 321.699

RL 147.44 LAL .00 LOL 71.64 VL 27.993 GAL -6.50 AZL 86.15 MCA 149.15 SMA 130.53 ECC .17136 INC 3.8519 V1 30.219
 RP 108.20 LAP 1.97 LOP 220.85 VP 37.899 GAP .58 AZP 93.31 TAL 214.84 TAP 3.99 RCA 108.16 APO 152.90 V2 35.023
 RC 88.623 GL 26.07 GP -7.16 ZAL 133.27 ZAP 92.94 ETS 357.48 ZAE 163.22 ETE 226.16 ZAC 47.22 ETC 150.87 CLP -92.96

PLANETOCENTRIC CONIC

C3 18.072 VHL 4.251 DLA 4.11 RAL 289.62 RAD 6567.7 VEL 11.809 PTM 2.09 VHP 2.900 DPA -27.86 RAP 312.75 ECC 1.2974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 24 2318.10 -21.94 48.15 150.34 108.37 1 58 2 1718.1 -19.23 40.52
 90.00 14 18 33 4706.91 15.62 201.05 148.55 66.08 15 37 0 4106.9 12.26 193.99
 100.00 2 42 40 2049.52 -22.97 28.01 149.95 109.67 3 16 49 1449.5 -20.08 20.41
 100.00 15 37 58 4450.72 16.62 181.74 148.07 64.79 16 52 8 3850.7 13.08 174.73
 110.00 3 55 19 1822.11 -25.73 9.55 148.76 113.32 4 25 41 1222.1 -22.35 2.03
 110.00 16 41 47 4250.88 19.26 165.16 146.66 61.20 17 52 38 3650.9 15.27 158.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3015 TRA -.6956 TC3 -.9870 BAU .2543 SGT 1323.9 SGR 319.9 SG3 855.6 ST 495.2 SR 62.7 S5 1111.4
 ROE -.0450 RRA -.0306 RC3 -.3662 FAU .20437 RRT .6506 RRF .7767 RTF .8944 CRT -.6744 CRS .8936 CST -.9252
 FDE 3.2091 FRA-2.3497 FC3-9.7903 BSP 3505 SGB 1362.0 R23 .2304 R13 .9015 LSA 1205.5 MSA 175.8 SSA 12.4
 BOE .3048 BRA .6962 BC3 1.0527 FSP -2758 SGI 1340.7 SG2 239.9 THA 9.23 EL1 497.1 EL2 46.1 ALF 175.08

LAUNCH DATE DEC 4 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 327.991

RL 147.44 LAL .00 LOL 71.64 VL 27.979 GAL -6.41 AZL 86.08 MCA 152.36 SMA 130.44 ECC .17096 INC 3.9177 V1 30.219
 RP 108.24 LAP 1.82 LOP 224.05 VP 37.877 GAP .98 AZP 93.47 TAL 214.34 TAP 6.69 RCA 108.14 APO 152.73 V2 35.010
 RC 90.946 GL 26.62 GP -7.87 ZAL 132.56 ZAP 98.04 ETS 356.64 ZAE 160.21 ETE 218.72 ZAC 45.85 ETC 149.08 CLP -98.11

PLANETOCENTRIC CONIC

C3 17.973 VHL 4.239 DLA 4.73 RAL 290.05 RAD 6567.7 VEL 11.805 PTM 2.09 VHP 2.917 DPA -28.99 RAP 310.80 ECC 1.2958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 26 2336.25 -22.32 49.34 150.86 107.89 1 55 22 1736.3 -19.67 41.67
 90.00 14 24 56 4686.19 15.05 199.80 148.81 65.73 15 43 2 4086.2 11.64 192.78
 100.00 2 40 0 2066.71 -23.36 29.14 150.49 109.20 3 14 27 1466.7 -20.53 21.49
 100.00 15 44 3 4430.97 16.04 180.56 148.33 64.43 16 57 54 3831.0 12.47 173.59
 110.00 3 53 21 1837.17 -26.14 10.54 149.31 112.86 4 23 58 1237.2 -22.81 2.96
 110.00 16 47 12 4233.27 18.68 164.12 146.90 60.84 17 57 45 3633.3 14.65 157.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3788 TRA -.7569 TC3-1.2054 BAU .3034 SGT 1536.4 SGR 323.4 SG3 850.1 ST 598.2 SR 37.9 S5 1124.7
 ROE -.0255 RRA -.0324 RC3 -.3757 FAU .20223 RRT .7109 RRF .8228 RTF .9164 CRT -.5809 CRS .7954 CST -.9457
 FDE 3.2245 FRA-2.2840 FC3-9.7408 BSP 4254 SGB 1570.0 R23 .2233 R13 .9216 LSA 1262.4 MSA 174.7 SSA 11.2
 BOE .3797 BRA .7576 BC3 1.2626 FSP -2760 SGI 1553.9 SG2 224.9 THA 8.69 EL1 598.6 EL2 30.8 ALF 177.89

LAUNCH DATE DEC 4 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 334.257

RL 147.44 LAL .00 LOL 71.64 VL 27.962 GAL -6.30 AZL 86.00 MCA 155.56 SMA 130.31 ECC .17063 INC 3.9992 V1 30.219
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.852 GAP 1.35 AZP 93.64 TAL 213.75 TAP 9.31 RCA 108.08 APO 152.55 V2 34.996
 RC 93.279 GL 27.27 GP -8.72 ZAL 131.73 ZAP 102.88 ETS 355.67 ZAE 157.05 ETE 213.80 ZAC 44.79 ETC 147.19 CLP -103.03

PLANETOCENTRIC CONIC

C3 17.901 VHL 4.231 DLA 5.46 RAL 290.55 RAD 6567.7 VEL 11.802 PTM 2.09 VHP 2.952 DPA -30.19 RAP 309.11 ECC 1.2946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 53 2358.26 -22.78 50.79 151.52 107.30 1 52 11 1758.3 -20.19 43.07
 90.00 14 32 26 4662.30 14.37 198.37 149.16 65.34 15 50 9 4062.3 10.93 191.39
 100.00 2 36 48 2087.38 -23.82 30.52 151.15 108.61 3 11 36 1487.6 -21.06 22.81
 100.00 15 51 12 4408.21 15.37 179.20 148.68 64.04 17 4 40 3808.2 11.75 172.28
 110.00 3 50 57 1853.30 -26.61 11.75 150.00 112.29 4 21 53 1255.5 -23.36 4.10
 110.00 16 53 32 4213.05 18.00 162.94 147.23 60.44 18 3 45 3613.1 13.93 156.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4602 TRA -.8164 TC3-1.4179 BAU .3517 SGT 1749.7 SGR 329.9 SG3 832.7 ST 707.6 SR 17.7 S5 1138.3
 ROE -.0037 RRA -.0340 RC3 -.3860 FAU .19710 RRT .7623 RRF .8646 RRF .9302 CRT .1442 CRS .0947 CST -.9582
 FDE 3.2244 FRA-2.1748 FC3-9.5323 BSP 4985 SGB 1780.6 R23 .2241 R13 .9342 LSA 1329.1 MSA 173.9 SSA 9.9
 BOE .4603 BRA .8171 BC3 1.4695 FSP -2705 SGI 1768.0 SG2 211.4 THA 8.30 EL1 707.7 EL2 17.5 ALF .21

LAUNCH DATE DEC 4 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.942 GAL -6.19 AZL 85.90 HCA 158.76 SMA 130.17 ECC .17039 INC 4.1035 V1 30.219
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.625 GAP 1.72 AZP 93.83 TAL 213.10 TAP 11.85 RCA 107.99 APO 152.35 V2 34.983
 RC 95.621 GL 28.05 GP -9.78 ZAL 130.77 ZAP 107.41 ETS 354.51 ZAE 153.86 ETE 210.64 ZAC 44.12 ETC 145.20 CLP-107.68

PLANETOCENTRIC CONIC
 C3 17.872 VHL 4.228 DLA 6.34 RAL 291.10 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 3.006 DPA -31.54 RAP 307.75 ECC 1.2941
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 23 2385.64 -23.32 52.62 152.33 106.54 1 48 8 1785.6 -20.83 44.83
 90.00 14 41 21 4634.18 13.57 196.70 149.61 64.91 15 58 35 4034.2 10.07 189.76
 100.00 2 32 44 2113.55 -24.37 32.25 151.97 107.86 3 7 58 1513.6 -21.70 24.47
 100.00 15 59 41 4381.49 14.56 177.63 149.11 63.60 17 12 42 3781.5 10.90 170.75
 110.00 3 47 53 1878.39 -27.20 13.27 150.85 111.55 4 19 11 1278.4 -24.02 5.54
 110.00 17 1 2 4189.42 17.20 161.58 147.64 60.00 18 10 51 3589.4 13.09 154.89

DIFFERENTIAL CORRECTIONS
 TDE .5457 TRA -.8747 TC3-1.6216 BAU .3991
 RDE .0202 RRA -.0365 RC3 -.4008 FAU .19036
 FDE 3.1976 FRA-2.0535 FC3-9.2214 BSP 5722
 BDE .5461 BRA .8755 BC3 1.6704 FSP -2641

MID-COURSE EXECUTION ACCURACY
 SGT 1962.0 SGR 343.6 SG3 807.8
 RRT .8073 RRF .9028 RTF .9396
 SGB 1991.9 R23 .2309 R13 .9430
 SG1 1981.8 SG2 200.8 THA 8.13

ORBIT DETERMINATION ACCURACY
 ST 822.7 SR 32.8 SS 1148.0
 CRT .9640 CRS -.9214 CST -.9667
 LSA 1402.1 MSA 172.6 SSA 8.6
 EL1 823.3 EL2 8.7 ALF 2.20

LAUNCH DATE DEC 4 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.919 GAL -6.07 AZL 85.76 HCA 161.95 SMA 130.01 ECC .17021 INC 4.2427 V1 30.219
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.796 GAP 2.07 AZP 94.03 TAL 212.37 TAP 14.32 RCA 107.88 APO 152.13 V2 34.970
 RC 97.969 GL 29.03 GP -11.18 ZAL 129.63 ZAP 111.61 ETS 353.05 ZAE 150.65 ETE 208.86 ZAC 43.93 ETC 143.06 CLP-112.05

PLANETOCENTRIC CONIC
 C3 17.917 VHL 4.233 DLA 7.43 RAL 291.70 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 3.076 DPA -33.14 RAP 306.75 ECC 1.2949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 21 2420.94 -23.98 54.99 153.34 105.52 1 42 42 1820.9 -21.62 47.12
 90.00 14 52 10 4600.06 12.57 194.69 150.16 64.42 16 8 50 4000.1 9.03 187.80
 100.00 2 27 16 2147.08 -25.06 34.51 153.00 106.86 3 3 3 1547.1 -22.51 26.64
 100.00 16 9 57 4349.15 13.58 175.73 149.66 63.11 17 22 26 3749.1 9.86 168.91
 110.00 3 43 40 1908.01 -27.92 15.27 151.91 110.57 4 15 28 1308.0 -24.87 7.43
 110.00 17 10 3 4160.98 16.23 159.95 148.15 59.49 18 19 24 3561.0 12.06 153.33

DIFFERENTIAL CORRECTIONS
 TDE .6394 TRA -.9310 TC3-1.8083 BAU .4448
 RDE .0491 RRA -.0400 RC3 -.4217 FAU .18153
 FDE 3.1715 FRA-1.9084 FC3-8.7710 BSP 6436
 BDE .6413 BRA .9318 BC3 1.8569 FSP -2538

MID-COURSE EXECUTION ACCURACY
 SGT 2169.7 SGR 367.3 SG3 774.5
 RRT .8453 RRF .9353 RTF .9457
 SGB 2200.6 R23 .2421 R13 .9489
 SG1 2192.0 SG2 194.2 THA 8.21

ORBIT DETERMINATION ACCURACY
 ST 946.8 SR 69.3 SS 1161.2
 CRT .9795 CRS -.9927 CST -.9726
 LSA 1490.0 MSA 171.7 SSA 7.2
 EL1 949.2 EL2 13.9 ALF 4.10

LAUNCH DATE DEC 4 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.894 GAL -5.95 AZL 85.56 HCA 165.14 SMA 129.82 ECC .17011 INC 4.4394 V1 30.219
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.765 GAP 2.41 AZP 94.29 TAL 211.57 TAP 16.71 RCA 107.74 APO 151.91 V2 34.957
 RC 100.323 GL 30.32 GP -13.14 ZAL 128.28 ZAP 115.41 ETS 351.11 ZAE 147.37 ETE 208.31 ZAC 44.36 ETC 140.63 CLP-116.14

PLANETOCENTRIC CONIC
 C3 18.097 VHL 4.254 DLA 8.85 RAL 292.33 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 3.167 DPA -35.24 RAP 306.19 ECC 1.2978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 45 2468.84 -24.82 58.25 154.65 104.09 1 34 54 1868.8 -22.64 50.26
 90.00 15 5 48 4556.80 11.29 192.16 150.87 63.86 16 21 45 3956.8 7.68 185.34
 100.00 2 19 24 2192.59 -25.92 37.61 154.32 105.44 2 55 57 1592.6 -23.55 29.62
 100.00 16 22 50 4308.29 12.30 173.36 150.35 62.54 17 34 38 3708.3 8.53 166.61
 110.00 3 37 28 1948.28 -28.85 18.03 153.29 109.18 4 9 57 1348.3 -25.97 10.05
 110.00 17 21 15 4125.35 14.99 157.94 148.80 58.91 18 30 1 3525.4 10.76 151.39

DIFFERENTIAL CORRECTIONS
 TDE .7455 TRA -.9881 TC3-1.9709 BAU .4894
 RDE .0860 RRA -.0464 RC3 -.4546 FAU .17136
 FDE 3.1416 FRA-1.7641 FC3-8.1979 BSP 7167
 BDE .7504 BRA .9892 BC3 2.0227 FSP -2429

MID-COURSE EXECUTION ACCURACY
 SGT 2373.7 SGR 408.7 SG3 734.8
 RRT .8764 RRF .9610 RTF .9502
 SGB 2408.6 R23 .2544 R13 .9534
 SG1 2400.7 SG2 194.6 THA 8.64

ORBIT DETERMINATION ACCURACY
 ST 1083.5 SR 118.0 SS 1175.8
 CRT .9747 CRS -.9987 CST -.9773
 LSA 1594.2 MSA 170.2 SSA 5.8
 EL1 1089.6 EL2 26.3 ALF 6.06

LAUNCH DATE DEC 4 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.866 GAL -5.81 AZL 85.26 HCA 168.34 SMA 129.63 ECC .17007 INC 4.7402 V1 30.219
 RP 108.44 LAP .96 LOP 240.01 VP 37.733 GAP 2.74 AZP 94.64 TAL 210.71 TAP 19.05 RCA 107.58 APO 151.67 V2 34.945
 RC 102.682 GL 32.14 GP -16.11 ZAL 126.58 ZAP 118.68 ETS 348.32 ZAE 143.77 ETE 209.11 ZAC 45.71 ETC 137.69 CLP-119.97

PLANETOCENTRIC CONIC
 C3 18.540 VHL 4.306 DLA 10.82 RAL 292.96 RAD 6567.8 VEL 11.829 PTH 2.09 VHP 3.286 DPA -38.28 RAP 306.18 ECC 1.3051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 23 2538.93 -25.89 63.11 156.44 101.89 1 22 42 1938.9 -23.99 54.95
 90.00 15 24 11 4498.02 9.50 188.76 151.84 63.20 16 39 9 3898.0 5.83 182.01
 100.00 2 7 8 2259.16 -27.04 42.24 156.15 103.25 2 44 47 1659.2 -24.95 34.07
 100.00 16 40 7 4252.86 10.55 170.20 151.29 61.87 17 51 0 3652.9 6.71 163.52
 110.00 3 27 39 2007.22 -30.10 22.17 155.21 107.02 4 1 6 1407.2 -27.48 13.96
 110.00 17 36 5 4077.75 13.30 155.28 149.67 58.22 18 44 3 3477.7 9.00 148.82

DIFFERENTIAL CORRECTIONS
 TDE .8811 TRA -1.0463 TC3-2.0839 BAU .5314
 RDE .1399 RRA -.0568 RC3 -.5037 FAU .15850
 FDE 3.1409 FRA-1.6027 FC3-7.4011 BSP 7835
 BDE .8921 BRA 1.0479 BC3 2.1439 FSP -2264

MID-COURSE EXECUTION ACCURACY
 SGT 2569.9 SGR 478.3 SG3 684.7
 RRT .8996 RRF .9788 RTF .9533
 SGB 2614.0 R23 .2647 R13 .9569
 SG1 2605.9 SG2 205.9 THA 9.56

ORBIT DETERMINATION ACCURACY
 ST 1248.3 SR 188.0 SS 1202.2
 CRT .9746 CRS -.9992 CST -.9814
 LSA 1735.0 MSA 168.8 SSA 4.4
 EL1 1261.7 EL2 41.6 ALF 8.36

LAUNCH DATE DEC 4 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 365.226

RL 147.44 LAL .00 LOL 71.64 VL 27.836 GAL -5.66 AZL 84.74 HCA 171.52 SMA 129.42 ECC .17009 INC 5.2636 V1 30.219
 RP 108.48 LAP .77 LOP 243.20 VP 37.700 GAP 3.06 AZP 95.21 TAL 209.79 TAP 21.32 RCA 107.40 APO 151.43 V2 34.932
 RC 105.043 GL 35.02 GP -21.12 ZAL 124.25 ZAP 121.08 ETS 343.84 ZAE 139.22 ETE 211.70 ZAC 48.74 ETC 133.73 CLP-123.60

PLANETOCENTRIC CONIC

C3 19.608 VHL 4.428 DLA 13.85 RAL 293.51 RAD 6567.8 VEL 11.874 PTH 2.11 VMP 3.466 DPA -43.26 RAP 307.04 ECC 1.3227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 16 51 2654.90 -27.26 71.32 159.24 97.99 1 1 6 2054.9 -25.87 62.92
 90.00 15 52 8 4408.51 6.72 183.66 153.37 62.43 17 5 37 3808.5 2.97 176.99
 100.00 1 45 30 2368.99 -28.51 50.07 159.02 99.38 2 24 59 1769.0 -26.92 41.63
 100.00 17 6 10 4169.65 7.84 165.50 152.76 61.06 18 15 40 3569.6 3.92 158.90
 110.00 3 10 9 2104.13 -31.82 29.19 158.25 103.20 3 45 13 1504.1 -29.68 20.64
 110.00 17 58 0 4007.27 10.74 181.43 151.01 57.35 19 4 48 3407.3 6.36 145.07

DIFFERENTIAL CORRECTIONS

TOE 1.0734 TRA-1.1210 TC3-2.1153 BAU .5750
 ROE .2299 RRA -.0774 RC3 -.5802 FAU .14221
 FDE 3.1540 FRA-1.4496 FC3-6.2788 BSP 8625
 BOE 1.0977 BRA 1.1237 BC3 2.1935 FSP -2075

MID-COURSE EXECUTION ACCURACY

SGT 2769.5 SGR 602.7 SG3 618.9
 RRT .9167 RRF .9893 RTF .9563
 SGB 2834.3 R23 .2659 R13 .9609
 SG1 2824.5 SG2 236.2 TMA 11.36

ORBIT DETERMINATION ACCURACY

ST 1460.5 SR 299.5 SS 1235.5
 CRT .9783 CRS -.9992 CST -.9854
 LSA 1929.2 MSA 166.0 SSA 3.1
 EL1 1489.6 EL2 60.8 ALF 11.36

LAUNCH DATE DEC 4 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 371.352

RL 147.44 LAL .00 LOL 71.64 VL 27.804 GAL -5.51 AZL 83.59 HCA 174.71 SMA 129.19 ECC .17018 INC 6.4087 V1 30.219
 RP 108.52 LAP .59 LOP 246.38 VP 37.665 GAP 3.36 AZP 96.38 TAL 208.82 TAP 23.53 RCA 107.21 APO 151.18 V2 34.920
 RC 107.406 GL 40.38 GP -31.15 ZAL 120.41 ZAP 121.17 ETS 335.58 ZAE 131.52 ETE 216.93 ZAC 55.76 ETC 127.67 CLP-127.20

PLANETOCENTRIC CONIC

C3 22.742 VHL 4.769 DLA 19.38 RAL 293.81 RAD 6567.9 VEL 12.005 PTH 2.14 VMP 3.854 DPA -53.10 RAP 310.03 ECC 1.3743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 20 8 2897.44 -28.31 88.95 164.65 89.24 24 8 26 2297.4 -28.11 80.29
 90.00 16 47 17 4237.21 1.24 174.06 156.87 61.71 17 57 55 3637.2 -2.55 167.43
 100.00 0 57 29 2596.20 -29.88 66.79 164.65 90.71 1 40 45 1996.2 -29.47 58.01
 100.00 17 56 33 4013.68 2.62 156.86 156.11 60.21 19 3 27 3413.7 -1.37 150.34
 110.00 2 31 48 2301.11 -33.91 44.16 164.43 94.59 3 10 9 1701.1 -32.90 35.06
 110.00 18 38 44 3881.53 6.05 144.71 153.98 56.29 19 43 25 3281.5 1.58 138.48

DIFFERENTIAL CORRECTIONS

TOE 1.4494 TRA-1.2352 TC3-1.9169 BAU .6166
 ROE .4271 RRA -.1173 RC3 -.6622 FAU .11358
 FDE 3.1686 FRA-1.2373 FC3-4.3237 BSP 9369
 BOE 1.5110 BRA 1.2407 BC3 2.0280 FSP -1691

MID-COURSE EXECUTION ACCURACY

SGT 2974.9 SGR 827.4 SG3 503.7
 RRT .9277 RRF .9939 RTF .9600
 SGB 3087.8 R23 .2522 R13 .9667
 SG1 3073.3 SG2 299.1 TMA 14.61

ORBIT DETERMINATION ACCURACY

ST 1805.0 SR 515.5 SS 1278.2
 CRT .9843 CRS -.9993 CST -.9901
 LSA 2265.4 MSA 160.9 SSA 1.9
 EL1 1875.1 EL2 87.7 ALF 15.74

LAUNCH DATE DEC 4 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 377.449

RL 147.44 LAL .00 LOL 71.64 VL 27.771 GAL -5.34 AZL 79.02 HCA 177.88 SMA 128.96 ECC .17031 INC10.9782 V1 30.219
 RP 108.56 LAP .40 LOP 249.56 VP 37.629 GAP 3.66 AZP 100.97 TAL 207.79 TAP 25.67 RCA 107.00 APO 150.93 V2 34.909
 RC 109.770 GL 53.77 GP -57.30 ZAL 110.92 ZAP 111.81 ETS 316.31 ZAE 110.89 ETE 221.24 ZAC 75.91 ETC 115.55 CLP-133.45

PLANETOCENTRIC CONIC

C3 42.603 VHL 6.527 DLA 33.11 RAL 293.53 RAD 6568.6 VEL 12.805 PTH 2.33 VMP 5.902 DPA -77.89 RAP 334.02 ECC 1.7011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.08 17 45 53 4160.82 -16.98 178.44 175.63 61.14 18 55 14 3560.8 -20.70 171.37
 107.92 22 19 19 3287.76 -16.97 113.54 175.62 61.13 23 14 6 2687.8 -20.69 106.47
 72.08 17 45 53 4160.82 -16.98 178.44 175.63 61.14 18 55 14 3560.8 -20.70 171.37
 107.92 22 19 19 3287.76 -16.97 113.54 175.62 61.13 23 14 6 2687.8 -20.69 106.47
 110.00 23 36 52 3049.60 -23.77 98.80 179.33 64.67 24 27 42 2449.6 -26.97 91.10
 110.00 21 27 30 3446.98 -10.42 121.85 171.61 57.26 22 24 57 2847.0 -14.66 115.31

DIFFERENTIAL CORRECTIONS

TOE 2.8710 TRA-1.6419 TC3-1.0249 BAU .6323
 ROE .9589 RRA -.1452 RC3 -.4266 FAU .04844
 FDE 2.5745 FRA -.8025 FC3 -.9844 BSP 10982
 BOE 3.0269 BRA 1.6483 BC3 1.1101 FSP -828

MID-COURSE EXECUTION ACCURACY

SGT 3332.0 SGR 1020.7 SG3 236.1
 RRT .9198 RRF .9846 RTF .9734
 SGB 3484.8 R23 .1964 R13 .9801
 SG1 3463.4 SG2 385.2 TMA 15.94

ORBIT DETERMINATION ACCURACY

ST 2572.8 SR 843.2 SS 1159.8
 CRT .9891 CRS -.9984 CST -.9959
 LSA 2941.9 MSA 143.6 SSA 1.2
 EL1 2704.9 EL2 118.2 ALF 18.00

LAUNCH DATE DEC 4 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 383.594

RL 147.44 LAL .00 LOL 71.64 VL 27.736 GAL -5.18 AZL 101.14 HCA 181.12 SMA 128.72 ECC .17064 INC11.1432 V1 30.219
 RP 108.59 LAP .22 LOP 252.73 VP 37.593 GAP 3.97 AZP 78.86 TAL 206.76 TAP 27.88 RCA 106.76 APO 150.69 V2 34.897
 RC 112.133 GL -54.24 GP 73.53 ZAL 110.01 ZAP 104.15 ETS 48.81 ZAE 102.77 ETE 137.51 ZAC 60.17 ETC 240.38 CLP-149.59

PLANETOCENTRIC CONIC

C3 43.241 VHL 6.576 DLA -68.91 RAL 341.86 RAD 6568.6 VEL 12.830 PTH 2.34 VMP 9.807 DPA 49.13 RAP 280.51 ECC 1.7116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.12 6 6 8 1957.23 29.67 66.59 239.16 155.54 6 38 45 1357.2 36.89 62.88
 155.88 16 28 34 5498.85 29.68 255.78 239.18 155.53 18 0 13 4898.8 36.90 252.06
 24.12 6 6 8 1957.23 29.67 66.59 239.16 155.54 6 38 45 1357.2 36.89 62.88
 155.88 16 28 34 5498.85 29.68 255.78 239.18 155.53 18 0 13 4898.8 36.90 252.06
 24.12 6 6 8 1957.23 29.67 66.59 239.16 155.54 6 38 45 1357.2 36.89 62.88
 155.88 16 28 34 5498.85 29.68 255.78 239.18 155.53 18 0 13 4898.8 36.90 252.06

DIFFERENTIAL CORRECTIONS

TOE-3.3429 TRA .4114 TC3-1.1104 BAU .7049
 ROE 1.1135 RRA -.3427 RC3 .5036 FAU .02501
 FDE-1.2342 FRA .2723 FC3 -.5007 BSP 13541
 BOE 3.5235 BRA .5355 BC3 1.2193 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 3407.2 SGR 1438.3 SG3 122.9
 RRT -.9427 RRF -.9903 RTF .9799
 SGB 3698.4 R23 .1511 R13 -.9885
 SG1 3671.5 SG2 445.2 TMA 157.96

ORBIT DETERMINATION ACCURACY

ST 2928.3 SR 1001.8 SS 926.6
 CRT -.9889 CRS .9976 CST -.9968
 LSA 3227.1 MSA 152.0 SSA .6
 EL1 3091.8 EL2 140.9 ALF 161.27

LAUNCH DATE DEC 4 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 389.636

RL 147.44 LAL .00 LOL 71.64 VL 27.700 GAL -4.99 AZL 90.37 MCA 184.27 SMA 128.47 ECC .17088 INC .3744 V1 30.219
 RP 108.63 LAP .03 LOP 255.91 VP 37.556 GAP 4.24 AZP 89.63 TAL 205.63 TAP 29.90 RCA 106.52 APO 150.42 V2 34.886
 RC 114.493 GL -3.02 GP 34.45 ZAL 129.35 ZAP 126.45 ETS 27.53 ZAE 131.16 ETE 146.82 ZAC 37.02 ETC 201.58 CLP-136.09

PLANETOCENTRIC CONIC

C3 11.566 VHL 3.401 DLA -22.61 RAL 305.22 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 4.348 DPA 11.51 RAP 296.79 ECC 1.1903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 5 1296.41 8.24 348.45 160.24 117.19 6 35 41 696.4 11.82 341.60
 90.00 11 28 19 5530.94 28.31 257.13 165.40 90.37 13 0 30 4930.9 28.07 248.47
 100.00 7 18 42 1087.81 6.89 332.39 159.51 119.16 7 36 50 487.8 10.73 325.70
 100.00 13 6 23 5214.77 29.85 233.85 165.37 88.29 14 33 18 4614.8 29.29 225.09
 110.00 7 52 38 981.45 3.72 322.37 157.55 124.00 8 8 59 381.4 8.16 316.09
 110.00 14 48 57 4893.90 33.56 209.15 165.05 83.09 16 10 31 4293.9 32.24 200.17

DIFFERENTIAL CORRECTIONS

TDE -.2834 TRA -.6607 TC3-4.5221 BAU .7444
 RDE .0619 RRA .0324 RC3 1.6520 FAU .09584
 FDE -.1877 FRA -.1715 FC3-7.1737 BSP 11011
 BDE .2901 BRA .6615 BC3 4.8144 FSP -1392

MID-COURSE EXECUTION ACCURACY

SGT 3338.0 SGR 1130.0 SG3 423.3
 RRT -.9483 RRF -.9995 RTF .9499
 SGB 3524.1 R23 .2809 R13 -.9593
 SG1 3507.5 SG2 341.3 THA 162.03

ORBIT DETERMINATION ACCURACY

ST 606.1 SR 111.1 SS 135.6
 CRT -.8814 CRS .9877 CST -.9073
 LSA 626.4 MSA 74.0 SSA 12.6
 EL1 614.0 EL2 51.8 ALF 170.76

LAUNCH DATE DEC 4 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 395.683

RL 147.44 LAL .00 LOL 71.64 VL 27.663 GAL -4.80 AZL 88.76 MCA 187.45 SMA 128.21 ECC .17124 INC 1.2367 V1 30.219
 RP 108.66 LAP -.16 LOP 259.08 VP 37.519 GAP 4.52 AZP 91.23 TAL 204.46 TAP 31.91 RCA 106.26 APO 150.17 V2 34.875
 RC 116.852 GL 10.04 GP 20.73 ZAL 127.11 ZAP 133.95 ETS 18.86 ZAE 136.11 ETE 159.63 ZAC 34.67 ETC 182.35 CLP-137.91

PLANETOCENTRIC CONIC

C3 11.672 VHL 3.416 DLA -9.52 RAL 303.79 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 3.989 DPA -1.83 RAP 300.24 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 49 1793.81 -7.64 16.37 156.34 117.35 4 28 43 1193.8 -3.91 9.67
 90.00 13 32 10 5037.36 23.47 222.09 159.33 73.68 14 56 8 4437.4 21.01 214.28
 100.00 5 15 29 1546.47 -8.52 357.71 155.86 118.76 5 41 16 946.5 -4.62 351.10
 100.00 14 58 11 4759.94 24.48 201.36 159.01 72.21 16 17 31 4159.9 21.76 193.58
 110.00 6 13 6 1366.08 -10.84 342.63 154.47 122.62 6 35 52 766.1 -6.46 336.27
 110.00 16 17 4 4513.09 26.96 181.60 158.00 68.14 17 32 17 3913.1 23.75 173.91

DIFFERENTIAL CORRECTIONS

TDE .2089 TRA -.7992 TC3-4.6615 BAU .7464
 RDE -.0447 RRA .0406 RC3 1.0738 FAU .11103
 FDE .6091 FRA -.2964 FC3-8.2352 BSP 11076
 BDE .2136 BRA .8002 BC3 4.7836 FSP -1626

MID-COURSE EXECUTION ACCURACY

SGT 3480.6 SGR 740.8 SG3 496.0
 RRT -.9530 RRF -.9970 RTF .9491
 SGB 3558.6 R23 .2933 R13 -.9529
 SG1 3551.8 SG2 219.9 THA 168.49

ORBIT DETERMINATION ACCURACY

ST 546.0 SR 80.8 SS 360.6
 CRT -.8343 CRS .9864 CST -.7626
 LSA 625.8 MSA 207.1 SSA 8.3
 EL1 550.2 EL2 44.2 ALF 172.91

LAUNCH DATE DEC 4 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 401.716

RL 147.44 LAL .00 LOL 71.64 VL 27.624 GAL -4.60 AZL 88.11 MCA 190.62 SMA 127.95 ECC .17167 INC 1.8875 V1 30.219
 RP 108.69 LAP -.35 LOP 262.25 VP 37.481 GAP 4.79 AZP 91.86 TAL 203.26 TAP 33.88 RCA 105.99 APO 149.92 V2 34.865
 RC 119.206 GL 15.22 GP 14.44 ZAL 124.58 ZAP 137.92 ETS 14.16 ZAE 136.64 ETE 166.51 ZAC 35.65 ETC 173.21 CLP-140.03

PLANETOCENTRIC CONIC

C3 11.949 VHL 3.457 DLA -4.09 RAL 304.28 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 3.975 DPA -7.85 RAP 302.32 ECC 1.1967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 51 1971.46 -13.02 26.64 157.33 115.37 3 51 42 1371.5 -9.50 19.74
 90.00 14 16 2 4869.55 19.83 211.13 158.67 69.36 15 37 12 4269.5 16.85 203.73
 100.00 4 38 16 1715.25 -13.89 7.37 156.90 116.74 5 6 52 1115.2 -10.19 .53
 100.00 15 39 18 4601.00 20.73 191.01 158.30 67.96 16 55 59 4001.0 17.55 183.65
 110.00 5 42 7 1515.36 -16.17 350.91 155.60 120.53 6 7 23 915.4 -12.00 344.28
 110.00 16 51 56 4373.65 23.11 172.61 157.16 64.08 18 4 50 3773.6 19.43 165.40

DIFFERENTIAL CORRECTIONS

TDE .4337 TRA -.8435 TC3-4.7221 BAU .7647
 RDE -.0445 RRA .0314 RC3 .7862 FAU .11054
 FDE .9552 FRA -.2781 FC3-8.0089 BSP 11406
 BDE .4360 BRA .8441 BC3 4.7871 FSP -1634

MID-COURSE EXECUTION ACCURACY

SGT 3624.8 SGR 551.0 SG3 499.2
 RRT -.9516 RRF -.9897 RTF .9484
 SGB 3666.4 R23 .2772 R13 -.9503
 SG1 3662.6 SG2 167.6 THA 171.75

ORBIT DETERMINATION ACCURACY

ST 838.5 SR 77.1 SS 548.7
 CRT -.9461 CRS .9869 CST -.9050
 LSA 985.0 MSA 199.8 SSA 7.9
 EL1 841.7 EL2 24.9 ALF 175.03

LAUNCH DATE DEC 4 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 407.731

RL 147.44 LAL .00 LOL 71.64 VL 27.585 GAL -4.39 AZL 87.76 MCA 193.80 SMA 127.69 ECC .17219 INC 2.2411 V1 30.219
 RP 108.72 LAP -.53 LOP 265.42 VP 37.443 GAP 5.05 AZP 92.18 TAL 202.02 TAP 35.82 RCA 105.70 APO 149.67 V2 34.856
 RC 121.557 GL 18.02 GP 10.93 ZAL 122.31 ZAP 140.79 ETS 11.35 ZAE 136.18 ETE 170.40 ZAC 37.13 ETC 168.47 CLP-142.10

PLANETOCENTRIC CONIC

C3 12.091 VHL 3.477 DLA -.95 RAL 305.32 RAD 6567.5 VEL 11.553 PTH 2.02 VHP 4.037 DPA -11.11 RAP 304.04 ECC 1.1990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 37 2071.50 -15.86 32.62 158.90 113.77 3 34 8 1471.5 -12.51 25.54
 90.00 14 43 33 4774.48 17.44 205.18 159.22 67.33 16 3 7 4174.5 14.22 197.98
 100.00 4 20 31 1810.54 -16.73 13.02 158.49 115.14 4 50 41 1210.5 -13.20 6.00
 100.00 16 5 20 4510.68 18.32 185.38 158.82 65.96 17 20 30 3910.7 14.91 178.24
 110.00 5 27 44 1600.09 -19.04 355.81 157.25 118.94 5 54 24 1000.1 -15.03 348.98
 110.00 17 14 35 4293.89 20.65 167.72 157.62 62.13 18 26 9 3693.9 16.76 160.76

DIFFERENTIAL CORRECTIONS

TDE .5725 TRA -.8593 TC3-4.8426 BAU .7896
 RDE -.0290 RRA .0230 RC3 .6408 FAU .10687
 FDE 1.1055 FRA -.2282 FC3-7.6519 BSP 11914
 BDE .5732 BRA .8596 BC3 4.8849 FSP -1613

MID-COURSE EXECUTION ACCURACY

SGT 3773.2 SGR 449.8 SG3 487.0
 RRT -.9425 RRF -.9752 RTF .9484
 SGB 3799.9 R23 .2392 R13 -.9495
 SG1 3797.0 SG2 149.4 THA 173.58

ORBIT DETERMINATION ACCURACY

ST 1039.5 SR 50.8 SS 639.0
 CRT -.9687 CRS .9699 CST -.9359
 LSA 1205.7 MSA 194.2 SSA 8.7
 EL1 1040.7 EL2 12.6 ALF 177.29

LAUNCH DATE DEC 4 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 413.729

RL 147.44 LAL .00 LOL 71.64 VL 27.545 GAL -4.18 AZL 87.54 MCA 196.97 SMA 127.42 ECC .17278 INC 2.4640 V1 30.219
 RP 108.75 LAP -.72 LOP 268.59 VP 37.405 GAP 5.31 AZP 92.36 TAL 200.75 TAP 37.72 RCA 105.40 APO 149.43 V2 34.846
 RC 123.903 GL 19.81 GP 8.70 ZAL 120.18 ZAP 143.17 ETS 9.52 ZAE 135.47 ETE 172.78 ZAC 38.71 ETC 165.80 CLP-144.07

PLANETOCENTRIC CONIC

C3 12.142 VHL 3.485 DLA 1.23 RAL 306.62 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 4.127 DPA -13.07 RAP 305.66 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 38 2140.08 -17.69 36.82 160.64 112.47 3 24 18 1540.1 -14.49 29.60
 90.00 15 4 56 4707.68 15.64 201.10 160.23 66.09 16 23 24 4107.7 12.28 194.04
 100.00 4 10 33 1875.85 -18.57 16.99 160.24 113.85 4 41 49 1275.9 -15.19 9.83
 100.00 16 25 42 4447.14 16.51 181.53 159.81 64.72 17 39 50 3847.1 12.97 174.52
 110.00 5 20 6 1658.12 -20.91 359.26 159.04 117.68 5 47 45 1058.1 -17.04 352.28
 110.00 17 32 38 4237.63 18.82 164.38 158.57 60.93 18 43 16 3637.6 14.80 157.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6713 TRA -.8611 TC3-5.0080 BAU .8180 SGT 3924.9 SGR 392.8 SG3 472.0 ST 1187.4 SR 23.6 SS 683.1
 ROE -.0115 RRA .0160 RC3 .5617 FAU .10285 RRT -.9239 RRF -.9527 RTF .9492 CRT -.9076 CRS .8521 CST -.9490
 FDE 1.1603 FRA -.1759 FC3-7.3337 BSP 12554 SGB 3944.5 R23 .1946 R13 -.9499 LSA 1357.0 MSA 188.6 SSA 9.9
 BOE .6714 BRA .8612 BC3 5.0394 FSP -1604 SG1 3941.7 SG2 149.7 TMA 174.71 EL1 1187.6 EL2 9.9 ALF 178.97

LAUNCH DATE DEC 4 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 419.716

RL 147.44 LAL .00 LOL 71.64 VL 27.505 GAL -3.95 AZL 87.38 MCA 200.14 SMA 127.14 ECC .17346 INC 2.6184 V1 30.219
 RP 108.78 LAP -.90 LOP 271.76 VP 37.367 GAP 5.57 AZP 92.46 TAL 199.44 TAP 39.58 RCA 105.09 APO 149.20 V2 34.838
 RC 126.245 GL 21.09 GP 7.18 ZAL 118.07 ZAP 145.27 ETS 8.26 ZAE 134.73 ETE 174.33 ZAC 40.31 ETC 164.23 CLP-145.93

PLANETOCENTRIC CONIC

C3 12.138 VHL 3.484 DLA 2.95 RAL 308.12 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 4.228 DPA -14.30 RAP 307.28 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 50 2193.29 -19.05 40.14 162.47 111.36 3 18 23 1593.3 -15.98 32.81
 90.00 15 23 39 4654.35 14.15 197.90 161.49 65.21 16 41 13 4054.3 10.69 190.93
 100.00 4 4 33 1926.48 -19.93 20.13 162.09 112.75 4 36 39 1326.5 -16.68 12.85
 100.00 16 43 37 4396.39 15.01 178.50 161.07 63.84 17 56 53 3796.4 11.38 171.60
 110.00 5 15 57 1703.00 -22.31 2.00 160.92 116.60 5 44 20 1103.0 -18.55 354.88
 110.00 17 48 42 4192.64 17.31 161.76 159.79 60.06 18 58 35 3592.6 13.20 155.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7967 TRA -.8067 TC3-5.0499 BAU .8234 SGT 3982.9 SGR 345.6 SG3 440.9 ST 1373.6 SR 10.6 SS 767.3
 ROE -.0007 RRA .0035 RC3 .4959 FAU .09361 RRT -.8900 RRF -.9130 RTF .9421 CRT -.2251 CRS .1727 CST -.9578
 FDE 1.2744 FRA -.0140 FC3-6.6766 BSP 12146 SGB 3997.9 R23 .1606 R13 -.9426 LSA 1561.4 MSA 193.9 SSA 10.2
 BOE .7967 BRA .8067 BC3 5.0742 FSP -1374 SG1 3994.8 SG2 157.1 TMA 175.58 EL1 1373.6 EL2 10.3 ALF 179.90

LAUNCH DATE DEC 4 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 425.682

RL 147.44 LAL .00 LOL 71.64 VL 27.464 GAL -3.71 AZL 87.27 MCA 203.31 SMA 126.87 ECC .17423 INC 2.7322 V1 30.219
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.330 GAP 5.82 AZP 92.51 TAL 198.10 TAP 41.41 RCA 104.77 APO 148.97 V2 34.830
 RC 128.581 GL 22.05 GP 6.08 ZAL 115.97 ZAP 147.19 ETS 7.36 ZAE 134.02 ETE 175.39 ZAC 41.94 ETC 163.30 CLP-147.69

PLANETOCENTRIC CONIC

C3 12.111 VHL 3.480 DLA 4.40 RAL 309.74 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 4.337 DPA -15.09 RAP 308.94 ECC 1.1993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 27 2238.01 -20.13 42.97 164.40 110.35 3 14 45 1638.0 -17.18 35.54
 90.00 15 40 58 4608.67 12.83 195.20 162.94 64.54 16 57 47 4008.7 9.29 188.30
 100.00 4 0 52 1968.99 -21.03 22.82 164.03 111.75 4 33 41 1369.0 -17.89 15.43
 100.00 17 0 15 4352.93 13.69 175.95 162.50 63.17 18 12 48 3752.9 9.98 169.13
 110.00 5 13 50 1740.58 -23.43 4.34 162.89 115.63 5 42 51 1140.6 -19.79 357.09
 110.00 18 3 46 4154.10 15.99 159.56 161.20 59.38 19 13 0 3554.1 11.81 152.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8628 TRA -.7901 TC3-5.2568 BAU .8546 SGT 4136.1 SGR 329.0 SG3 426.6 ST 1477.5 SR 27.0 SS 775.2
 ROE .0153 RRA -.0020 RC3 .4714 FAU .09015 RRT -.8525 RRF -.8738 RTF .9440 CRT -.8775 CRS -.9046 CST -.9623
 FDE 1.2538 FRA .0301 FC3-6.4446 BSP 12916 SGB 4149.2 R23 .1295 R13 -.9443 LSA 1658.1 MSA 188.0 SSA 11.5
 BOE .8629 BRA .7901 BC3 5.2779 FSP -1389 SG1 4145.6 SG2 171.6 TMA 176.11 EL1 1477.7 EL2 13.0 ALF .92

LAUNCH DATE DEC 4 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 431.633

RL 147.44 LAL .00 LOL 71.64 VL 27.422 GAL -3.47 AZL 87.18 MCA 206.48 SMA 126.59 ECC .17510 INC 2.8201 V1 30.219
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.292 GAP 6.07 AZP 92.52 TAL 196.73 TAP 43.21 RCA 104.43 APO 148.76 V2 34.822
 RC 130.911 GL 22.80 GP 5.25 ZAL 113.83 ZAP 148.96 ETS 6.70 ZAE 133.37 ETE 176.14 ZAC 43.60 ETC 162.77 CLP-149.36

PLANETOCENTRIC CONIC

C3 12.073 VHL 3.475 DLA 5.69 RAL 311.49 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 4.451 DPA -15.57 RAP 310.64 ECC 1.1987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 38 2277.99 -21.06 45.54 166.42 109.38 3 12 36 1678.0 -18.22 38.01
 90.00 15 57 44 4567.36 11.60 192.78 164.55 63.99 17 13 51 3967.4 8.01 185.94
 100.00 3 58 40 2006.94 -21.97 25.25 166.06 110.80 4 32 7 1406.9 -18.94 17.76
 100.00 17 16 23 4313.64 12.47 173.67 164.10 62.61 18 28 17 3713.6 8.71 166.91
 110.00 5 13 5 1774.06 -24.40 6.45 164.95 114.72 5 42 39 1174.1 -20.86 359.10
 110.00 18 18 28 4119.29 14.77 157.60 162.78 58.82 19 27 7 3519.3 10.54 151.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9366 TRA -.7513 TC3-5.4217 BAU .8781 SGT 4258.0 SGR 318.1 SG3 408.7 ST 1593.0 SR 48.1 SS 794.1
 ROE .0285 RRA -.0092 RC3 .4522 FAU .08538 RRT -.8066 RRF -.8260 RTF .9434 CRT .9547 CRS -.9593 CST -.9660
 FDE 1.2494 FRA .1022 FC3-6.1230 BSP 13356 SGB 4269.9 R23 .1077 R13 -.9437 LSA 1770.9 MSA 184.8 SSA 12.5
 BOE .9370 BRA .7514 BC3 5.4405 FSP -1341 SG1 4265.7 SG2 187.7 TMA 176.55 EL1 1593.7 EL2 14.3 ALF 1.65

LAUNCH DATE DEC 4 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.380 GAL -3.21 AZL 87.11 HCA 209.65 SMA 126.32 ECC .17607 INC 2.8902 V1 30.219
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.255 GAP 6.32 AZP 92.51 TAL 195.34 TAP 44.98 RCA 104.08 APO 148.56 V2 34.816
 RC 133.236 GL 23.41 GP 4.60 ZAL 111.63 ZAP 150.61 ETS 6.22 ZAE 132.78 ETE 176.69 ZAC 45.29 ETC 162.50 CLP-150.94

PLANETOCENTRIC CONIC
 C3 12.036 VML 3.469 DLA 6.89 RAL 313.35 RAD 6567.5 VEL 11.551 PTH 2.02 VMP 4.568 DPA -15.83 RAP 312.39 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 52 2315.26 -21.88 47.96 168.56 108.44 3 11 28 1715.3 -19.16 40.35
 90.00 16 14 20 4528.80 10.44 190.54 166.31 63.53 17 29 48 3928.8 6.80 183.75
 100.00 3 57 30 2042.29 -22.80 27.54 168.21 109.87 4 31 33 1442.3 -19.89 19.95
 100.00 17 32 23 4277.00 11.32 171.57 165.85 62.15 18 43 40 3677.0 7.50 164.86
 110.00 5 13 17 1805.17 -25.27 8.45 167.13 113.82 5 43 22 1205.2 -21.83 .99
 110.00 18 33 6 4086.89 13.62 155.79 164.50 58.34 19 41 13 3486.9 9.34 149.31

DIFFERENTIAL CORRECTIONS
 TOE 1.0104 TRA -.7001 TC3-5.5741 BAU .8997
 RDE .0404 RRA -.0168 RC3 .4390 FAU .08062
 FDE 1.2426 FRA .1779 FC3-5.7990 BSP 13727
 BDE 1.0112 BRA .7003 BC3 5.5914 FSP -1285

MID-COURSE EXECUTION ACCURACY
 SGT 4370.3 SGR 313.0 S63 391.1
 RRT -.7558 RRF -.7740 RTF .9424
 SGB 4381.5 R23 .0919 R13 -.9426
 SG1 4376.7 S62 204.7 THA 176.89

ORBIT DETERMINATION ACCURACY
 ST 1708.9 SR 67.9 SS 812.1
 CRT .9762 CRS -.9674 CST -.9691
 LSA 1884.4 MSA 181.8 SSA 13.5
 EL1 1710.1 EL2 14.7 ALF 2.22

LAUNCH DATE DEC 4 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.338 GAL -2.94 AZL 87.05 HCA 212.81 SMA 126.04 ECC .17714 INC 2.9480 V1 30.219
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.218 GAP 6.56 AZP 92.48 TAL 193.91 TAP 46.73 RCA 103.71 APO 148.37 V2 34.809
 RC 135.553 GL 23.90 GP 4.09 ZAL 109.38 ZAP 152.16 ETS 5.86 ZAE 132.25 ETE 177.10 ZAC 47.03 ETC 162.41 CLP-152.44

PLANETOCENTRIC CONIC
 C3 12.009 VML 3.465 DLA 8.03 RAL 315.31 RAD 6567.5 VEL 11.550 PTH 2.02 VMP 4.688 DPA -15.94 RAP 314.20 ECC 1.1976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 54 2351.08 -22.63 50.32 170.82 107.49 3 11 5 1751.1 -20.02 42.61
 90.00 16 30 59 4492.06 9.32 188.42 168.22 63.14 17 45 52 3892.1 5.64 181.67
 100.00 3 57 7 2076.22 -23.57 29.77 170.48 108.93 4 31 43 1476.2 -20.77 22.09
 100.00 17 48 27 4242.14 10.20 169.58 167.75 61.75 18 59 10 3642.1 6.35 162.91
 110.00 5 14 12 1834.98 -26.08 10.39 169.43 112.93 5 44 47 1235.0 -22.74 2.82
 110.00 18 47 51 4056.15 12.52 154.09 166.38 57.93 19 55 28 3456.2 8.19 147.67

DIFFERENTIAL CORRECTIONS
 TOE 1.0828 TRA -.6407 TC3-5.7191 BAU .9208
 RDE .0516 RRA -.0244 RC3 .4299 FAU .07612
 FDE 1.2312 FRA .2493 FC3-5.4876 BSP 14093
 BDE 1.0820 BRA .6411 BC3 5.7353 FSP -1234

MID-COURSE EXECUTION ACCURACY
 SGT 4479.0 SGR 312.6 S63 374.4
 RRT -.7032 RRF -.7208 RTF .9415
 SGB 4489.9 R23 .0803 R13 -.9417
 SG1 4484.4 S62 222.0 THA 177.18

ORBIT DETERMINATION ACCURACY
 ST 1822.7 SR 86.7 SS 827.4
 CRT .9852 CRS -.9668 CST -.9717
 LSA 1995.5 MSA 178.6 SSA 14.4
 EL1 1824.7 EL2 14.8 ALF 2.68

LAUNCH DATE DEC 4 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.295 GAL -2.67 AZL 87.00 HCA 215.98 SMA 125.76 ECC .17833 INC 2.9966 V1 30.219
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.182 GAP 6.80 AZP 92.43 TAL 192.47 TAP 48.44 RCA 103.34 APO 148.19 V2 34.804
 RC 137.863 GL 24.30 GP 3.67 ZAL 107.06 ZAP 153.63 ETS 5.60 ZAE 131.78 ETE 177.41 ZAC 48.81 ETC 162.44 CLP-153.87

PLANETOCENTRIC CONIC
 C3 12.001 VML 3.464 DLA 9.12 RAL 317.38 RAD 6567.5 VEL 11.549 PTH 2.02 VMP 4.812 DPA -15.91 RAP 316.05 ECC 1.1975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 30 2386.24 -23.33 52.66 173.21 106.52 3 11 17 1786.2 -20.84 44.87
 90.00 16 47 52 4456.59 8.22 186.39 170.28 62.81 18 2 9 3856.6 4.51 179.68
 100.00 3 57 18 2109.51 -24.29 31.98 172.89 107.98 4 32 28 1509.5 -21.60 24.21
 100.00 18 4 46 4208.55 9.11 167.68 169.80 61.41 19 14 54 3608.6 5.22 161.05
 110.00 5 15 42 1864.18 -26.84 12.32 171.86 112.01 5 46 46 1264.2 -23.61 4.65
 110.00 19 2 51 4026.65 11.45 152.48 168.40 57.57 20 9 58 3426.6 7.09 146.10

DIFFERENTIAL CORRECTIONS
 TOE 1.1552 TRA -.5720 TC3-5.8513 BAU .9412
 RDE .0622 RRA -.0322 RC3 .4229 FAU .07185
 FDE 1.2172 FRA .3181 FC3-5.1830 BSP 14444
 BDE 1.1569 BRA .5729 BC3 5.8666 FSP -1185

MID-COURSE EXECUTION ACCURACY
 SGT 4583.0 SGR 315.2 S63 358.7
 RRT -.6504 RRF -.6678 RTF .9406
 SGB 4593.9 R23 .0716 R13 -.9407
 SG1 4587.6 S62 239.2 THA 177.43

ORBIT DETERMINATION ACCURACY
 ST 1936.0 SR 104.5 SS 840.7
 CRT .9892 CRS -.9632 CST -.9740
 LSA 2105.9 MSA 175.2 SSA 15.3
 EL1 1938.8 EL2 15.3 ALF 3.06

LAUNCH DATE DEC 4 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 27.253 GAL -2.38 AZL 86.96 HCA 219.14 SMA 125.49 ECC .17964 INC 3.0383 V1 30.219
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.146 GAP 7.05 AZP 92.36 TAL 190.99 TAP 50.14 RCA 102.94 APO 148.03 V2 34.799
 RC 140.164 GL 24.60 GP 3.32 ZAL 104.67 ZAP 155.02 ETS 5.42 ZAE 131.36 ETE 177.66 ZAC 50.64 ETC 162.55 CLP-155.23

PLANETOCENTRIC CONIC
 C3 12.016 VML 3.466 DLA 10.19 RAL 319.55 RAD 6567.5 VEL 11.550 PTH 2.02 VMP 4.938 DPA -15.77 RAP 317.95 ECC 1.1978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 36 2421.29 -23.99 55.02 175.74 105.51 3 11 57 1821.3 -21.63 47.14
 90.00 17 5 5 4422.08 7.14 184.43 172.48 62.53 18 18 47 3822.1 3.41 177.75
 100.00 3 57 59 2142.67 -24.97 34.21 175.42 106.99 4 33 42 1542.7 -22.40 26.35
 100.00 18 21 22 4175.94 8.04 165.85 172.00 61.11 19 30 58 3575.9 4.13 159.25
 110.00 5 17 42 1893.23 -27.36 14.27 174.43 111.07 5 49 15 1293.2 -24.45 6.49
 110.00 19 18 9 3998.14 10.40 150.93 170.57 57.25 20 24 47 3398.1 6.01 144.59

DIFFERENTIAL CORRECTIONS
 TOE 1.2304 TRA -.4928 TC3-5.9615 BAU .9600
 RDE .0722 RRA -.0402 RC3 .4165 FAU .06766
 FDE 1.2049 FRA .3864 FC3-4.8748 BSP 14736
 BDE 1.2325 BRA .4944 BC3 5.9761 FSP -1132

MID-COURSE EXECUTION ACCURACY
 SGT 4680.1 SGR 319.7 S63 343.5
 RRT -.5980 RRF -.6151 RTF .9394
 SGB 4691.0 R23 .0644 R13 -.9396
 SG1 4684.0 S62 256.0 THA 177.65

ORBIT DETERMINATION ACCURACY
 ST 2052.6 SR 121.4 SS 854.7
 CRT .9902 CRS -.9577 CST -.9762
 LSA 2220.0 MSA 172.0 SSA 16.1
 EL1 2056.1 EL2 16.9 ALF 3.35

LAUNCH DATE DEC 4 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 461.164

RL 147.44 LAL .00 LOL 71.64 VL 27.210 GAL -2.08 AZL 86.93 MCA 222.30 SMA 125.21 ECC .18107 INC 3.0747 V1 30.219
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.111 GAP 7.29 AZP 92.27 TAL 189.50 TAP 51.81 RCA 102.54 APO 147.88 V2 34.795
 RC 142.456 GL 24.83 GP 3.03 ZAL 102.22 ZAP 156.35 ETS 5.30 ZAE 130.99 ETE 177.85 ZAC 52.51 ETC 162.72 CLP-156.53

PLANETOCENTRIC CONIC

C3 12.062 VML 3.473 OLA 11.23 RAL 321.81 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.066 DPA -15.55 RAP 319.89 ECC 1.1985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 5 2456.58 -24.61 57.41 178.40 104.47 3 13 1 1856.6 -22.38 49.45
 90.00 17 22 38 4388.39 6.08 182.53 174.84 62.29 18 35 47 3788.4 2.33 175.86
 100.00 3 59 4 2176.01 -25.61 36.48 178.10 105.96 4 35 20 1576.0 -23.18 28.53
 100.00 18 38 20 4144.19 7.00 164.08 174.34 60.86 19 47 24 3544.2 3.06 157.50
 110.00 5 20 7 1922.42 -28.26 16.25 177.14 110.08 5 52 9 1322.4 -25.26 8.36
 110.00 19 33 47 3970.55 9.38 149.45 172.89 56.98 20 39 57 3370.6 4.97 143.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3041 TRA -.4077 TC3-6.0615 BAU .9797 SGT 4777.6 SGR 325.9 SG3 329.6 ST 2164.9 SR 137.9 SS 864.3
 RDE .0821 RRA -.0481 RC3 .4105 FAU .06390 RRT -.5482 RRF -.5661 RTF .9389 CRT .9894 CRS -.9517 CST -.9781
 FDE 1.1875 FRA .4469 FC3-4.5866 BSP 15079 SGB 4788.7 R23 .0594 R13 -.9391 LSA 2329.0 MSA 168.3 SSA 16.9
 BDE 1.3067 BRA .4105 BC3 6.0754 FSP -1091 SG1 4781.0 SG2 272.4 THA 177.85 EL1 2169.2 EL2 20.0 ALF 3.61

LAUNCH DATE DEC 4 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 467.025

RL 147.44 LAL .00 LOL 71.64 VL 27.167 GAL -1.77 AZL 86.89 MCA 225.47 SMA 124.94 ECC .18265 INC 3.1070 V1 30.219
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.076 GAP 7.54 AZP 92.18 TAL 187.99 TAP 53.45 RCA 102.12 APO 147.75 V2 34.791
 RC 144.737 GL 24.98 GP 2.78 ZAL 99.70 ZAP 157.62 ETS 5.24 ZAE 130.67 ETE 178.01 ZAC 54.41 ETC 162.93 CLP-157.78

PLANETOCENTRIC CONIC

C3 12.143 VML 3.485 OLA 12.25 RAL 324.16 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 5.199 DPA -15.24 RAP 321.86 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 55 2492.34 -25.20 59.87 181.22 103.37 3 14 27 1892.3 -23.11 51.82
 90.00 17 40 36 4355.47 5.04 180.67 177.35 62.10 18 53 12 3755.5 1.26 174.02
 100.00 4 0 31 2209.78 -26.22 38.80 180.93 104.89 4 37 21 1609.8 -23.92 30.76
 100.00 18 55 40 4113.27 5.97 162.36 176.84 60.66 20 4 14 3513.3 2.01 155.80
 110.00 5 22 56 1951.93 -28.93 18.29 180.00 109.05 5 55 27 1351.9 -26.06 10.28
 110.00 19 49 46 3943.87 8.39 148.02 175.36 56.74 20 55 30 3343.9 3.95 141.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3793 TRA -.3132 TC3-6.1376 BAU .9986 SGT 4870.2 SGR 333.0 SG3 316.3 ST 2277.0 SR 153.9 SS 872.8
 RDE .0919 RRA -.0561 RC3 .4037 FAU .06029 RRT -.5003 RRF -.5189 RTF .9384 CRT .9872 CRS -.9451 CST -.9798
 FDE 1.1704 FRA .5056 FC3-4.2985 BSP 15408 SGB 4881.5 R23 .0552 R13 -.9385 LSA 2437.8 MSA 164.8 SSA 17.6
 BDE 1.3824 BRA .3182 BC3 6.1509 FSP -1050 SG1 4873.0 SG2 288.2 THA 178.03 EL1 2282.0 EL2 24.5 ALF 3.82

LAUNCH DATE DEC 4 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 472.870

RL 147.44 LAL .00 LOL 71.64 VL 27.124 GAL -1.45 AZL 86.86 MCA 228.63 SMA 124.66 ECC .18437 INC 3.1358 V1 30.219
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.042 GAP 7.79 AZP 92.07 TAL 186.46 TAP 55.08 RCA 101.68 APO 147.65 V2 34.788
 RC 147.008 GL 25.06 GP 2.57 ZAL 97.11 ZAP 158.83 ETS 5.23 ZAE 130.38 ETE 178.14 ZAC 56.36 ETC 163.16 CLP-158.98

PLANETOCENTRIC CONIC

C3 12.266 VML 3.502 OLA 13.26 RAL 326.61 RAD 6567.5 VEL 11.561 PTH 2.02 VHP 5.334 DPA -14.87 RAP 323.87 ECC 1.2019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 3 2528.72 -25.74 62.39 184.18 102.22 3 16 12 1928.7 -23.80 54.26
 90.00 17 58 57 4323.35 4.01 178.87 180.01 61.95 19 11 1 3723.3 .23 172.23
 100.00 4 2 18 2244.09 -26.80 41.19 183.91 103.76 4 39 42 1644.1 -24.64 35.05
 100.00 19 13 23 4083.21 4.96 160.69 179.49 60.48 20 21 26 3483.2 .99 154.15
 110.00 5 26 6 1981.90 -29.58 20.38 183.01 107.97 5 59 8 1381.9 -26.84 12.26
 110.00 20 6 5 3918.17 7.43 146.65 177.97 56.54 21 11 23 3318.2 2.97 140.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4578 TRA -.2086 TC3-6.1852 BAU 1.0163 SGT 4957.9 SGR 340.5 SG3 303.7 ST 2390.7 SR 169.4 SS 881.2
 RDE .1015 RRA -.0641 RC3 .3955 FAU .05684 RRT -.4540 RRF -.4734 RTF .9379 CRT .9837 CRS -.9381 CST -.9814
 FDE 1.1547 FRA .5627 FC3-4.0116 BSP 15699 SGB 4969.5 R23 .0516 R13 -.9380 LSA 2548.4 MSA 161.5 SSA 18.3
 BDE 1.4613 BRA .2182 BC3 6.1978 FSP -1009 SG1 4960.3 SG2 303.2 THA 178.21 EL1 2396.5 EL2 30.4 ALF 3.99

LAUNCH DATE DEC 4 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 478.699

RL 147.44 LAL .00 LOL 71.64 VL 27.081 GAL -1.12 AZL 86.84 MCA 231.79 SMA 124.39 ECC .18624 INC 3.1621 V1 30.219
 RP 108.94 LAP -2.48 LOP 303.38 VP 37.009 GAP 8.04 AZP 91.96 TAL 184.91 TAP 56.70 RCA 101.22 APO 147.56 V2 34.786
 RC 149.266 GL 25.06 GP 2.39 ZAL 94.47 ZAP 160.00 ETS 5.26 ZAE 130.14 ETE 178.24 ZAC 58.34 ETC 163.41 CLP-160.14

PLANETOCENTRIC CONIC

C3 12.436 VML 3.526 OLA 14.24 RAL 329.13 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 5.473 DPA -14.44 RAP 325.90 ECC 1.2047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 28 2565.80 -26.25 64.99 187.29 101.01 3 18 14 1965.8 -24.47 56.78
 90.00 18 17 41 4292.12 3.01 177.12 182.83 61.83 19 29 13 3692.1 -.78 170.49
 100.00 4 4 24 2279.02 -27.34 43.64 187.03 102.57 4 42 23 1679.0 -25.34 35.41
 100.00 19 31 27 4054.14 3.98 159.09 182.29 60.35 20 39 1 3454.1 .01 152.56
 110.00 5 29 37 2012.36 -30.20 22.53 186.18 106.83 6 3 9 1412.4 -27.60 14.31
 110.00 20 22 43 3893.56 6.50 145.35 180.73 56.37 21 27 36 3293.6 2.04 139.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5388 TRA -.0943 TC3-6.2002 BAU 1.0328 SGT 5039.7 SGR 348.1 SG3 291.6 ST 2504.1 SR 184.5 SS 888.5
 RDE .1112 RRA -.0720 RC3 .3854 FAU .05348 RRT -.4092 RRF -.4291 RTF .9375 CRT .9794 CRS -.9309 CST -.9829
 FDE 1.1395 FRA .6173 FC3-3.7228 BSP 15966 SGB 5051.7 R23 .0481 R13 -.9376 LSA 2658.6 MSA 158.5 SSA 18.8
 BDE 1.5428 BRA .1187 BC3 6.2121 FSP -971 SG1 5041.7 SG2 317.5 THA 178.37 EL1 2510.6 EL2 37.1 ALF 4.13

LAUNCH DATE DEC 4 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 484.512

RL 147.44 LAL .00 LOL 71.64 VL 27.039 GAL -.77 AZL 86.81 HCA 234.95 SMA 124.12 ECC .18829 INC 3.1861 V1 30.219
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.976 GAP 8.29 AZP 91.83 TAL 183.34 TAP 58.29 RCA 100.75 APO 147.49 V2 34.785
 RC 151.511-GL 24.98 GP 2.23 ZAL 91.78 ZAP 161.12 ETS 5.34 ZAE 129.92 ETE 178.34 ZAC 60.35 ETC 163.67 CLP-161.25

PLANETOCENTRIC CONIC

C3 12.660 VHL 3.558 DLA 15.20 RAL 331.74 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 5.617 DPA -13.95 RAP 327.95 ECC 1.2084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 10 2603.58 -26.72 67.66 190.54 99.75 3 20 34 2003.6 -25.10 59.36
 90.00 18 36 45 4261.96 2.04 175.44 185.80 61.75 19 47 47 3662.0 -1.75 168.81
 100.00 4 6 47 2314.57 -27.84 46.16 190.30 101.34 4 45 22 1714.6 -26.00 37.85
 100.00 19 49 49 4026.20 3.04 157.55 185.24 60.25 20 56 55 3426.2 -.94 151.02
 110.00 5 33 29 2043.32 -30.79 24.75 189.49 105.64 6 7 32 1443.3 -28.34 16.41
 110.00 20 39 37 3870.21 5.62 144.12 183.64 56.23 21 44 7 3270.2 1.14 137.89

DIFFERENTIAL CORRECTIONS

TDE 1.6193 TRA .0280 TC3-6.1915 BAU 1.0498
 RDE .1213 RRA -.0797 RC3 .3737 FAU .05039
 FDE 1.1216 FRA .6686 FC3-3.4458 BSP 16265
 BDE 1.6238 BRA .0845 BC3 6.2027 FSP -938

MID-COURSE EXECUTION ACCURACY

SGT 5119.9 SGR 355.8 SG3 280.2
 RRT -.3670 RRF -.3880 RTF .9373
 SGB 5132.3 R23 .0457 R13 -.9374
 SGI 5121.6 SG2 330.9 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 2610.9 SR 199.6 SS 892.1
 CRT .9746 CRS -.9238 CST -.9842
 LSA 2761.8 MSA 155.9 SSA 19.2
 EL1 2618.1 EL2 44.6 ALF 4.26

LAUNCH DATE DEC 4 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 490.307

RL 147.44 LAL .00 LOL 71.64 VL 26.996 GAL -.41 AZL 86.79 HCA 238.11 SMA 123.86 ECC .19051 INC 3.2084 V1 30.219
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.944 GAP 8.55 AZP 91.70 TAL 181.76 TAP 59.87 RCA 100.26 APO 147.45 V2 34.784
 RC 153.743 GL 24.83 GP 2.10 ZAL 89.05 ZAP 162.21 ETS 5.45 ZAE 129.74 ETE 178.42 ZAC 62.40 ETC 163.93 CLP-162.33

PLANETOCENTRIC CONIC

C3 12.945 VHL 3.598 DLA 16.13 RAL 334.41 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 5.765 DPA -13.41 RAP 330.03 ECC 1.2130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 8 2642.05 -27.13 70.40 193.93 98.44 3 23 10 2042.0 -25.68 62.03
 90.00 18 36 6 4233.03 1.10 173.82 188.91 61.70 20 6 39 3633.0 -2.69 167.19
 100.00 4 9 29 2350.71 -28.30 48.75 193.72 100.05 4 48 40 1750.7 -26.62 40.35
 100.00 20 8 27 3999.60 2.14 156.09 188.34 60.18 21 15 6 3399.6 -1.84 149.56
 110.00 5 37 41 2074.76 -31.35 27.04 192.96 104.39 6 12 15 1474.8 -29.05 18.58
 110.00 20 56 44 3848.31 4.79 142.96 186.69 56.11 22 0 53 3248.3 .31 136.75

DIFFERENTIAL CORRECTIONS

TDE 1.7030 TRA .1595 TC3-6.1445 BAU 1.0652
 RDE .1317 RRA -.0872 RC3 .3598 FAU .04732
 FDE 1.1060 FRA .7161 FC3-3.1651 BSP 16525
 BDE 1.7081 BRA .1817 BC3 6.1550 FSP -902

MID-COURSE EXECUTION ACCURACY

SGT 5193.6 SGR 363.2 SG3 269.1
 RRT -.3255 RRF -.3463 RTF .9373
 SGB 5206.3 R23 .0422 R13 -.9374
 SGI 5195.0 SG2 343.3 THA 178.69

ORBIT DETERMINATION ACCURACY

ST 2716.4 SR 214.4 SS 895.6
 CRT .9694 CRS -.9171 CST -.9855
 LSA 2864.1 MSA 153.6 SSA 19.6
 EL1 2724.4 EL2 52.5 ALF 4.38

LAUNCH DATE DEC 4 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 496.084

RL 147.44 LAL .00 LOL 71.64 VL 26.954 GAL -.04 AZL 86.77 HCA 241.27 SMA 123.59 ECC .19293 INC 3.2291 V1 30.219
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.913 GAP 8.82 AZP 91.55 TAL 180.17 TAP 61.44 RCA 99.75 APO 147.44 V2 34.784
 RC 155.962 GL 24.61 GP 1.97 ZAL 86.29 ZAP 163.26 ETS 5.60 ZAE 129.58 ETE 178.49 ZAC 64.47 ETC 164.18 CLP-163.38

PLANETOCENTRIC CONIC

C3 13.297 VHL 3.647 DLA 17.02 RAL 337.14 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 5.917 DPA -12.83 RAP 332.12 ECC 1.2188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 23 2681.10 -27.49 73.20 197.46 97.08 3 26 4 2081.1 -26.22 64.76
 90.00 19 15 39 4205.59 .22 172.29 192.17 61.68 20 25 45 3605.6 -3.57 165.66
 100.00 4 12 29 2387.34 -28.71 51.40 197.27 98.71 4 52 16 1787.3 -27.21 42.92
 100.00 20 27 15 3974.58 1.29 154.71 191.57 60.13 21 33 29 3374.6 -2.69 148.19
 110.00 5 42 12 2106.60 -31.86 29.38 196.57 103.09 6 17 19 1506.6 -29.73 20.81
 110.00 21 14 0 3828.09 4.02 141.90 189.87 56.03 22 17 48 3228.1 -.47 135.69

DIFFERENTIAL CORRECTIONS

TDE 1.7608 TRA .2528 TC3-6.0838 BAU 1.0832
 RDE .1436 RRA -.0923 RC3 .3442 FAU .04451
 FDE 1.0543 FRA .6787 FC3-2.8976 BSP 17415
 BDE 1.7666 BRA .2692 BC3 6.0935 FSP -949

MID-COURSE EXECUTION ACCURACY

SGT 5245.3 SGR 370.0 SG3 251.2
 RRT -.2847 RRF -.3029 RTF .9457
 SGB 5258.3 R23 .0338 R13 -.9457
 SGI 5246.3 SG2 354.6 THA 178.84

ORBIT DETERMINATION ACCURACY

ST 2772.6 SR 230.3 SS 864.7
 CRT .9672 CRS -.9194 CST -.9881
 LSA 2910.0 MSA 139.7 SSA 19.8
 EL1 2781.5 EL2 58.3 ALF 4.59

LAUNCH DATE DEC 4 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 501.843

RL 147.44 LAL .00 LOL 71.64 VL 26.911 GAL .35 AZL 86.75 HCA 244.44 SMA 123.33 ECC .19555 INC 3.2486 V1 30.219
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.883 GAP 9.09 AZP 91.40 TAL 178.56 TAP 62.99 RCA 99.21 APO 147.45 V2 34.785
 RC 158.168 GL 24.31 GP 1.87 ZAL 83.51 ZAP 164.28 ETS 5.79 ZAE 129.45 ETE 178.55 ZAC 66.58 ETC 164.43 CLP-164.39

PLANETOCENTRIC CONIC

C3 13.725 VHL 3.705 DLA 17.88 RAL 339.92 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 6.076 DPA -12.20 RAP 334.22 ECC 1.2259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 54 2720.67 -27.79 76.06 201.12 95.68 3 29 15 2120.7 -26.71 67.56
 90.00 19 35 20 4179.82 -.61 170.86 195.56 61.69 20 45 0 3579.8 -4.39 164.21
 100.00 4 15 47 2424.41 -29.06 54.10 200.95 97.33 4 56 11 1824.4 -27.74 45.54
 100.00 20 46 9 3951.32 .51 153.44 194.94 60.11 21 52 1 3351.3 -3.48 146.91
 110.00 5 47 4 2138.77 -32.33 31.77 200.31 101.75 6 22 43 1538.8 -30.38 23.10
 110.00 21 31 21 3809.72 3.32 140.94 193.18 55.96 22 34 51 3209.7 -1.17 134.74

DIFFERENTIAL CORRECTIONS

TDE 1.8754 TRA .4559 TC3-5.9537 BAU 1.0941
 RDE .1542 RRA -.1011 RC3 .3261 FAU .04166
 FDE 1.0757 FRA .8136 FC3-2.6279 BSP 16941
 BDE 1.8817 BRA .4670 BC3 5.9626 FSP -828

MID-COURSE EXECUTION ACCURACY

SGT 5331.1 SGR 377.2 SG3 249.0
 RRT -.2468 RRF -.2677 RTF .9368
 SGB 5344.5 R23 .0366 R13 -.9368
 SGI 5332.0 SG2 365.4 THA 179.00

ORBIT DETERMINATION ACCURACY

ST 2911.8 SR 243.6 SS 898.3
 CRT .9582 CRS -.9037 CST -.9876
 LSA 3053.1 MSA 152.0 SSA 19.9
 EL1 2921.2 EL2 69.5 ALF 4.59

LAUNCH DATE DEC 4 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 507.582

RL 147.44 LAL .00 LOL 71.64 VL 26.869 GAL .76 AZL 86.73 HCA 247.60 SMA 123.07 ECC .19840 INC 3.2672 V1 30.219
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.854 GAP 9.37 ATP 91.25 TAL 176.94 TAP 64.54 RCA 98.65 APO 147.49 V2 34.787
 RC 160.359 GL 23.94 GP 1.77 ZAL 80.71 ZAP 165.27 ETS 6.02 ZAE 129.34 ETE 178.61 ZAC 68.70 ETC 164.68 CLP-165.38

PLANETOCENTRIC CONIC

C3 14.239 VHL 3.773 DLA 18.69 RAL 342.75 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 6.240 CPA -11.53 RAP 336.34 ECC 1.2343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 44 2760.58 -28.02 78.95 204.89 94.24 3 32 44 2160.6 -27.14 70.40
 90.00 19 55 3 4156.06 -1.38 169.53 199.08 61.71 21 4 19 3556.1 -5.15 162.88
 100.00 4 19 24 2461.74 -29.35 56.83 204.75 95.92 5 0 26 1861.7 -28.22 48.21
 100.00 21 5 3 3930.14 -.21 152.27 198.43 60.11 22 10 33 3330.1 -4.19 145.74
 110.00 5 52 17 2171.14 -32.76 34.20 204.18 100.37 6 28 28 1571.1 -30.98 25.43
 110.00 21 48 40 3793.50 2.70 140.09 196.61 55.91 22 51 53 3193.5 -1.79 133.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9638 TRA .6185 TC3-5.8092 BAU 1.1074 SGT 5394.0 SGR 383.4 SG3 239.6 ST 2999.5 SR 258.1 SS 896.3
 ROE .1665 RRA -.1073 RC3 .3067 FAU .03906 RRT -.2086 RRF -.2296 RTF .9372 CRT .9527 CRS -.8979 CST -.9885
 FDE 1.0601 FRA .8569 FC3-2.3746 BSP 17189 SGB 5407.6 R23 .0339 R13 -.9372 LSA 3137.4 MSA 151.7 SSA 19.8
 BDE 1.9708 BRA .6277 BC3 5.8173 FSP -803 SG1 5394.6 SG2 375.0 TMA 179.15 EL1 3009.6 EL2 78.2 ALF 4.69

LAUNCH DATE DEC 4 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 513.298

RL 147.44 LAL .00 LOL 71.64 VL 26.827 GAL 1.18 AZL 86.72 HCA 250.76 SMA 122.81 ECC .20149 INC 3.2849 V1 30.219
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.826 GAP 9.66 ATP 91.08 TAL 175.32 TAP 66.08 RCA 98.07 APO 147.56 V2 34.789
 RC 162.536 GL 23.51 GP 1.69 ZAL 77.92 ZAP 166.24 ETS 6.29 ZAE 129.25 ETE 178.67 ZAC 70.85 ETC 164.91 CLP-166.34

PLANETOCENTRIC CONIC

C3 14.848 VHL 3.853 DLA 19.45 RAL 345.60 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 6.412 CPA -10.83 RAP 338.46 ECC 1.2444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 51 2800.68 -28.19 81.87 208.76 92.79 3 36 32 2200.7 -27.51 73.27
 90.00 20 14 40 4134.56 -2.07 168.33 202.70 61.75 21 23 34 3534.6 -5.83 161.67
 100.00 4 23 21 2499.17 -29.58 59.59 208.66 94.49 5 5 1 1899.2 -28.65 50.91
 100.00 21 23 51 3911.30 -.85 151.24 202.03 60.12 22 29 2 3311.3 -4.82 144.70
 110.00 5 57 50 2203.61 -33.13 36.66 208.17 98.96 6 34 33 1603.6 -31.53 27.79
 110.00 22 5 52 3779.63 2.17 139.37 200.14 55.88 23 8 52 3179.6 -2.32 133.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0510 TRA .7901 TC3-5.6388 BAU 1.1207 SGT 5453.2 SGR 389.2 SG3 230.6 ST 3075.3 SR 272.4 SS 891.5
 ROE .1796 RRA -.1128 RC3 .2859 FAU .03662 RRT -.1718 RRF -.1928 RTF .9378 CRT .9473 CRS -.8926 CST -.9884
 FDE 1.0434 FRA .8983 FC3-2.1354 BSP 17433 SGB 5467.1 R23 .0313 R13 -.9378 LSA 3209.8 MSA 152.2 SSA 19.7
 BDE 2.0589 BRA .7981 BC3 5.6460 FSP -777 SG1 5453.6 SG2 383.4 TMA 179.29 EL1 3086.1 EL2 86.9 ALF 4.80

LAUNCH DATE DEC 4 1965

FLIGHT TIME 178.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 518.991

RL 147.44 LAL .00 LOL 71.64 VL 26.786 GAL 1.62 AZL 86.70 HCA 253.92 SMA 122.56 ECC .20484 INC 3.3019 V1 30.219
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.798 GAP 9.96 ATP 90.92 TAL 173.69 TAP 67.61 RCA 97.46 APO 147.67 V2 34.792
 RC 164.699 GL 23.01 GP 1.61 ZAL 75.14 ZAP 167.18 ETS 6.61 ZAE 129.17 ETE 178.72 ZAC 73.02 ETC 165.13 CLP-167.28

PLANETOCENTRIC CONIC

C3 15.564 VHL 3.945 DLA 20.16 RAL 348.47 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 6.591 CPA -10.09 RAP 340.59 ECC 1.2561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 19 2840.77 -28.29 84.80 212.72 91.32 3 40 40 2240.8 -27.81 76.17
 90.00 20 34 4 4115.60 -2.68 167.27 206.43 61.80 21 42 40 3515.6 -6.43 160.60
 100.00 4 27 40 2536.56 -29.75 62.36 212.66 93.04 5 9 56 1936.6 -29.01 53.63
 100.00 21 42 25 3895.05 -1.40 150.35 205.72 60.14 22 47 20 3295.0 -5.37 143.80
 110.00 6 3 43 2236.04 -33.44 39.14 212.26 97.53 6 40 59 1636.0 -32.04 30.19
 110.00 22 22 51 3768.33 1.74 138.78 203.76 55.86 23 25 39 3168.3 -2.75 132.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1383 TRA .9733 TC3-5.4380 BAU 1.1328 SGT 5506.5 SGR 394.4 SG3 221.8 ST 3140.9 SR 286.6 SS 884.3
 ROE .1937 RRA -.1176 RC3 .2640 FAU .03425 RRT -.1354 RRF -.1563 RTF .9384 CRT .9421 CRS -.8875 CST -.9901
 FDE 1.0258 FRA .9387 FC3-1.9052 BSP 17660 SGB 5520.6 R23 .0289 R13 -.9384 LSA 3271.9 MSA 153.4 SSA 19.4
 BDE 2.1471 BRA .9803 BC3 5.4444 FSP -752 SG1 5506.8 SG2 390.8 TMA 179.44 EL1 3152.5 EL2 95.7 ALF 4.92

LAUNCH DATE DEC 4 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 524.659

RL 147.44 LAL .00 LOL 71.64 VL 26.744 GAL 2.08 AZL 86.68 HCA 257.08 SMA 122.31 ECC .20847 INC 3.3184 V1 30.219
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.772 GAP 10.28 ATP 90.74 TAL 172.05 TAP 69.13 RCA 96.81 APO 147.81 V2 34.796
 RC 166.847 GL 22.46 GP 1.54 ZAL 72.38 ZAP 168.10 ETS 6.98 ZAE 129.11 ETE 178.77 ZAC 75.21 ETC 165.34 CLP-168.20

PLANETOCENTRIC CONIC

C3 16.400 VHL 4.050 DLA 20.81 RAL 351.34 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 6.778 CPA -9.32 RAP 342.73 ECC 1.2699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 8 2880.67 -28.32 87.72 216.76 89.86 3 45 9 2280.7 -28.04 79.07
 90.00 20 53 9 4099.47 -3.20 166.37 210.25 61.85 22 1 29 3499.5 -6.94 159.69
 100.00 4 32 20 2573.72 -29.85 65.12 216.74 91.59 5 15 13 1973.7 -29.31 56.36
 100.00 22 0 39 3881.65 -1.86 149.61 209.50 60.16 23 5 21 3281.6 -5.81 143.06
 110.00 6 9 56 2268.33 -33.70 41.62 216.44 96.08 6 47 45 1668.3 -32.50 32.59
 110.00 22 39 32 3759.80 1.41 138.33 207.46 55.84 23 42 11 3159.8 -3.08 132.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2304 TRA 1.1722 TC3-5.2025 BAU 1.1419 SGT 5555.3 SGR 398.9 SG3 213.6 ST 3202.8 SR 300.3 SS 878.5
 ROE .2086 RRA -.1216 RC3 .2412 FAU .03187 RRT -.0985 RRF -.1186 RTF .9389 CRT .9370 CRS -.8829 CST -.9909
 FDE 1.0119 FRA .9812 FC3-1.6824 BSP 17779 SGB 5569.6 R23 .0258 R13 -.9389 LSA 3331.0 MSA 155.4 SSA 19.1
 BDE 2.2402 BRA 1.1785 BC3 5.2081 FSP -721 SG1 5555.5 SG2 397.0 TMA 179.59 EL1 3215.1 EL2 104.5 ALF 5.03

LAUNCH DATE DEC 4 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 4 1966

MELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.703 GAL 2.56 AZL 86.67 HCA 260.25 SMA 122.06 ECC .21241 INC 3.3345 V1 30.219
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.746 GAP 10.61 AZP 90.57 TAL 170.41 TAP 70.65 RCA 96.14 APO 147.99 V2 34.800
 RC 168.980 GL 21.86 GP 1.48 ZAL 69.66 ZAP 169.01 ETS 7.41 ZAE 129.07 ETE 178.82 ZAC 77.41 ETC 165.54 CLP-169.11

PLANETOCENTRIC CONIC
 C3 17.370 VML 4.168 DLA 21.41 RAL 354.20 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 6.975 DPA -8.53 RAP 344.87 ECC 1.2859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 20 2920.15 -28.28 90.61 220.87 88.41 3 50 0 2320.2 -28.20 81.94
 90.00 21 11 47 4086.44 -3.62 165.64 214.13 61.90 22 19 53 3486.4 -7.35 158.95
 100.00 4 37 22 2610.47 -29.89 67.85 220.89 90.15 5 20 53 2010.5 -29.55 59.06
 100.00 22 18 25 3871.35 -2.21 149.05 213.35 60.18 23 22 57 3271.4 -6.16 142.49
 110.00 6 16 30 2300.35 -33.91 44.10 220.69 94.62 6 54 50 1700.3 -32.90 35.01
 110.00 22 55 47 3754.24 1.20 138.04 211.22 55.84 23 58 21 3154.2 -3.29 131.84

DIFFERENTIAL CORRECTIONS
 TDE 2.3182 TRA 1.3778 TC3-4.9564 BAU 1.1521 SGT 5600.3 SGR 402.9 SG3 205.6 ST 3247.1 SR 313.7 SS 868.5
 RDE .2246 RRA -.1246 RC3 .2183 FAU .02972 RRT -.0628 RRF -.0823 RTF .9398 CRT .9323 CRS -.0788 CST -.9916
 FDE .9952 FRA 1.0192 FC3-1.4810 BSP 17987 SGB 5614.8 R23 .0231 R13 -.9398 LSA 3372.2 MSA 157.6 SSA 18.6
 BDE 2.3290 BRA 1.3835 BC3 4.9612 FSP -698 SG1 5600.4 SG2 402.1 THA 179.74 EL1 3260.3 EL2 113.1 ALF 5.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 6 1966

MELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.662 GAL 3.07 AZL 86.65 HCA 263.41 SMA 121.82 ECC .21669 INC 3.3503 V1 30.219
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.721 GAP 10.95 AZP 90.38 TAL 168.77 TAP 72.18 RCA 95.42 APO 148.22 V2 34.805
 RC 171.096 GL 21.21 GP 1.42 ZAL 66.98 ZAP 169.90 ETS 7.92 ZAE 129.03 ETE 178.87 ZAC 79.63 ETC 165.72 CLP-170.00

PLANETOCENTRIC CONIC
 C3 18.493 VML 4.300 DLA 21.93 RAL 357.03 RAD 6567.7 VEL 11.827 PTH 2.09 VMP 7.183 DPA -7.71 RAP 347.01 ECC 1.3044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 56 2959.01 -28.17 93.45 225.02 86.99 3 55 15 2359.0 -28.29 84.78
 90.00 21 29 49 4076.78 -3.93 165.10 218.07 61.93 22 37 46 3476.8 -7.65 158.40
 100.00 4 42 48 2646.66 -29.87 70.54 225.10 88.74 5 26 55 2046.7 -29.72 61.74
 100.00 22 35 38 3864.37 -2.44 148.66 217.25 60.20 23 40 2 3264.4 -6.39 142.10
 110.00 6 23 23 2332.01 -34.05 46.56 225.01 93.17 7 2 15 1732.0 -33.24 37.41
 110.00 23 11 33 3751.78 1.11 137.91 215.03 55.83 24 14 4 3151.8 -3.38 131.71

DIFFERENTIAL CORRECTIONS
 TDE 2.4065 TRA 1.5978 TC3-4.6894 BAU 1.1604 SGT 5640.4 SGR 406.1 SG3 197.9 ST 3281.6 SR 326.6 SS 858.1
 RDE .2417 RRA -.1265 RC3 .1953 FAU .02761 RRT -.0272 RRF -.0460 RTF .9407 CRT .9276 CRS -.0750 CST -.9922
 FDE .9794 FRA 1.0583 FC3-1.2925 BSP 18167 SGB 5655.0 R23 .0203 R13 -.9407 LSA 3403.8 MSA 160.5 SSA 18.2
 BDE 2.4186 BRA 1.6028 BC3 4.6935 FSP -674 SG1 5640.4 SG2 406.0 THA 179.89 EL1 3295.6 EL2 121.5 ALF 5.28

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 8 1966

MELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.622 GAL 3.60 AZL 86.63 HCA 266.58 SMA 121.58 ECC .22134 INC 3.3659 V1 30.219
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.697 GAP 11.31 AZP 90.20 TAL 167.12 TAP 73.70 RCA 94.67 APO 148.49 V2 34.811
 RC 173.196 GL 20.53 GP 1.37 ZAL 64.35 ZAP 170.78 ETS 8.52 ZAE 129.00 ETE 178.92 ZAC 81.86 ETC 165.88 CLP-170.88

PLANETOCENTRIC CONIC
 C3 19.789 VML 4.448 DLA 22.40 RAL 359.84 RAD 6567.8 VEL 11.881 PTH 2.11 VMP 7.402 DPA -6.87 RAP 349.15 ECC 1.3257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 58 2997.05 -28.00 96.22 229.21 85.61 4 0 55 2397.0 -28.32 87.56
 90.00 21 47 9 4070.70 -4.12 164.76 222.05 61.96 22 54 59 3470.7 -7.84 158.05
 100.00 4 48 39 2682.11 -29.79 73.17 229.34 87.36 5 33 21 2082.1 -29.83 64.37
 100.00 22 52 9 3860.88 -2.56 148.47 221.18 60.21 23 56 30 3260.9 -6.51 141.91
 110.00 6 30 34 2363.22 -34.14 48.99 229.38 91.74 7 9 58 1763.2 -33.53 39.80
 110.00 23 26 43 3752.53 1.14 137.95 218.88 55.83 24 29 15 3152.5 -3.35 131.75

DIFFERENTIAL CORRECTIONS
 TDE 2.4947 TRA 1.8302 TC3-4.4102 BAU 1.1677 SGT 5676.4 SGR 408.7 SG3 190.6 ST 3305.1 SR 338.8 SS 846.5
 RDE .2598 RRA -.1273 RC3 .1729 FAU .02561 RRT .0083 RRF -.0098 RTF .9418 CRT .9232 CRS -.0715 CST -.9927
 FDE .9639 FRA 1.0964 FC3-1.1206 BSP 18336 SGB 5691.1 R23 -.0177 R13 .9418 LSA 3424.6 MSA 163.7 SSA 17.6
 BDE 2.5082 BRA 1.8346 BC3 4.4136 FSP -652 SG1 5676.4 SG2 408.7 THA .03 EL1 3319.8 EL2 129.6 ALF 5.41

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 10 1966

MELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.582 GAL 4.16 AZL 86.62 HCA 269.74 SMA 121.34 ECC .22639 INC 3.3814 V1 30.219
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.674 GAP 11.69 AZP 90.01 TAL 165.49 TAP 75.23 RCA 93.87 APO 148.81 V2 34.817
 RC 175.278 GL 19.82 GP 1.32 ZAL 61.79 ZAP 171.64 ETS 9.23 ZAE 128.98 ETE 178.97 ZAC 84.10 ETC 166.03 CLP-171.75

PLANETOCENTRIC CONIC
 C3 21.280 VML 4.613 DLA 22.80 RAL 362.59 RAD 6567.9 VEL 11.944 PTH 2.13 VMP 7.634 DPA -6.00 RAP 351.30 ECC 1.3502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 27 3034.08 -27.78 98.90 233.43 84.28 4 7 1 2434.1 -28.28 90.27
 90.00 22 3 39 4068.42 -4.20 164.63 226.05 61.97 23 11 28 3468.4 -7.92 157.92
 100.00 4 54 53 2716.71 -29.65 75.73 233.61 86.01 5 40 10 2116.7 -29.89 66.94
 100.00 23 7 55 3861.02 -2.56 148.48 225.14 60.21 24 12 16 3261.0 -6.50 141.92
 110.00 6 38 3 2393.92 -34.18 51.39 233.78 90.32 7 17 57 1793.9 -33.76 42.17
 110.00 23 41 14 3756.57 1.29 138.16 222.74 55.84 24 43 50 3156.6 -3.20 131.96

DIFFERENTIAL CORRECTIONS
 TDE 2.5864 TRA 2.0804 TC3-4.1138 BAU 1.1712 SGT 5708.1 SGR 410.6 SG3 183.7 ST 3322.6 SR 350.2 SS 836.0
 RDE .2789 RRA -.1268 RC3 .1512 FAU .02358 RRT .0446 RRF .0276 RTF .9428 CRT .9189 CRS -.0684 CST -.9933
 FDE .9509 FRA 1.1364 FC3 -.9592 BSP 18394 SGB 5722.9 R23 -.0146 R13 .9428 LSA 3439.9 MSA 167.2 SSA 17.1
 BDE 2.6014 BRA 2.0843 BC3 4.1166 FSP -625 SG1 5708.1 SG2 410.2 THA .18 EL1 3338.2 EL2 137.5 ALF 5.54

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.542 GAL 4.74 AZL 86.60 MCA 272.91 SMA 121.11 ECC .23188 INC 3.3969 V1 30.219
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.652 GAP 12.10 AZP 89.83 TAL 163.85 TAP 76.76 RCA 93.03 APO 149.19 V2 34.824
 RC 177.341 GL 19.08 GP 1.28 ZAL 59.29 ZAP 172.50 ETS 10.10 ZAE 128.96 ETE 179.02 ZAC 86.34 ETC 166.15 CLP-172.61

PLANETOCENTRIC CONIC
 C3 22.994 VHL 4.795 DLA 23.14 RAL 5.29 RAD 6567.9 VEL 12.016 PTM 2.14 VMP 7.880 CPA -5.12 RAP 353.44 ECC 1.3784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 22 24 3069.92 -27.51 101.49 237.66 83.01 4 13 34 2469.9 -28.19 92.89
 90.00 22 19 15 4070.09 -4.14 164.72 230.06 61.96 23 27 5 3470.1 -7.86 158.02
 100.00 5 1 32 2750.32 -29.46 78.22 237.90 84.72 5 47 22 2150.3 -29.88 69.44
 100.00 23 22 48 3864.92 -2.42 148.70 229.11 60.20 24 27 13 3264.9 -6.37 142.13
 110.00 6 45 48 2424.07 -34.17 53.75 238.21 88.92 7 26 12 1824.1 -33.94 44.51
 110.00 23 55 1 3763.93 1.57 138.55 226.61 55.85 24 57 45 3163.9 -2.92 132.34

DIFFERENTIAL CORRECTIONS
 TDE 2.6733 TRA 2.3408 TC3-3.8208 BAU 1.1752 SGT 5734.3 SGR 411.9 SG3 177.0 ST 3323.7 SR 360.6 SS 822.7
 RDE .2990 RRA -.1249 RC3 .1306 FAU .02175 RRT .0799 RRF .0635 RTF .9442 CRT .9148 CRS -.8654 CST -.9938
 FDE .9358 FRA 1.1743 FC3 -.8188 BSP 18556 SGB 5749.1 R23 -.0124 R13 .9442 LSA 3438.7 MSA 170.9 SSA 16.5
 BDE 2.6899 BRA 2.3442 BC3 3.8230 FSP -605 SG1 5734.4 SG2 410.6 THA .33 EL1 3340.1 EL2 145.0 ALF 5.68

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.503 GAL 5.36 AZL 86.59 MCA 276.08 SMA 120.88 ECC .23787 INC 3.4125 V1 30.219
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.631 GAP 12.53 AZP 89.64 TAL 162.23 TAP 78.31 RCA 92.13 APO 149.63 V2 34.832
 RC 179.385 GL 18.32 GP 1.24 ZAL 56.87 ZAP 173.35 ETS 11.18 ZAE 128.94 ETE 179.07 ZAC 88.59 ETC 166.26 CLP-173.47

PLANETOCENTRIC CONIC
 C3 24.964 VHL 4.996 DLA 23.42 RAL 7.93 RAD 6568.0 VEL 12.097 PTM 2.17 VMP 8.143 CPA -4.23 RAP 355.58 ECC 1.4108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 50 3104.44 -27.20 103.97 241.89 81.81 4 20 34 2504.4 -28.05 95.41
 90.00 22 33 50 4075.82 -3.96 165.05 234.06 61.94 23 41 46 3475.8 -7.68 158.34
 100.00 5 8 34 2782.89 -29.24 80.61 242.19 83.48 5 54 57 2182.9 -29.83 71.86
 100.00 23 36 47 3872.61 -2.16 149.12 233.07 60.18 24 41 20 3272.6 -6.12 142.56
 110.00 6 53 48 2453.65 -34.11 56.05 242.64 87.56 7 34 42 1853.7 -34.07 46.81
 110.00 0 11 58 3774.61 1.98 139.11 230.48 55.87 1 14 53 3174.6 -2.51 132.90

DIFFERENTIAL CORRECTIONS
 TDE 2.7613 TRA 2.6177 TC3-3.5250 BAU 1.1770 SGT 5756.4 SGR 412.5 SG3 170.5 ST 3316.8 SR 369.9 SS 810.1
 RDE .3201 RRA -.1214 RC3 .1113 FAU .01996 RRT .1154 RRF .0998 RTF .9458 CRT .9107 CRS -.8627 CST -.9943
 FDE .9222 FRA 1.2129 FC3 -.6923 BSP 18684 SGB 5771.2 R23 -.0100 R13 .9458 LSA 3429.8 MSA 174.5 SSA 16.0
 BDE 2.7798 BRA 2.6205 BC3 3.5267 FSP -584 SG1 5756.6 SG2 409.7 THA .48 EL1 3333.9 EL2 152.0 ALF 5.81

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.464 GAL 6.02 AZL 86.57 MCA 279.25 SMA 120.65 ECC .24439 INC 3.4283 V1 30.219
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.610 GAP 12.99 AZP 89.45 TAL 160.62 TAP 79.87 RCA 91.17 APO 150.14 V2 34.840
 RC 181.409 GL 17.56 GP 1.21 ZAL 54.52 ZAP 174.20 ETS 12.55 ZAE 128.92 ETE 179.12 ZAC 90.84 ETC 166.35 CLP-174.32

PLANETOCENTRIC CONIC
 C3 27.226 VHL 5.218 DLA 23.64 RAL 10.49 RAD 6568.1 VEL 12.190 PTM 2.19 VMP 8.424 CPA -3.32 RAP 357.71 ECC 1.4481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 44 3137.54 -26.86 106.33 246.13 80.67 4 28 2 2537.5 -27.87 97.81
 90.00 22 47 21 4085.68 -3.64 165.60 238.04 61.90 23 55 27 3485.7 -7.38 158.90
 100.00 5 15 59 2814.34 -28.97 82.91 246.48 82.30 6 2 53 2214.3 -29.73 74.19
 100.00 23 49 48 3884.11 -1.77 149.75 237.01 60.16 24 54 32 3284.1 -5.73 143.20
 110.00 7 2 0 2482.66 -34.00 58.31 247.08 86.23 7 43 22 1882.7 -34.15 49.07
 110.00 0 24 12 3788.55 2.51 139.83 234.33 55.90 1 27 20 3188.6 -1.98 133.63

DIFFERENTIAL CORRECTIONS
 TDE 2.8494 TRA 2.9113 TC3-3.2308 BAU 1.1765 SGT 5773.7 SGR 412.4 SG3 164.3 ST 3300.9 SR 378.0 SS 797.4
 RDE .3421 RRA -.1163 RC3 .0936 FAU .01824 RRT .1511 RRF .1361 RTF .9475 CRT .9067 CRS -.8602 CST -.9948
 FDE .9094 FRA 1.2523 FC3 -.5800 BSP 18802 SGB 5788.4 R23 -.0078 R13 .9475 LSA 3412.1 MSA 178.1 SSA 15.4
 BDE 2.8699 BRA 2.9136 BC3 3.2321 FSP -565 SG1 5774.0 SG2 407.6 THA .62 EL1 3318.7 EL2 158.6 ALF 5.94

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.425 GAL 6.71 AZL 86.56 MCA 282.42 SMA 120.43 ECC .25152 INC 3.4444 V1 30.219
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.591 GAP 13.48 AZP 89.26 TAL 159.02 TAP 81.45 RCA 90.14 APO 150.72 V2 34.849
 RC 183.413 GL 16.78 GP 1.17 ZAL 52.26 ZAP 175.04 ETS 14.38 ZAE 128.90 ETE 179.16 ZAC 93.10 ETC 166.42 CLP-175.18

PLANETOCENTRIC CONIC
 C3 29.828 VHL 5.462 DLA 23.81 RAL 12.97 RAD 6568.2 VEL 12.296 PTM 2.21 VMP 8.726 CPA -2.40 RAP 359.84 ECC 1.4909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 7 3169.15 -26.49 108.57 250.35 79.61 4 35 56 2569.2 -27.66 100.10
 90.00 22 59 45 4099.64 -3.20 166.38 241.99 61.85 24 8 5 3499.6 -6.94 159.70
 100.00 5 23 45 2844.67 -28.67 85.12 250.76 81.17 6 11 10 2244.7 -29.60 76.43
 100.00 0 5 44 3899.36 -1.26 150.59 240.92 60.13 1 10 43 3299.4 -5.22 144.04
 110.00 7 10 22 2511.10 -33.85 60.52 251.50 84.93 7 52 13 1911.1 -34.18 51.29
 110.00 0 35 36 3805.69 3.17 140.73 238.16 55.95 1 39 2 3205.7 -1.32 134.52

DIFFERENTIAL CORRECTIONS
 TDE 2.9425 TRA 3.2270 TC3-2.9360 BAU 1.1712 SGT 5788.5 SGR 411.7 SG3 158.5 ST 3281.9 SR 384.8 SS 786.6
 RDE .3650 RRA -.1093 RC3 .0775 FAU .01651 RRT .1874 RRF .1732 RTF .9493 CRT .9028 CRS -.8581 CST -.9953
 FDE .8993 FRA 1.2945 FC3 -.4792 BSP 18808 SGB 5803.1 R23 -.0057 R13 .9493 LSA 3391.8 MSA 181.5 SSA 14.9
 BDE 2.9651 BRA 3.2289 BC3 2.9370 FSP -542 SG1 5789.0 SG2 404.4 THA .77 EL1 3300.2 EL2 164.5 ALF 6.06

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.387 GAL 7.45 AZL 86.54 HCA 285.60 SMA 120.21 ECC .25931 INC 3.4609 V1 30.219
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.572 GAP 14.01 ATP 89.07 TAL 157.45 TAP 83.05 RCA 89.04 APO 151.38 V2 34.858
 RC 185.395 GL 16.00 GP 1.14 ZAL 50.09 ZAP 175.87 ETS 16.93 ZAE 128.87 ETE 179.21 ZAC 95.35 ETC 166.47 CLP-176.04

PLANETOCENTRIC CONIC
 C3 32.824 VHL 5.729 DLA 23.92 RAL 15.36 RAD 6568.3 VEL 12.418 PTH 2.24 VHP 9.051 DPA -1.48 RAP 1.96 ECC 1.5402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 55 3199.24 -26.10 110.69 254.55 78.61 4 44 14 2599.2 -27.41 102.27
 90.00 23 11 1 4117.66 -2.62 167.39 245.90 61.79 24 19 39 3517.7 -6.37 160.72
 100.00 5 31 50 2873.86 -28.35 87.23 255.02 80.11 6 19 44 2273.9 -29.43 78.59
 100.00 0 16 43 3918.28 -.62 151.62 244.79 60.11 1 22 1 3318.3 -4.59 145.09
 110.00 7 18 52 2538.99 -33.66 62.68 255.91 83.67 8 1 11 1939.0 -34.17 53.47
 110.00 0 46 10 3825.91 3.94 141.79 241.95 56.02 1 49 56 3225.9 -.55 135.58

DIFFERENTIAL CORRECTIONS
 TOE 3.0324 TRA 3.5574 TC3-2.6554 BAU 1.1656 SGT 5796.7 SGR 410.4 SG3 152.8 ST 3250.9 SR 390.1 SS 774.8
 RDE .3887 RRA -.1005 RC3 .0631 FAU .01494 RRT .2232 RRF .2094 RTF .9514 CRT .8990 CRS -.8559 CST -.9958
 FDE .8884 FRA 1.3360 FC3 -.3939 BSP 18917 SGB 5811.2 R23 -.0041 R13 .9514 LSA 3359.6 MSA 184.5 SSA 14.3
 BDE 3.0572 BRA 3.5588 BC3 2.6561 FSP -524 SG1 5797.4 SG2 400.0 THA .91 EL1 3269.8 EL2 169.9 ALF 6.17

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.350 GAL 8.24 AZL 86.52 HCA 288.77 SMA 119.99 ECC .26786 INC 3.4779 V1 30.219
 RP 108.68 LAP -3.29 LOP .44 VP 36.555 GAP 14.59 ATP 88.88 TAL 155.90 TAP 84.67 RCA 87.85 APO 152.14 V2 34.868
 RC 187.357 GL 15.23 GP 1.12 ZAL 48.01 ZAP 176.71 ETS 20.79 ZAE 128.83 ETE 179.26 ZAC 97.59 ETC 166.49 CLP-176.90

PLANETOCENTRIC CONIC
 C3 36.279 VHL 6.023 DLA 23.98 RAL 17.65 RAD 6568.4 VEL 12.556 PTH 2.28 VHP 9.402 DPA -.55 RAP 4.08 ECC 1.5971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 8 3227.82 -25.70 112.69 258.72 77.69 4 52 56 2627.8 -27.14 104.32
 90.00 23 21 8 4139.60 -1.91 168.61 249.75 61.74 24 30 7 3539.6 -5.67 161.95
 100.00 5 40 13 2901.93 -28.01 89.24 259.25 79.10 6 28 34 2301.9 -29.22 80.65
 100.00 0 26 40 3940.72 .15 152.85 248.61 60.11 1 32 21 3340.7 -3.83 146.33
 110.00 7 27 29 2566.34 -33.44 64.78 260.28 82.44 8 10 15 1966.3 -34.12 55.60
 110.00 0 55 54 3849.07 4.82 143.00 245.70 56.12 2 0 3 3249.1 .33 136.79

DIFFERENTIAL CORRECTIONS
 TOE 3.1243 TRA 3.9091 TC3-2.3839 BAU 1.1565 SGT 5800.3 SGR 408.4 SG3 147.4 ST 3214.2 SR 394.0 SS 764.1
 RDE .4131 RRA -.0896 RC3 .0504 FAU .01341 RRT .2591 RRF .2457 RTF .9537 CRT .8952 CRS -.8540 CST -.9962
 FDE .8790 FRA 1.3794 FC3 -.3199 BSP 19010 SGB 5814.7 R23 -.0026 R13 .9537 LSA 3321.9 MSA 187.2 SSA 13.8
 BDE 3.1515 BRA 3.9101 BC3 2.3845 FSP -507 SG1 5801.3 SG2 394.4 THA 1.05 EL1 3233.5 EL2 174.5 ALF 6.28

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.313 GAL 9.08 AZL 86.50 HCA 291.95 SMA 119.78 ECC .27724 INC 3.4956 V1 30.219
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.538 GAP 15.21 ATP 88.69 TAL 154.38 TAP 86.33 RCA 86.57 APO 152.99 V2 34.878
 RC 189.297 GL 14.46 GP 1.09 ZAL 46.02 ZAP 177.52 ETS 27.24 ZAE 128.79 ETE 179.31 ZAC 99.83 ETC 166.49 CLP-177.77

PLANETOCENTRIC CONIC
 C3 40.274 VHL 6.346 DLA 23.99 RAL 19.85 RAD 6568.5 VEL 12.714 PTH 2.31 VHP 9.783 DPA .38 RAP 6.19 ECC 1.6628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 42 3254.93 -25.29 114.57 262.87 76.83 5 1 57 2654.9 -26.86 106.25
 90.00 23 30 6 4165.29 -1.08 170.05 253.54 61.70 24 39 32 3565.3 -4.86 163.40
 100.00 5 48 49 2928.93 -27.64 91.17 263.45 78.15 6 37 38 2328.9 -29.00 82.62
 100.00 0 35 37 3966.52 1.02 154.27 252.37 60.12 1 41 43 3366.5 -2.96 147.75
 110.00 7 36 8 2593.19 -33.18 66.83 264.61 81.25 8 19 21 1993.2 -34.03 57.70
 110.00 1 4 47 3875.03 5.80 144.37 249.40 56.25 2 9 22 3279.0 1.33 138.14

DIFFERENTIAL CORRECTIONS
 TOE 3.2200 TRA 4.2850 TC3-2.1223 BAU 1.1429 SGT 5799.9 SGR 405.9 SG3 142.2 ST 3173.6 SR 396.3 SS 754.9
 RDE .4382 RRA -.0765 RC3 .0395 FAU .01191 RRT .2952 RRF .2822 RTF .9562 CRT .8915 CRS -.8524 CST -.9966
 FDE .8715 FRA 1.4254 FC3 -.2559 BSP 19077 SGB 5814.1 R23 -.0014 R13 .9562 LSA 3280.7 MSA 189.3 SSA 13.3
 BDE 3.2497 BRA 4.2857 BC3 2.1226 FSP -489 SG1 5801.2 SG2 387.7 THA 1.19 EL1 3193.3 EL2 178.4 ALF 6.37

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC
 RL 147.44 LAL .00 LOL 71.64 VL 26.277 GAL 9.98 AZL 86.49 HCA 295.13 SMA 119.58 ECC .28758 INC 3.5141 V1 30.219
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.522 GAP 15.89 ATP 88.51 TAL 152.91 TAP 88.03 RCA 85.19 APO 153.97 V2 34.889
 RC 191.216 GL 13.69 GP 1.07 ZAL 44.13 ZAP 178.29 ETS 39.88 ZAE 128.72 ETE 179.36 ZAC 102.05 ETC 166.47 CLP-178.66

PLANETOCENTRIC CONIC
 C3 44.909 VHL 6.701 DLA 23.96 RAL 21.95 RAD 6568.7 VEL 12.895 PTH 2.35 VHP 10.198 DPA 1.31 RAP 8.28 ECC 1.7391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 35 3280.61 -24.88 116.34 266.97 76.03 5 11 15 2680.6 -26.56 108.07
 90.00 23 37 58 4194.51 -.14 171.67 257.26 61.68 24 47 53 3594.5 -3.92 169.04
 100.00 5 57 36 2954.88 -27.27 93.00 267.60 77.25 6 46 51 2354.9 -28.75 84.51
 100.00 0 43 34 3995.47 2.00 155.86 256.07 60.17 1 50 9 3395.5 -1.98 149.34
 110.00 7 44 48 2619.52 -32.89 68.83 268.90 80.10 8 28 27 2019.5 -33.90 58.74
 110.00 1 12 51 3903.59 6.88 145.88 253.06 56.43 2 17 55 3303.6 2.42 139.63

DIFFERENTIAL CORRECTIONS
 TOE 3.3240 TRA 4.6909 TC3-1.8695 BAU 1.1226 SGT 5798.1 SGR 402.9 SG3 137.4 ST 3133.1 SR 397.1 SS 748.4
 RDE .4640 RRA -.0609 RC3 .0303 FAU .01038 RRT .3321 RRF .3194 RTF .9588 CRT .8881 CRS -.8511 CST -.9970
 FDE .8672 FRA 1.4756 FC3 -.2000 BSP 19023 SGB 5812.1 R23 -.0004 R13 .9588 LSA 3240.0 MSA 190.8 SSA 12.8
 BDE 3.3563 BRA 4.6913 BC3 1.8697 FSP -470 SG1 5799.6 SG2 379.9 THA 1.33 EL1 3152.9 EL2 181.4 ALF 6.44

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 28 1966

Heliocentric Conic
 RL 147.44 LAL .00 LOL 71.64 VL 26.241 GAL 10.96 AZL 86.47 HCA 298.31 SMA 119.38 ECC .29899 INC 3.5336 V1 30.219
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.507 GAP 16.63 AZP 88.32 TAL 151.48 TAP 89.78 RCA 83.68 APO 155.07 V2 34.900
 RC 193.113 GL 12.94 GP 1.05 ZAL 42.33 ZAP 178.87 ETS 69.03 ZAE 128.64 ETE 179.40 ZAC 104.25 ETC 166.42 CLP -179.57

Distance 593.760

Planetocentric Conic
 C3 50.304 VHL 7.092 DLA 23.89 RAL 23.94 RAD 6568.9 VEL 13.102 PTH 2.39 VHP 10.652 DPA 2.23 RAP 10.36 ECC 1.8279
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 42 3304.92 -24.47 118.00 271.02 75.30 5 20 47 2704.9 -26.26 109.79
 90.00 23 44 45 4227.00 .91 173.49 260.91 61.70 24 55 12 3627.0 -2.88 166.86
 100.00 6 6 32 2979.81 -26.88 94.75 271.69 76.41 6 56 12 2379.8 -28.48 86.32
 100.00 0 50 32 4027.35 3.08 157.61 259.71 60.25 1 57 39 3427.3 -.90 151.09
 110.00 7 53 26 2645.33 -32.57 70.78 273.12 78.99 8 37 32 2045.3 -33.74 61.74
 110.00 1 20 6 3934.58 8.04 147.53 256.65 56.66 2 25 41 3334.6 3.60 141.25

Differential Corrections
 TDE 3.4280 TRA 5.1202 TC3-1.5897 BAU 1.0692 SGT 5763.5 SGR 399.4 SG3 132.6 ST 3084.7 SR 396.3 SS 742.1
 RDE .4903 RRA -.0429 RC3 .0240 FAU .00894 RRT .3688 RRF .3551 RTF .9642 CRT .8847 CRS -.8500 CST -.9974
 FDE .8631 FRA 1.5273 FC3 -.1539 BSP 19055 SGB 5777.3 R23 -.0022 R13 .9642 LSA 3191.6 MSA 191.7 SSA 11.8
 BDE 3.4629 BRA 5.1203 BC3 1.5899 FSP -454 SG1 5765.4 SG2 371.1 TMA 1.47 EL1 3104.6 EL2 183.5 ALF 6.51

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUN 30 1966

Heliocentric Conic
 RL 147.44 LAL .00 LOL 71.64 VL 26.206 GAL 12.02 AZL 86.45 HCA 301.49 SMA 119.18 ECC .31162 INC 3.5544 V1 30.219
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.493 GAP 17.44 AZP 88.14 TAL 150.10 TAP 91.59 RCA 82.04 APO 156.32 V2 34.912
 RC 194.989 GL 12.19 GP 1.03 ZAL 40.64 ZAP 178.86 ETS 117.40 ZAE 128.53 ETE 179.45 ZAC 106.43 ETC 166.34 CLP 179.50

Distance 598.348

Planetocentric Conic
 C3 56.611 VHL 7.524 DLA 23.77 RAL 25.83 RAD 6569.0 VEL 13.341 PTH 2.44 VHP 11.152 DPA 3.14 RAP 12.42 ECC 1.9317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 0 3327.89 -24.07 119.56 275.01 74.61 5 30 28 2727.9 -25.95 111.40
 90.00 23 50 28 4262.50 2.06 175.47 264.47 61.75 25 1 30 3662.5 -1.74 168.84
 100.00 6 15 33 3003.71 -26.49 96.42 275.72 75.61 7 5 36 2403.7 -28.20 88.04
 100.00 0 56 32 4061.92 4.25 159.52 263.26 60.38 2 4 14 3461.9 -.27 152.98
 110.00 8 2 1 2670.58 -32.22 72.67 277.26 77.92 8 46 32 2070.6 -33.55 63.69
 110.00 1 26 33 3967.80 9.28 149.30 260.18 56.95 2 32 40 3367.8 4.86 143.00

Differential Corrections
 TDE 3.5387 TRA 5.5811 TC3-1.4129 BAU 1.0694 SGT 5774.8 SGR 395.0 SG3 128.1 ST 3034.2 SR 393.9 SS 737.9
 RDE .5172 RRA -.0221 RC3 .0165 FAU .00755 RRT .4047 RRF .3924 RTF .9646 CRT .8815 CRS -.8491 CST -.9978
 FDE .8613 FRA 1.5836 FC3 -.1155 BSP 19143 SGB 5788.3 R23 .0006 R13 .9646 LSA 3141.5 MSA 191.7 SSA 11.7
 BDE 3.5763 BRA 5.5812 BC3 1.4130 FSP -439 SG1 5777.1 SG2 361.1 TMA 1.59 EL1 3054.1 EL2 184.7 ALF 6.55

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 2 1966

Heliocentric Conic
 RL 147.44 LAL .00 LOL 71.64 VL 26.172 GAL 13.16 AZL 86.42 HCA 304.68 SMA 118.99 ECC .32565 INC 3.5766 V1 30.219
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.480 GAP 18.34 AZP 87.96 TAL 148.79 TAP 93.47 RCA 80.24 APO 157.74 V2 34.924
 RC 196.842 GL 11.46 GP 1.01 ZAL 39.05 ZAP 178.23 ETS 146.92 ZAE 128.39 ETE 179.50 ZAC 108.58 ETC 166.24 CLP 178.54

Distance 602.719

Planetocentric Conic
 C3 64.023 VHL 8.001 DLA 23.62 RAL 27.59 RAD 6569.2 VEL 13.615 PTH 2.49 VHP 11.703 DPA 4.04 RAP 14.46 ECC 2.0537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 25 3349.54 -23.67 121.02 278.92 73.99 5 40 14 2749.5 -25.64 112.91
 90.00 23 55 9 4300.71 3.28 177.60 267.95 61.86 25 6 50 3700.7 -.50 170.97
 100.00 6 24 35 3026.56 -26.09 98.00 279.66 74.87 7 15 2 2426.6 -27.91 89.68
 100.00 1 1 36 4098.92 5.49 161.56 266.73 60.57 2 9 55 3498.9 1.53 155.01
 110.00 8 10 30 2695.20 -31.86 74.49 281.32 76.90 8 55 25 2095.2 -33.33 65.58
 110.00 1 32 11 4003.05 10.58 151.20 263.63 57.31 2 38 54 3403.0 6.20 144.85

Differential Corrections
 TDE 3.6579 TRA 6.0791 TC3-1.2051 BAU 1.0316 SGT 5757.8 SGR 390.4 SG3 123.7 ST 2982.6 SR 389.9 SS 736.1
 RDE .5445 RRA .0017 RC3 .0117 FAU .00613 RRT .4411 RRF .4292 RTF .9677 CRT .8787 CRS -.8487 CST -.9981
 FDE .8623 FRA 1.6448 FC3 -.0829 BSP 19154 SGB 5771.0 R23 .0008 R13 .9677 LSA 3090.8 MSA 191.0 SSA 11.2
 BDE 3.6982 BRA 6.0791 BC3 1.2052 FSP -425 SG1 5760.3 SG2 350.2 TMA 1.72 EL1 3002.2 EL2 184.9 ALF 6.58

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 4 1966

Heliocentric Conic
 RL 147.44 LAL .00 LOL 71.64 VL 26.139 GAL 14.42 AZL 86.40 HCA 307.87 SMA 118.80 ECC .34128 INC 3.6006 V1 30.219
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.468 GAP 19.35 AZP 87.79 TAL 147.57 TAP 95.43 RCA 78.26 APO 159.35 V2 34.936
 RC 198.673 GL 10.74 GP .99 ZAL 37.57 ZAP 177.35 ETS 159.71 ZAE 128.21 ETE 179.54 ZAC 110.70 ETC 166.11 CLP 177.55

Distance 606.823

Planetocentric Conic
 C3 72.781 VHL 8.531 DLA 23.42 RAL 29.24 RAD 6569.4 VEL 13.933 PTH 2.54 VHP 12.315 DPA 4.93 RAP 16.47 ECC 2.1978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 53 3369.85 -23.28 122.38 282.74 73.41 5 50 3 2769.8 -25.33 114.32
 90.00 0 2 47 4341.34 4.59 179.88 271.32 62.03 1 15 8 3741.3 .81 173.24
 100.00 6 33 37 3048.30 -25.70 99.50 283.51 74.18 7 24 25 2448.3 -27.62 91.22
 100.00 1 5 44 4138.13 6.79 163.74 270.11 60.82 2 14 42 3538.1 2.85 157.17
 110.00 8 18 50 2719.08 -31.48 76.25 285.27 75.92 9 4 9 2119.1 -33.09 67.40
 110.00 1 37 0 4040.11 11.94 153.21 267.01 57.73 2 44 20 3440.1 7.59 146.81

Differential Corrections
 TDE 3.7883 TRA 6.6178 TC3-1.0112 BAU .9839 SGT 5736.8 SGR 385.3 SG3 119.7 ST 2930.4 SR 384.5 SS 737.0
 RDE .5725 RRA .0287 RC3 .0082 FAU .00467 RRT .4776 RRF .4660 RTF .9709 CRT .8762 CRS -.8487 CST -.9984
 FDE .8663 FRA 1.7121 FC3 -.0556 BSP 19155 SGB 5749.7 R23 .0008 R13 .9709 LSA 3040.1 MSA 189.3 SSA 10.7
 BDE 3.8313 BRA 6.6178 BC3 1.0112 FSP -410 SG1 5739.7 SG2 338.4 TMA 1.84 EL1 2949.8 EL2 184.1 ALF 6.58

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 4 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 610.598

RL 147.44 LAL .00 LOL 71.64 VL 26.106 GAL 15.79 AZL 86.37 MCA 311.06 SMA 118.62 ECC .35876 INC 3.6267 V1 30.219
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.457 GAP 20.46 AZP 87.62 TAL 146.44 TAP 97.50 RCA 76.07 APO 161.18 V2 34.948
 RC 200.481 GL 10.03 GP .98 ZAL 36.20 ZAP 176.37 ETS 166.23 ZAE 127.99 ETE 179.59 ZAC 112.77 ETC 165.95 CLP 176.50

PLANETOCENTRIC CONIC

C3 83.198 VML 9.121 DLA 23.19 RAL 30.77 RAD 6569.6 VEL 14.302 PTH 2.60 VHP 12.997 DPA 5.79 RAP 18.45 ECC 2.3692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 21 3388.74 -22.91 123.64 286.45 72.89 5 59 49 2788.7 -25.04 115.62
 90.00 0 5 28 4384.12 5.95 182.29 274.58 62.26 1 18 32 3784.1 2.19 175.62
 100.00 6 42 34 3068.82 -25.31 100.90 287.24 73.54 7 33 43 2468.8 -27.32 92.68
 100.00 1 8 56 4179.27 8.15 166.04 273.38 61.14 2 18 35 3579.3 4.24 159.43
 110.00 8 27 0 2742.08 -31.08 77.93 289.09 75.00 9 12 42 2142.1 -32.83 69.14
 110.00 1 40 59 4078.78 13.33 155.34 270.30 58.23 2 48 58 3478.8 9.04 148.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.9345 TRA 7.2051 TC3 -.8298 BAU .9230 SGT 5713.4 SGR 379.9 SG3 115.8 ST 2879.6 SR 377.8 S5 741.5
 RDE .6011 RRA .0592 RC3 .0059 FAU .00312 RRT .5142 RRF .5031 RTF .9742 CRT .8743 CRS -.8493 CST -.9987
 FDE .8745 FRA 1.7874 FC3 -.0325 BSP 19072 SGB 5726.0 R23 .0006 R13 .9742 LSA 2991.6 MSA 186.6 SSA 10.2
 BDE 3.9802 BRA 7.2053 BC3 -.8298 FSP -395 SGI 5716.8 SG2 325.7 THA 1.96 EL1 2898.6 EL2 182.2 ALF 6.57

LAUNCH DATE DEC 4 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 613.962

RL 147.44 LAL .00 LOL 71.64 VL 26.075 GAL 17.32 AZL 86.34 MCA 314.25 SMA 118.45 ECC .37838 INC 3.6556 V1 30.219
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.447 GAP 21.72 AZP 87.45 TAL 145.44 TAP 99.68 RCA 73.63 APO 163.27 V2 34.961
 RC 202.264 GL 9.34 GP .96 ZAL 34.96 ZAP 175.31 ETS 170.12 ZAE 127.71 ETE 179.63 ZAC 114.79 ETC 165.77 CLP 175.41

PLANETOCENTRIC CONIC

C3 95.677 VML 9.781 DLA 22.92 RAL 32.16 RAD 6569.9 VEL 14.732 PTH 2.67 VHP 13.763 DPA 6.63 RAP 20.38 ECC 2.5746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 45 3406.08 -22.56 124.79 290.03 72.41 6 9 31 2806.1 -24.75 116.81
 90.00 0 7 10 4428.78 7.35 184.81 277.71 62.58 1 20 59 3828.8 3.62 178.12
 100.00 6 51 25 3087.96 -24.93 102.20 290.84 72.95 7 42 53 2488.0 -27.03 94.03
 100.00 1 11 11 4222.13 9.55 168.45 276.54 61.54 2 21 33 3622.1 5.68 161.80
 110.00 8 34 58 2764.00 -30.69 79.51 292.76 74.14 9 21 2 2164.0 -32.55 70.79
 110.00 1 44 8 4118.85 14.76 157.57 273.49 58.81 2 52 46 3518.8 10.52 151.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.0924 TRA 7.8411 TC3 -.6644 BAU .8499 SGT 5683.6 SGR 374.1 SG3 112.1 ST 2825.9 SR 369.6 S5 748.6
 RDE .6303 RRA .0935 RC3 .0046 FAU .00152 RRT .5503 RRF .5396 RTF .9774 CRT .8728 CRS -.8502 CST -.9989
 FDE .8854 FRA 1.8702 FC3 -.0137 BSP 19067 SGB 5695.9 R23 .0002 R13 .9774 LSA 2941.0 MSA 183.1 SSA 9.7
 BDE 4.1407 BRA 7.8417 BC3 .6644 FSP -383 SGI 5687.3 SG2 312.1 THA 2.08 EL1 2844.4 EL2 179.2 ALF 6.54

LAUNCH DATE DEC 4 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 616.811

RL 147.44 LAL .00 LOL 71.64 VL 26.046 GAL 19.01 AZL 86.31 MCA 317.44 SMA 118.29 ECC .40049 INC 3.6879 V1 30.219
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.438 GAP 23.14 AZP 87.28 TAL 144.58 TAP 102.02 RCA 70.92 APO 165.67 V2 34.974
 RC 204.023 GL 8.66 GP .95 ZAL 33.85 ZAP 174.16 ETS 172.70 ZAE 127.36 ETE 179.68 ZAC 116.74 ETC 165.57 CLP 174.24

PLANETOCENTRIC CONIC

C3 110.746 VML 10.524 DLA 22.61 RAL 33.41 RAD 6570.1 VEL 15.234 PTH 2.73 VHP 14.627 DPA 7.43 RAP 22.26 ECC 2.8226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 2 3421.66 -22.23 125.82 293.45 72.00 6 19 4 2821.7 -24.49 117.88
 90.00 0 7 49 4475.07 8.80 187.45 280.71 62.98 1 22 24 3875.1 5.10 180.72
 100.00 7 0 6 3105.49 -24.58 103.38 294.27 72.43 7 51 51 2505.5 -26.75 95.25
 100.00 1 12 27 4266.48 10.98 170.97 279.56 62.02 2 23 33 3666.5 7.15 164.27
 110.00 8 42 40 2784.60 -30.29 80.99 296.25 73.35 9 29 5 2184.6 -32.27 72.33
 110.00 1 46 22 4160.12 16.20 159.90 276.55 59.48 2 55 42 3560.1 12.03 153.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.2699 TRA 8.5374 TC3 -.5124 BAU .7587 SGT 5649.8 SGR 367.9 SG3 108.7 ST 2772.6 SR 360.3 S5 759.7
 RDE .6603 RRA .1319 RC3 .0041 FAU-.00024 RRT .5861 RRF .5760 RTF .9805 CRT .8720 CRS -.8518 CST -.9991
 FDE .9010 FRA 1.9633 FC3 .0019 BSP 19044 SGB 5661.8 R23 -.0004 R13 .9805 LSA 2891.7 MSA 178.6 SSA 9.2
 BDE 4.3207 BRA 8.5384 BC3 .5124 FSP -371 SGI 5653.9 SG2 297.9 THA 2.19 EL1 2790.4 EL2 175.2 ALF 6.49

LAUNCH DATE DEC 4 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 619.004

RL 147.44 LAL .00 LOL 71.64 VL 26.018 GAL 20.91 AZL 86.28 MCA 320.64 SMA 118.14 ECC .42552 INC 3.7243 V1 30.219
 RP 108.31 LAP -2.36 LOP 32.33 VP 36.430 GAP 24.76 AZP 87.12 TAL 143.90 TAP 104.53 RCA 67.87 APO 168.41 V2 34.987
 RC 205.757 GL 7.99 GP .94 ZAL 32.89 ZAP 172.93 ETS 174.55 ZAE 126.92 ETE 179.73 ZAC 118.60 ETC 165.34 CLP 172.99

PLANETOCENTRIC CONIC

C3 129.106 VML 11.362 DLA 22.26 RAL 34.49 RAD 6570.4 VEL 15.825 PTH 2.80 VHP 15.609 DPA 8.20 RAP 24.06 ECC 3.1248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 10 3435.21 -21.94 126.71 296.68 71.64 6 28 25 2835.2 -24.25 118.80
 90.00 0 7 23 4522.77 10.26 190.19 283.54 63.46 1 22 46 3922.8 6.62 183.41
 100.00 7 8 35 3121.10 -24.25 104.43 297.51 71.97 8 0 36 2521.1 -26.49 96.34
 100.00 1 12 39 4312.11 12.42 173.58 282.42 62.59 2 24 32 3712.1 8.66 166.82
 110.00 8 50 5 2803.56 -29.92 82.34 299.54 72.63 9 36 48 2203.6 -32.00 73.74
 110.00 1 47 39 4202.42 17.65 162.33 279.47 60.24 2 57 41 3602.4 13.55 155.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.4715 TRA 9.3026 TC3 -.3736 BAU .6449 SGT 5612.0 SGR 361.5 SG3 105.4 ST 2719.7 SR 349.8 S5 775.3
 RDE .6913 RRA .1749 RC3 .0043 FAU-.00223 RRT .6214 RRF .6119 RTF .9835 CRT .8720 CRS -.8541 CST -.9993
 FDE .9221 FRA 2.0687 FC3 .0149 BSP 18990 SGB 5623.6 R23 -.0010 R13 .9835 LSA 2844.3 MSA 173.1 SSA 8.6
 BDE 4.5247 BRA 9.3043 BC3 .3736 FSP -359 SGI 5616.5 SG2 283.0 THA 2.30 EL1 2736.8 EL2 170.2 ALF 6.42

LAUNCH DATE DEC 5 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 13 1966

HELIOCENTRIC CONIC

DISTANCE 184.180

RL 147.41 LAL .00 LOL 72.65 VL 26.666 GAL -7.17 AZL 86.64 HCA 81.99 SMA 121.81 ECC .24302 INC 3.3561 V1 30.223
 RP 107.54 LAP 3.32 LOP 154.63 VP 37.132 GAP -12.38 AZP 89.53 TAL 203.73 TAP 285.72 RCA 92.21 APO 151.41 V2 35.239
 RC 47.202 GL 17.54 GP -1.00 ZAL 126.84 ZAP 7.35 ETS 6.64 ZAE 148.83 ETE 337.83 ZAC 63.18 ETC 162.38 CLP -7.28

PLANETOCENTRIC CONIC

C3 26.410 VHL 5.139 DLA -2.24 RAL 301.96 RAD 6568.1 VEL 12.157 PTH 2.18 VHP 8.122 DPA -16.35 RAP 331.02 ECC 1.4346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 51 2212.54 -19.52 41.35 167.27 110.93 3 28 44 1612.5 -16.50 33.98
 90.00 14 16 38 4995.57 22.64 219.30 168.51 72.52 15 39 54 4395.6 20.04 211.60
 100.00 4 12 9 1953.51 -20.64 21.83 166.80 112.12 4 44 43 1353.5 -17.46 14.48
 100.00 15 39 1 4729.83 23.78 199.35 168.10 71.34 16 57 51 4129.8 21.01 191.65
 110.00 5 18 0 1747.38 -23.63 4.76 165.37 115.45 5 47 7 1147.4 -20.01 357.50
 110.00 16 49 40 4508.72 26.85 181.31 166.85 68.00 18 4 49 3908.7 23.63 173.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2330 TRA -.4011 TC3 .4532 BAU .1692 SGT 696.3 SGR 403.2 SG3 113.7 ST 292.8 SR 363.1 SS 312.6
 RDE -.3251 RRA .0664 RC3 -.1561 FAU .03652 RRT -.0488 RRF .0487 RTF -.6745 CRT .8569 CRS .9944 CST .8354
 FDE .3960 FRA -.1393 FC3 -1.1971 BSP 1932 SGB 804.6 R23 .0007 R13 .6747 LSA 544.2 MSA 136.4 SSA 23.2
 BDE .4000 BRA .4066 BC3 .4793 FSP -286 SG1 696.7 SG2 402.5 THA 177.57 EL1 450.3 EL2 121.7 ALF 52.11

LAUNCH DATE DEC 5 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 15 1966

HELIOCENTRIC CONIC

DISTANCE 190.995

RL 147.41 LAL .00 LOL 72.65 VL 26.860 GAL -7.16 AZL 86.63 HCA 85.23 SMA 122.98 ECC .23323 INC 3.3687 V1 30.223
 RP 107.55 LAP 3.36 LOP 157.88 VP 37.266 GAP -11.43 AZP 89.72 TAL 205.15 TAP 290.39 RCA 94.30 APO 151.66 V2 35.234
 RC 48.656 GL 18.19 GP -1.06 ZAL 128.20 ZAP 9.85 ETS 5.08 ZAE 148.04 ETE 338.57 ZAC 63.90 ETC 162.51 CLP -9.79

PLANETOCENTRIC CONIC

C3 25.167 VHL 5.017 DLA -1.95 RAL 300.29 RAD 6568.0 VEL 12.106 PTH 2.17 VHP 7.605 DPA -16.17 RAP 331.76 ECC 1.4142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 0 2209.76 -19.45 41.18 164.86 110.99 3 19 50 1609.8 -16.42 33.81
 90.00 14 12 10 4974.50 22.20 217.91 165.91 71.96 15 35 4 4374.5 19.53 210.26
 100.00 4 3 26 1950.29 -20.55 21.63 164.39 112.19 4 35 56 1350.3 -17.36 14.29
 100.00 15 34 24 4709.20 23.33 197.99 165.50 70.76 16 52 54 4109.2 20.49 190.35
 110.00 5 9 36 1743.17 -23.51 4.50 162.98 115.56 5 38 39 1143.2 -19.87 357.25
 110.00 16 44 44 4489.08 26.34 180.01 164.23 67.38 17 59 33 3889.1 23.05 172.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2365 TRA -.3792 TC3 .4978 BAU .1765 SGT 714.3 SGR 403.0 SG3 129.0 ST 300.2 SR 361.3 SS 337.7
 RDE -.3158 RRA .0597 RC3 -.1656 FAU .04017 RRT -.0525 RRF .0533 RTF -.6882 CRT .8732 CRS .9928 CST .8376
 FDE .4448 FRA -.1935 FC3 -1.3818 BSP 2009 SGB 820.1 R23 -.0004 R13 .6884 LSA 561.7 MSA 136.5 SSA 24.0
 BDE .3946 BRA .3839 BC3 .5247 FSP -330 SG1 714.8 SG2 402.2 THA 177.52 EL1 455.2 EL2 116.1 ALF 51.03

LAUNCH DATE DEC 5 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 17 1966

HELIOCENTRIC CONIC

DISTANCE 197.799

RL 147.41 LAL .00 LOL 72.65 VL 27.033 GAL -7.16 AZL 86.62 HCA 88.47 SMA 124.06 ECC .22459 INC 3.3812 V1 30.223
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.385 GAP -10.53 AZP 89.91 TAL 206.56 TAP 295.04 RCA 96.20 APO 151.92 V2 35.227
 RC 50.208 GL 18.78 GP -1.14 ZAL 129.48 ZAP 12.46 ETS 4.14 ZAE 147.50 ETE 339.15 ZAC 64.53 ETC 162.60 CLP -12.40

PLANETOCENTRIC CONIC

C3 24.144 VHL 4.914 DLA -1.68 RAL 298.69 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 7.117 DPA -16.03 RAP 332.41 ECC 1.3974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 39 2207.89 -19.41 41.06 162.64 111.04 3 11 27 1607.9 -16.37 33.69
 90.00 14 7 48 4955.98 21.81 216.70 163.52 71.47 15 30 24 4356.0 19.07 209.09
 100.00 3 55 13 1948.02 -20.50 21.49 162.18 112.25 4 27 41 1348.0 -17.30 14.15
 100.00 15 29 55 4691.08 22.91 196.80 163.11 70.26 16 48 6 4091.1 20.02 189.21
 110.00 5 1 40 1740.00 -23.41 4.30 160.78 115.65 5 30 40 1140.0 -19.77 357.06
 110.00 16 39 58 4471.86 25.89 178.88 161.83 66.85 17 54 29 3871.9 22.53 171.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2397 TRA -.3581 TC3 .5387 BAU .1828 SGT 730.0 SGR 401.8 SG3 146.4 ST 306.7 SR 358.5 SS 364.6
 RDE -.3070 RRA .0533 RC3 -.1745 FAU .04434 RRT -.0569 RRF .0589 RTF -.6997 CRT .8879 CRS .9906 CST .8402
 FDE .5011 FRA -.2563 FC3 -1.5900 BSP 2071 SGB 833.3 R23 -.0019 R13 .6999 LSA 579.8 MSA 137.4 SSA 24.6
 BDE .3895 BRA .3621 BC3 .5662 FSP -382 SG1 730.5 SG2 400.9 THA 177.43 EL1 458.8 EL2 110.3 ALF 50.01

LAUNCH DATE DEC 5 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC

DISTANCE 204.590

RL 147.41 LAL .00 LOL 72.65 VL 27.188 GAL -7.17 AZL 86.61 HCA 91.72 SMA 125.04 ECC .21702 INC 3.3937 V1 30.223
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.491 GAP -9.66 AZP 90.10 TAL 207.94 TAP 299.66 RCA 97.90 APO 152.18 V2 35.220
 RC 51.850 GL 19.32 GP -1.23 ZAL 130.69 ZAP 15.19 ETS 3.52 ZAE 147.23 ETE 339.58 ZAC 65.04 ETC 162.67 CLP -15.14

PLANETOCENTRIC CONIC

C3 23.305 VHL 4.828 DLA -1.43 RAL 297.20 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 6.657 DPA -15.94 RAP 332.93 ECC 1.3835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 51 2206.83 -19.38 40.99 160.61 111.06 3 3 38 1606.8 -16.35 33.63
 90.00 14 3 38 4939.72 21.45 215.64 161.35 71.06 15 25 58 4339.7 18.67 208.07
 100.00 3 47 32 1946.59 -20.46 21.40 160.16 112.28 4 19 59 1346.6 -17.26 14.07
 100.00 15 25 39 4675.20 22.55 195.77 160.93 69.83 16 43 34 4075.2 19.60 188.21
 110.00 4 54 15 1737.75 -23.35 4.16 158.77 115.71 5 23 13 1137.8 -19.70 356.92
 110.00 16 35 25 4456.80 25.48 177.90 159.64 66.40 17 49 42 3856.8 22.07 170.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2407 TRA -.3366 TC3 .5773 BAU .1886 SGT 743.0 SGR 399.8 SG3 166.5 ST 310.3 SR 354.8 SS 392.7
 RDE -.2986 RRA .0474 RC3 -.1826 FAU .04918 RRT -.0657 RRF .0667 RTF -.7110 CRT .9004 CRS .9878 CST .8418
 FDE .5649 FRA -.3301 FC3 -1.8270 BSP 2161 SGB 843.7 R23 -.0012 R13 .7113 LSA 597.1 MSA 138.6 SSA 25.1
 BDE .3835 BRA .3399 BC3 .6055 FSP -445 SG1 743.6 SG2 398.5 THA 177.16 EL1 459.7 EL2 104.2 ALF 49.24

LAUNCH DATE DEC 5 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.326 GAL -7.18 AZL 86.59 HCA 94.96 SMA 125.93 ECC .21041 INC 3.4062 V1 30.223
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.583 GAP -8.84 AZP 90.29 TAL 209.27 TAP 304.23 RCA 99.43 APO 152.43 V2 35.212
 RC 53.572 GL 19.80 GP -1.32 ZAL 131.79 ZAP 18.06 ETS 3.08 ZAE 147.23 ETE 339.84 ZAC 65.42 ETC 162.71 CLP -18.01

PLANETOCENTRIC CONIC
 C3 22.615 VML 4.756 DLA -1.21 RAL 295.81 RAD 6567.9 VEL 12.000 PTH 2.14 VMP 6.225 DPA -15.91 RAP 333.33 ECC 1.3722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 39 2206.49 -19.37 40.97 158.78 111.07 2 56 25 1606.5 -16.34 33.61
 90.00 13 59 46 4925.43 21.13 214.71 159.39 70.70 15 21 51 4325.4 18.31 207.18
 100.00 3 40 25 1945.92 -20.44 21.36 158.33 112.30 4 12 51 1345.9 -17.24 14.02
 100.00 15 21 40 4661.24 22.22 194.86 158.97 69.47 16 39 21 4061.2 19.22 187.35
 110.00 4 47 23 1736.33 -23.31 4.07 156.95 115.74 5 16 19 1136.3 -19.65 356.84
 110.00 16 31 12 4443.59 25.12 177.04 157.68 66.01 17 45 16 3843.6 21.66 169.60

DIFFERENTIAL CORRECTIONS
 TDE -.2425 TRA -.3185 TC3 .6060 BAU .1920 SGT 751.6 SGR 396.7 SG3 189.3 ST 314.6 SR 349.9 S5 423.9
 RDE -.2901 RRA .0418 RC3 -.1900 FAU .05463 RRT -.0716 RRF .0744 RTF -.7170 CRT .9113 CRS .9849 CST .8441
 FDE .6403 FRA -.4134 FC3 -2.0912 BSP 2193 SGB 849.9 R23 -.0035 R13 .7173 LSA 616.9 MSA 141.0 SSA 25.3
 BDE .3781 BRA .3213 BC3 .6351 FSP -514 SG1 752.4 SG2 395.3 THA 177.01 EL1 460.1 EL2 98.5 ALF 48.34

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.448 GAL -7.19 AZL 86.58 HCA 98.20 SMA 126.73 ECC .20466 INC 3.4188 V1 30.223
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.664 GAP -8.06 AZP 90.49 TAL 210.53 TAP 308.72 RCA 100.80 APO 152.67 V2 35.204
 RC 55.368 GL 20.23 GP -1.43 ZAL 132.79 ZAP 21.08 ETS 2.74 ZAE 147.51 ETE 339.94 ZAC 65.65 ETC 162.70 CLP -21.04

PLANETOCENTRIC CONIC
 C3 22.047 VML 4.695 DLA -1.00 RAL 294.53 RAD 6567.9 VEL 11.976 PTH 2.13 VMP 5.820 DPA -15.94 RAP 333.57 ECC 1.3628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 1 2206.80 -19.38 40.99 157.14 111.06 2 49 48 1606.8 -16.34 33.63
 90.00 13 56 14 4912.79 20.85 213.90 157.64 70.39 15 18 7 4312.8 17.98 206.39
 100.00 3 33 54 1945.91 -20.44 21.36 156.69 112.30 4 6 19 1345.9 -17.24 14.02
 100.00 15 18 2 4648.91 21.92 194.07 157.22 69.15 16 35 31 4048.9 18.89 186.58
 110.00 4 41 4 1735.63 -23.29 4.03 155.33 115.76 5 10 0 1135.6 -19.63 356.80
 110.00 16 27 21 4431.96 24.79 176.29 155.91 65.68 17 41 13 3832.0 21.30 168.89

DIFFERENTIAL CORRECTIONS
 TDE -.2429 TRA -.3025 TC3 .6270 BAU .1937 SGT 755.5 SGR 392.7 SG3 215.3 ST 316.9 SR 343.9 S5 457.1
 RDE -.2816 RRA .0365 RC3 -.1969 FAU .06086 RRT -.0790 RRF .0842 RTF -.7197 CRT .9200 CRS .9819 CST .8453
 FDE .7270 FRA -.5089 FC3 -2.3897 BSP 2208 SGB 851.5 R23 -.0066 R13 .7202 LSA 637.4 MSA 144.1 SSA 25.2
 BDE .3719 BRA .3047 BC3 .6572 FSP -594 SG1 756.4 SG2 391.1 THA 176.79 EL1 458.3 EL2 93.2 ALF 47.54

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.555 GAL -7.20 AZL 86.57 HCA 101.43 SMA 127.45 ECC .19967 INC 3.4317 V1 30.223
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.734 GAP -7.31 AZP 90.68 TAL 211.70 TAP 313.13 RCA 102.00 APO 152.90 V2 35.195
 RC 57.230 GL 20.63 GP -1.55 ZAL 133.69 ZAP 24.28 ETS 2.47 ZAE 148.08 ETE 339.85 ZAC 65.73 ETC 162.66 CLP -24.23

PLANETOCENTRIC CONIC
 C3 21.579 VML 4.645 DLA -.80 RAL 293.38 RAD 6567.9 VEL 11.957 PTH 2.13 VMP 5.442 DPA -16.03 RAP 333.66 ECC 1.3551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 39 2207.70 -19.40 41.05 155.69 111.04 2 43 46 1607.7 -16.37 33.68
 90.00 13 53 6 4901.51 20.59 213.17 156.08 70.12 15 14 47 4301.5 17.69 205.69
 100.00 3 27 56 1946.52 -20.46 21.39 155.24 112.28 4 0 23 1346.5 -17.26 14.06
 100.00 15 14 49 4637.93 21.65 193.36 155.66 68.87 16 32 7 4037.9 18.59 185.91
 110.00 4 35 20 1735.57 -23.28 4.02 153.88 115.76 5 4 15 1135.6 -19.63 356.79
 110.00 16 23 55 4421.63 24.50 175.63 154.35 65.38 17 37 37 3821.6 20.97 168.26

DIFFERENTIAL CORRECTIONS
 TDE -.2414 TRA -.2892 TC3 .6385 BAU .1933 SGT 753.6 SGR 387.9 SG3 244.9 ST 317.0 SR 336.8 S5 492.6
 RDE -.2728 RRA .0315 RC3 -.2033 FAU .06794 RRT -.0878 RRF .0961 RTF -.7182 CRT .9263 CRS .9788 CST .8448
 FDE .8266 FRA -.6178 FC3 -2.7257 BSP 2201 SGB 847.5 R23 -.0106 R13 .7189 LSA 658.9 MSA 147.7 SSA 24.9
 BDE .3643 BRA .2909 BC3 .6701 FSP -686 SG1 754.6 SG2 385.8 THA 176.49 EL1 453.9 EL2 88.6 ALF 46.87

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.649 GAL -7.21 AZL 86.56 HCA 104.67 SMA 128.09 ECC .19536 INC 3.4448 V1 30.223
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.794 GAP -6.59 AZP 90.87 TAL 212.78 TAP 317.45 RCA 103.07 APO 153.11 V2 35.186
 RC 59.152 GL 20.98 GP -1.68 ZAL 134.47 ZAP 27.67 ETS 2.24 ZAE 148.96 ETE 339.55 ZAC 65.62 ETC 162.57 CLP -27.62

PLANETOCENTRIC CONIC
 C3 21.189 VML 4.603 DLA -.62 RAL 292.36 RAD 6567.9 VEL 11.940 PTH 2.12 VMP 5.090 DPA -16.21 RAP 333.55 ECC 1.3487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 29 2209.13 -19.44 41.14 154.41 111.01 2 38 19 1609.1 -16.41 33.77
 90.00 13 50 24 4891.31 20.35 212.52 154.71 69.87 15 11 55 4291.3 17.42 205.06
 100.00 3 22 33 1947.66 -20.49 21.47 153.97 112.26 3 55 0 1347.7 -17.29 14.13
 100.00 15 12 2 4628.01 21.41 192.73 154.28 68.62 16 29 10 4028.0 18.31 185.30
 110.00 4 30 8 1736.10 -23.30 4.06 152.62 115.75 4 59 4 1136.1 -19.64 356.83
 110.00 16 20 56 4412.34 24.24 175.04 152.97 65.12 17 34 28 3812.3 20.68 167.70

DIFFERENTIAL CORRECTIONS
 TDE -.2362 TRA -.2779 TC3 .6419 BAU .1913 SGT 745.2 SGR 382.2 SG3 278.6 ST 312.3 SR 328.5 S5 529.6
 RDE -.2637 RRA .0266 RC3 -.2096 FAU .07602 RRT -.1017 RRF .1115 RTF -.7133 CRT .9298 CRS .9757 CST .8413
 FDE .9390 FRA -.7422 FC3 -3.1062 BSP 2201 SGB 837.5 R23 -.0136 R13 .7143 LSA 680.0 MSA 151.3 SSA 24.6
 BDE .3540 BRA .2791 BC3 .6752 FSP -795 SG1 746.5 SG2 379.5 THA 175.97 EL1 445.2 EL2 84.8 ALF 46.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 238.237

RL 147.41 LAL .00 LOL 72.65 VL 27.730 GAL -7.22 AZL 86.54 HCA 107.90 SMA 128.65 ECC .19164 INC 3.4583 V1 30.223
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.844 GAP -5.90 AZP 91.06 TAL 213.75 TAP 321.65 RCA 103.99 APO 153.30 V2 35.176
 RC 61.127 GL 21.30 GP -1.83 ZAL 135.14 ZAP 31.27 ETS 2.02 ZAE 150.13 ETE 338.98 ZAC 65.31 ETC 162.42 CLP -31.22

PLANETOCENTRIC CONIC

C3 20.862 VML 4.567 DLA -.43 RAL 291.46 RAD 6567.8 VEL 11.927 PTH 2.12 VHP 4.764 DPA -16.48 RAP 333.25 ECC 1.3433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 33 2211.06 -19.48 41.26 153.30 110.96 2 33 24 1611.1 -16.46 33.89
 90.00 13 48 10 4881.90 20.13 211.92 153.51 69.65 15 9 32 4281.9 17.18 204.48
 100.00 3 17 42 1949.32 -20.53 21.57 152.86 112.22 3 50 11 1349.3 -17.34 14.23
 100.00 15 9 43 4618.87 21.18 192.14 153.08 68.40 16 26 42 4018.9 18.06 184.74
 110.00 4 25 28 1737.15 -23.33 4.12 151.52 115.72 4 54 26 1137.1 -19.68 356.89
 110.00 16 18 25 4403.81 23.99 174.50 151.76 64.89 17 31 49 3803.8 20.41 167.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2286 TRA -.2722 TC3 .6301 BAU .1857 SGT 728.6 SGR 375.7 SG3 316.3 ST 306.2 SR 318.8 SS 569.9
 RDE -.2540 RRA .0221 RC3 -.2157 FAU .08502 RRT -.1135 RRF .1288 RTF -.6991 CRT .9305 CRS .9729 CST .8351
 FDE 1.0690 FRA -.8792 FC3-3.5283 BSP 2129 SGB 819.7 R23 -.0215 R13 .7006 LSA 703.9 MSA 155.3 SSA 24.1
 BDE .3424 BRA .2731 BC3 .6660 FSP -914 SG1 730.3 SG2 372.4 THA 175.47 EL1 434.3 EL2 82.4 ALF 46.24

LAUNCH DATE DEC 5 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 244.890

RL 147.41 LAL .00 LOL 72.65 VL 27.800 GAL -7.22 AZL 86.53 HCA 111.13 SMA 129.13 ECC .18845 INC 3.4723 V1 30.223
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.886 GAP -5.25 AZP 91.25 TAL 214.60 TAP 325.74 RCA 104.80 APO 153.47 V2 35.166
 RC 63.151 GL 21.60 GP -2.00 ZAL 135.69 ZAP 35.10 ETS 1.82 ZAE 151.62 ETE 338.08 ZAC 64.79 ETC 162.22 CLP -35.05

PLANETOCENTRIC CONIC

C3 20.583 VML 4.537 DLA -.25 RAL 290.69 RAD 6567.8 VEL 11.915 PTH 2.12 VHP 4.464 DPA -16.84 RAP 332.73 ECC 1.3387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 7 2213.48 -19.54 41.41 152.35 110.91 2 29 1 1613.5 -16.52 34.04
 90.00 13 46 26 4873.04 19.92 211.35 152.47 69.45 15 7 39 4273.0 16.94 203.94
 100.00 3 13 21 1951.47 -20.58 21.71 151.92 112.17 3 45 52 1351.5 -17.40 14.36
 100.00 15 7 54 4610.28 20.96 191.60 152.04 68.19 16 24 44 4010.3 17.82 184.21
 110.00 4 21 19 1738.69 -23.38 4.22 150.58 115.68 4 50 18 1138.7 -19.73 356.98
 110.00 16 16 24 4395.83 23.76 174.00 150.72 64.67 17 29 40 3795.8 20.15 166.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2196 TRA -.2713 TC3 .6040 BAU .1771 SGT 703.3 SGR 368.4 SG3 358.4 ST 296.2 SR 307.8 SS 612.5
 RDE -.2437 RRA .0177 RC3 -.2219 FAU .09502 RRT -.1260 RRF .1496 RTF -.6744 CRT .9272 CRS .9705 CST .8237
 FDE 1.2158 FRA -1.0308 FC3-3.9967 BSP 2016 SGB 794.0 R23 -.0337 R13 .6767 LSA 729.2 MSA 159.4 SSA 23.4
 BDE .3280 BRA .2718 BC3 .6435 FSP -1049 SG1 705.4 SG2 364.4 THA 174.85 EL1 419.4 EL2 81.4 ALF 46.19

LAUNCH DATE DEC 5 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 251.515

RL 147.41 LAL .00 LOL 72.65 VL 27.859 GAL -7.21 AZL 86.51 HCA 114.36 SMA 129.55 ECC .18571 INC 3.4869 V1 30.223
 RP 107.80 LAP 3.18 LOP 187.05 VP 37.919 GAP -4.62 AZP 91.44 TAL 215.34 TAP 329.70 RCA 105.49 APO 153.61 V2 35.155
 RC 65.219 GL 21.88 GP -2.19 ZAL 136.14 ZAP 39.17 ETS 1.61 ZAE 153.41 ETE 336.76 ZAC 64.04 ETC 161.94 CLP -39.12

PLANETOCENTRIC CONIC

C3 20.342 VML 4.510 DLA -.07 RAL 290.03 RAD 6567.8 VEL 11.905 PTH 2.12 VHP 4.190 DPA -17.29 RAP 331.96 ECC 1.3348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 9 2216.37 -19.61 41.59 151.56 110.84 2 25 6 1616.4 -16.60 34.21
 90.00 13 45 12 4864.51 19.71 210.81 151.59 69.25 15 6 17 4264.5 16.71 203.42
 100.00 3 9 28 1954.09 -20.65 21.87 151.12 112.10 3 42 2 1354.1 -17.47 14.52
 100.00 15 6 35 4602.03 20.75 191.07 151.15 67.99 16 23 17 4002.0 17.58 183.71
 110.00 4 17 38 1740.69 -23.43 4.34 149.79 115.63 4 46 39 1140.7 -19.79 357.10
 110.00 16 14 54 4388.19 23.54 173.52 149.83 64.46 17 28 2 3788.2 19.90 166.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2039 TRA -.2747 TC3 .5652 BAU .1658 SGT 669.9 SGR 360.6 SG3 405.2 ST 279.8 SR 295.6 SS 655.7
 RDE -.2326 RRA .0133 RC3 -.2284 FAU .10618 RRT -.1423 RRF .1758 RTF -.6365 CRT .9179 CRS .9679 CST .8030
 FDE 1.3763 FRA -1.1985 FC3-4.5188 BSP 1890 SGB 760.8 R23 -.0501 R13 .6404 LSA 754.1 MSA 163.0 SSA 22.8
 BDE .3093 BRA .2750 BC3 .6096 FSP -1205 SG1 672.7 SG2 355.5 THA 173.91 EL1 398.6 EL2 82.4 ALF 46.71

LAUNCH DATE DEC 5 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 258.110

RL 147.41 LAL .00 LOL 72.65 VL 27.909 GAL -7.20 AZL 86.50 HCA 117.59 SMA 129.90 ECC .18335 INC 3.5022 V1 30.223
 RP 107.83 LAP 3.10 LOP 190.29 VP 37.945 GAP -4.01 AZP 91.62 TAL 215.95 TAP 333.54 RCA 106.08 APO 153.72 V2 35.143
 RC 67.327 GL 22.15 GP -2.39 ZAL 136.48 ZAP 43.49 ETS 1.38 ZAE 155.50 ETE 334.86 ZAC 63.05 ETC 161.57 CLP -43.44

PLANETOCENTRIC CONIC

C3 20.128 VML 4.486 DLA .12 RAL 289.50 RAD 6567.8 VEL 11.896 PTH 2.11 VHP 3.943 DPA -17.85 RAP 330.95 ECC 1.3313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 37 2219.76 -19.69 41.81 150.90 110.77 2 21 37 1619.8 -16.69 34.42
 90.00 13 44 30 4856.07 19.51 210.27 150.84 69.06 15 5 26 4256.1 16.49 202.90
 100.00 3 6 1 1957.19 -20.73 22.07 150.47 112.03 3 38 38 1357.2 -17.56 14.71
 100.00 15 5 47 4593.87 20.54 190.56 150.40 67.80 16 22 21 3993.9 17.35 183.22
 110.00 4 14 24 1743.16 -23.51 4.50 149.14 115.56 4 43 27 1143.2 -19.87 357.25
 110.00 16 13 54 4380.67 23.32 173.04 149.08 64.26 17 26 54 3780.7 19.66 165.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1850 TRA -.2859 TC3 .5063 BAU .1502 SGT 628.9 SGR 352.2 SG3 455.5 ST 260.8 SR 281.9 SS 702.0
 RDE -.2207 RRA .0092 RC3 -.2351 FAU .11809 RRT -.1514 RRF .2050 RTF -.5727 CRT .8993 CRS .9659 CST .7700
 FDE 1.5561 FRA -1.3742 FC3-5.0792 BSP 1677 SGB 720.8 R23 -.0812 R13 .5794 LSA 782.3 MSA 166.6 SSA 22.0
 BDE .2879 BRA .2860 BC3 .5582 FSP -1368 SG1 632.1 SG2 346.4 THA 173.06 EL1 374.3 EL2 85.9 ALF 47.48

LAUNCH DATE DEC 5 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 9 1966

DISTANCE 264.676

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.950 GAL -7.19 AZL 86.48 MCA 120.82 SMA 130.19 ECC .18134 INC 3.5185 V1 30.223
 RP 107.87 LAP 3.02 LOP 193.52 VP 37.964 GAP -3.44 AZP 91.80 TAL 216.44 TAP 337.25 RCA 106.58 APO 153.80 V2 35.132
 RC 69.470 GL 22.41 GP -2.62 ZAL 136.71 ZAP 48.08 ETS 1.13 ZAE 157.86 ETE 332.14 ZAC 61.83 ETC 161.11 CLP -48.02

PLANETOCENTRIC CONIC
 C3 19.933 VHL 4.465 DLA .33 RAL 289.09 RAD 6567.8 VEL 11.888 PTH 2.11 VMP 3.723 CPA -18.51 RAP 329.68 ECC 1.3281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 28 2223.66 -19.79 42.06 150.37 110.68 2 18 32 1623.7 -16.80 34.66
 90.00 13 44 19 4847.55 19.30 209.74 150.22 68.87 15 5 7 4247.5 16.26 202.38
 100.00 3 2 58 1960.79 -20.82 22.30 149.94 111.94 3 35 39 1360.8 -17.66 14.93
 100.00 15 5 31 4585.65 20.33 190.04 149.78 67.60 16 21 56 3985.7 17.12 182.72
 110.00 4 11 33 1746.09 -23.59 4.68 148.63 115.48 4 40 40 1146.1 -19.97 357.42
 110.00 16 13 25 4373.12 23.09 172.57 148.45 64.07 17 26 18 3773.1 19.41 165.36

DIFFERENTIAL CORRECTIONS
 TDE -.1605 TRA -.3040 TC3 .4286 BAU .1312 SGT 584.0 SGR 343.5 SG3 509.2 ST 237.2 SR 266.9 SS 749.2
 RDE -.2079 RRA .0052 RC3 -.2421 FAU .13071 RRT -.1515 RRF .2388 RTF -.4715 CRT .8633 CRS .9641 CST .7134
 FDE 1.7501 FRA-1.5574 FC3-5.6769 BSP 1408 SGB 677.5 R23 -.1327 R13 .4831 LSA 812.1 MSA 169.9 SSA 21.2
 BDE .2626 BRA .3040 BC3 .4922 FSP -1544 SG1 587.4 SG2 337.5 THA 172.38 EL1 344.8 EL2 92.7 ALF 48.90

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 11 1966

DISTANCE 271.211

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.982 GAL -7.16 AZL 86.46 MCA 124.04 SMA 130.42 ECC .17961 INC 3.5359 V1 30.223
 RP 107.90 LAP 2.93 LOP 196.74 VP 37.977 GAP -2.89 AZP 91.98 TAL 216.80 TAP 340.84 RCA 106.99 APO 153.84 V2 35.120
 RC 71.643 GL 22.66 GP -2.86 ZAL 136.85 ZAP 52.91 ETS .86 ZAE 160.44 ETE 328.21 ZAC 60.37 ETC 160.54 CLP -52.86

PLANETOCENTRIC CONIC
 C3 19.752 VHL 4.444 DLA .54 RAL 288.78 RAD 6567.8 VEL 11.880 PTH 2.11 VMP 3.529 CPA -19.26 RAP 328.15 ECC 1.3251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 40 2228.10 -19.89 42.34 149.97 110.58 2 15 48 1628.1 -16.92 34.93
 90.00 13 44 40 4838.77 19.08 209.18 149.72 68.67 15 5 19 4238.8 16.02 201.85
 100.00 3 0 15 1964.92 -20.93 22.56 149.54 111.85 3 33 0 1364.9 -17.78 15.18
 100.00 15 5 46 4577.19 20.11 189.51 149.28 67.41 16 22 3 3977.2 16.87 182.21
 110.00 4 9 5 1749.51 -23.69 4.90 148.24 115.39 4 38 14 1149.5 -20.08 357.62
 110.00 16 13 26 4365.37 22.86 172.09 147.94 63.87 17 26 12 3765.4 19.16 164.91

DIFFERENTIAL CORRECTIONS
 TDE -.1289 TRA -.3282 TC3 .3333 BAU .1100 SGT 542.6 SGR 334.7 SG3 565.5 ST 209.3 SR 250.8 SS 794.6
 RDE -.1944 RRA .0013 RC3 -.2496 FAU .14397 RRT -.1365 RRF .2789 RTF -.3170 CRT .7913 CRS .9621 CST .6105
 FDE 1.9481 FRA-1.7473 FC3-6.3103 BSP 1108 SGB 637.5 R23 -.2115 R13 .3351 LSA 841.4 MSA 172.3 SSA 20.5
 BDE .2333 BRA .3282 BC3 .4164 FSP -1738 SG1 545.6 SG2 329.8 THA 172.39 EL1 309.8 EL2 103.6 ALF 51.47

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 13 1966

DISTANCE 277.717

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.007 GAL -7.13 AZL 86.45 MCA 127.26 SMA 130.60 ECC .17813 INC 3.5547 V1 30.223
 RP 107.94 LAP 2.83 LOP 199.97 VP 37.984 GAP -2.36 AZP 92.15 TAL 217.05 TAP 344.31 RCA 107.33 APO 153.86 V2 35.108
 RC 73.845 GL 22.92 GP -3.13 ZAL 136.88 ZAP 57.98 ETS .55 ZAE 163.14 ETE 322.43 ZAC 58.70 ETC 159.85 CLP -57.93

PLANETOCENTRIC CONIC
 C3 19.580 VHL 4.425 DLA .77 RAL 288.58 RAD 6567.8 VEL 11.873 PTH 2.11 VMP 3.362 CPA -20.10 RAP 326.38 ECC 1.3222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 9 2233.15 -20.01 42.66 149.68 110.46 2 13 22 1633.2 -17.05 35.24
 90.00 13 45 34 4829.55 18.85 208.60 149.33 68.47 15 6 4 4229.6 15.76 201.29
 100.00 2 57 51 1969.62 -21.05 22.86 149.26 111.73 3 30 41 1369.6 -17.91 15.47
 100.00 15 6 34 4568.32 19.88 188.95 148.89 67.20 16 22 42 3968.3 16.62 181.67
 110.00 4 6 55 1753.44 -23.81 5.15 147.96 115.29 4 36 8 1153.4 -20.20 357.86
 110.00 16 13 39 4357.26 22.62 171.59 147.54 63.66 17 26 36 3757.3 18.89 164.43

DIFFERENTIAL CORRECTIONS
 TDE -.0921 TRA -.3613 TC3 .2146 BAU .0876 SGT 518.9 SGR 325.8 SG3 621.5 ST 184.3 SR 233.3 SS 840.9
 RDE -.1801 RRA -.0022 RC3 -.2569 FAU .15699 RRT -.0829 RRF .3215 RTF -.0890 CRT .6487 CRS .9607 CST .4288
 FDE 2.1549 FRA-1.9264 FC3-6.9416 BSP 733 SGB 612.7 R23 -.3100 R13 .1056 LSA 874.4 MSA 174.7 SSA 19.6
 BDE .2023 BRA .3613 BC3 .3348 FSP -1925 SG1 520.0 SG2 323.9 THA 175.12 EL1 271.9 EL2 120.4 ALF 55.09

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 15 1966

DISTANCE 284.192

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.025 GAL -7.09 AZL 86.42 MCA 130.48 SMA 130.73 ECC .17687 INC 3.5751 V1 30.223
 RP 107.98 LAP 2.72 LOP 203.19 VP 37.986 GAP -1.85 AZP 92.32 TAL 217.17 TAP 347.65 RCA 107.61 APO 153.85 V2 35.095
 RC 76.070 GL 23.18 GP -3.42 ZAL 136.82 ZAP 63.25 ETS .21 ZAE 165.79 ETE 313.72 ZAC 56.86 ETC 159.03 CLP -63.20

PLANETOCENTRIC CONIC
 C3 19.412 VHL 4.406 DLA 1.02 RAL 288.47 RAD 6567.8 VEL 11.866 PTH 2.10 VMP 3.223 CPA -21.00 RAP 324.39 ECC 1.3195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 53 2238.87 -20.15 43.03 149.50 110.33 2 11 12 1638.9 -17.20 35.59
 90.00 13 47 1 4819.76 18.61 207.99 149.04 68.26 15 7 21 4219.8 15.49 200.70
 100.00 2 55 42 1974.97 -21.18 23.20 149.08 111.60 3 28 37 1375.0 -18.06 15.79
 100.00 15 7 53 4558.90 19.63 188.36 148.59 66.99 16 23 52 3958.9 16.34 181.11
 110.00 4 5 2 1757.95 -23.94 5.43 147.79 115.16 4 34 20 1158.0 -20.35 358.13
 110.00 16 15 3 4348.67 22.36 171.06 147.24 63.44 17 27 31 3748.7 18.61 163.93

DIFFERENTIAL CORRECTIONS
 TDE -.0479 TRA -.4008 TC3 .0771 BAU .0715 SGT 529.4 SGR 317.1 SG3 676.3 ST 168.4 SR 215.1 SS 883.1
 RDE -.1653 RRA -.0056 RC3 -.2644 FAU .16970 RRT .0080 RRF .3690 RTF .1879 CRT .3789 CRS .9589 CST .1179
 FDE 2.3513 FRA-2.0976 FC3-7.5683 BSP 425 SGB 617.1 R23 .3667 R13 .1895 LSA 907.2 MSA 176.1 SSA 18.8
 BDE .1721 BRA .4009 BC3 .2754 FSP -2119 SG1 529.4 SG2 317.1 THA .43 EL1 231.7 EL2 144.6 ALF 61.58

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.036 GAL -7.04 AZL 86.40 HCA 133.70 SMA 130.81 ECC .17579 INC 3.5976 V1 30.223
 RP 108.02 LAP 2.60 LOP 206.40 VP 37.983 GAP -1.36 A7P 92.49 TAL 217.19 TAP 350.89 RCA 107.82 APO 153.81 V2 35.082
 RC 78.316 GL 23.45 GP -3.73 ZAL 136.67 ZAP 68.68 ETS 359.82 ZAE 168.07 ETE 300.52 ZAC 54.89 ETC 158.07 CLP -68.63

DISTANCE 290.637

PLANETOCENTRIC CONIC
 C3 19.246 VHL 4.387 OLA 1.29 RAL 288.47 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 3.110 DPA -21.94 RAP 322.22 ECC 1.3167
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 50 2245.36 -20.30 43.44 149.43 110.17 2 9 15 1645.4 -17.37 35.99
 90.00 13 49 2 4809.21 18.34 207.33 148.84 68.04 15 9 11 4209.2 15.20 200.06
 100.00 2 53 46 1981.05 -21.33 23.58 149.01 111.45 3 26 47 1381.0 -18.23 16.16
 100.00 15 9 46 4548.76 19.36 187.73 148.39 66.77 16 25 35 3948.8 16.05 180.50
 110.00 4 3 24 1763.12 -24.09 5.76 147.73 115.02 4 32 47 1163.1 -20.51 358.44
 110.00 16 16 38 4339.45 22.07 170.49 147.04 63.21 17 28 58 3739.5 18.30 163.39

DIFFERENTIAL CORRECTIONS
 TDE .0014 TRA -.4483 TC3 -.0825 BAU .0729 SGT 590.1 SGR 308.2 SG3 725.8 ST 175.7 SR 196.0 SS 923.8
 RDE -.1499 RRA -.0083 RC3 -.2710 FAU .18096 RRT .1276 RRF .4174 RTF .4509 CRT .0065 CRS .9576 CST -.2660
 FDE 2.5402 FRA -2.2378 FC3 -8.1398 BSP 559 SGB 665.8 R23 .3413 R13 .4674 LSA 943.8 MSA 177.6 SSA 17.8
 BDE .1499 BRA .4484 BC3 .2833 FSP -2286 SG1 591.9 SG2 304.8 THA 5.19 EL1 196.0 EL2 175.7 ALF 88.29

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.042 GAL -6.99 AZL 86.38 HCA 136.91 SMA 130.85 ECC .17486 INC 3.6226 V1 30.223
 RP 108.06 LAP 2.47 LOP 209.62 VP 37.975 GAP -.89 A7P 92.65 TAL 217.10 TAP 354.01 RCA 107.97 APO 153.73 V2 35.069
 RC 80.581 GL 23.74 GP -4.06 ZAL 136.42 ZAP 74.20 ETS 359.39 ZAE 169.50 ETE 281.68 ZAC 52.85 ETC 156.97 CLP -74.16

DISTANCE 297.053

PLANETOCENTRIC CONIC
 C3 19.081 VHL 4.368 OLA 1.60 RAL 288.55 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 3.023 DPA -22.91 RAP 319.93 ECC 1.3140
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 55 2252.75 -20.48 43.91 149.45 110.00 2 7 27 1652.7 -17.57 36.45
 90.00 13 51 37 4797.75 18.05 206.62 148.73 67.80 15 11 35 4197.8 14.88 199.37
 100.00 2 52 0 1987.97 -21.50 24.03 149.04 111.28 3 25 8 1388.0 -18.42 16.59
 100.00 15 12 13 4537.76 19.06 187.05 148.28 66.53 16 27 51 3937.8 15.72 179.85
 110.00 4 1 57 1769.03 -24.26 6.13 147.76 114.86 4 31 26 1169.0 -20.70 358.79
 110.00 16 18 46 4329.47 21.77 169.88 146.91 62.97 17 30 55 3729.5 17.97 162.81

DIFFERENTIAL CORRECTIONS
 TDE .0567 TRA -.5016 TC3 -.2600 BAU .0969 SGT 700.2 SGR 299.5 SG3 768.2 ST 211.1 SR 176.2 SS 960.2
 RDE -.1342 RRA -.0106 RC3 -.2769 FAU .19041 RRT .2432 RRF .4671 RTF .6432 CRT -.3282 CRS .9564 CST -.5770
 FDE 2.7070 FRA -2.3456 FC3 -8.6392 BSP 1084 SGB 761.6 R23 .2869 R13 .6587 LSA 982.5 MSA 178.6 SSA 16.9
 BDE .1456 BRA .5017 BC3 .3798 FSP -2430 SG1 704.8 SG2 288.6 THA 7.14 EL1 227.5 EL2 154.4 ALF 149.49

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.043 GAL -6.92 AZL 86.35 HCA 140.12 SMA 130.86 ECC .17407 INC 3.6508 V1 30.223
 RP 108.10 LAP 2.34 LOP 212.83 VP 37.963 GAP -.44 A7P 92.80 TAL 216.90 TAP 357.02 RCA 108.08 APO 153.64 V2 35.056
 RC 82.862 GL 24.05 GP -4.41 ZAL 136.09 ZAP 79.74 ETS 358.92 ZAE 169.53 ETE 259.58 ZAC 50.81 ETC 155.73 CLP -79.71

DISTANCE 303.440

PLANETOCENTRIC CONIC
 C3 18.916 VHL 4.349 OLA 1.94 RAL 288.72 RAD 6567.8 VEL 11.845 PTH 2.10 VHP 2.962 DPA -23.89 RAP 317.58 ECC 1.3113
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 5 2261.17 -20.67 44.45 149.57 109.79 2 5 46 1661.2 -17.79 36.97
 90.00 13 54 48 4785.24 17.72 205.84 148.70 67.55 15 14 33 4185.2 14.53 198.62
 100.00 2 50 19 1995.89 -21.70 24.53 149.16 111.08 3 23 35 1395.9 -18.64 17.08
 100.00 15 15 15 4525.75 18.73 186.31 148.24 66.27 16 30 41 3925.7 15.37 179.13
 110.00 4 0 38 1775.82 -24.45 6.57 147.90 114.67 4 30 14 1175.8 -20.92 359.20
 110.00 16 21 25 4318.59 21.43 169.21 146.87 62.71 17 33 24 3718.6 17.60 162.18

DIFFERENTIAL CORRECTIONS
 TDE .1173 TRA -.5590 TC3 -.4514 BAU .1346 SGT 849.1 SGR 291.1 SG3 802.2 ST 259.9 SR 156.2 SS 988.7
 RDE -.1184 RRA -.0124 RC3 -.2820 FAU .19789 RRT .3410 RRF .5188 RTF .7640 CRT -.5436 CRS .9546 CST -.7591
 FDE 2.8350 FRA -2.4222 FC3 -9.0568 BSP 1708 SGB 897.6 R23 .2430 R13 .7747 LSA 1021.1 MSA 178.7 SSA 15.9
 BDE .1666 BRA .5591 BC3 .5323 FSP -2560 SG1 855.5 SG2 271.6 THA 7.42 EL1 286.3 EL2 123.6 ALF 158.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.039 GAL -6.85 AZL 86.32 HCA 143.33 SMA 130.83 ECC .17340 INC 3.6830 V1 30.223
 RP 108.14 LAP 2.20 LOP 216.04 VP 37.948 GAP -.01 A7P 92.96 TAL 216.61 TAP 359.94 RCA 108.14 APO 153.51 V2 35.043
 RC 85.157 GL 24.39 GP -4.79 ZAL 135.66 ZAP 85.24 ETS 358.41 ZAE 168.10 ETE 240.14 ZAC 48.85 ETC 154.38 CLP -85.22

DISTANCE 309.799

PLANETOCENTRIC CONIC
 C3 18.751 VHL 4.330 OLA 2.31 RAL 288.97 RAD 6567.8 VEL 11.838 PTH 2.10 VHP 2.925 DPA -24.85 RAP 315.26 ECC 1.3086
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 17 2270.85 -20.89 45.08 149.78 109.56 2 4 8 1670.9 -18.04 37.57
 90.00 13 58 37 4771.45 17.36 204.99 148.74 67.27 15 18 9 4171.4 14.13 197.80
 100.00 2 48 42 2005.00 -21.92 25.12 149.38 110.85 3 22 7 1405.0 -18.89 17.64
 100.00 15 18 53 4512.53 18.37 185.49 148.29 65.99 16 34 6 3912.5 14.97 178.35
 110.00 3 59 25 1783.66 -24.67 7.07 148.13 114.45 4 29 9 1183.7 -21.16 359.68
 110.00 16 24 40 4306.63 21.05 168.49 146.91 62.43 17 36 26 3706.6 17.19 161.49

DIFFERENTIAL CORRECTIONS
 TDE .1817 TRA -.6196 TC3 -.6548 BAU .1791 SGT 1026.0 SGR 282.9 SG3 825.3 ST 344.5 SR 135.7 SS 1012.1
 RDE -.1024 RRA -.0137 RC3 -.2860 FAU .20265 RRT .4230 RRF .5703 RTF .8360 CRT -.6650 CRS .9527 CST -.8525
 FDE 2.9296 FRA -2.4534 FC3 -9.3563 BSP 2389 SGB 1064.3 R23 .2134 R13 .8429 LSA 1062.7 MSA 178.4 SSA 14.9
 BDE .2086 BRA .6198 BC3 .7146 FSP -2651 SG1 1033.4 SG2 254.5 THA 7.08 EL1 357.2 EL2 97.8 ALF 164.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.030 GAL -6.77 AZL 86.28 HCA 146.54 SMA 130.76 ECC .17283 INC 3.7205 V1 30.223
 RP 108.18 LAP 2.05 LOP 219.25 VP 37.929 GAP .41 AZP 93.11 TAL 216.22 TAP 2.76 RCA 108.16 APO 153.37 V2 35.030
 RC 87.465 GL 24.77 GP -5.22 ZAL 135.15 ZAP 90.62 ETS 95.78 ZAE 165.67 ETE 226.32 ZAC 47.03 ETC 152.92 CLP -90.63

PLANETOCENTRIC CONIC
 C3 18.589 VHL 4.312 DLA 2.74 RAL 289.31 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 2.911 DPA -25.79 RAP 313.03 ECC 1.3059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 25 2282.07 -21.15 45.80 150.09 109.28 2 2 27 1682.1 -18.32 38.27
 90.00 14 3 7 4756.15 16.96 204.05 148.87 66.98 15 22 23 4156.1 13.70 196.89
 100.00 2 47 3 2015.57 -22.18 25.80 149.69 110.57 3 20 38 1415.6 -19.18 18.29
 100.00 15 23 11 4497.87 17.96 184.60 148.41 65.70 16 38 9 3897.9 14.53 177.49
 110.00 3 58 13 1792.80 -24.93 7.65 148.45 114.18 4 28 6 1192.8 -21.45 .23
 110.00 16 28 30 4293.41 20.63 167.69 147.02 62.12 17 40 3 3693.4 16.74 160.73

DIFFERENTIAL CORRECTIONS
 TDE .2490 TRA -.6822 TC3 -.8666 BAU .2270 SGT 1221.4 SGR 274.7 SG3 836.4 ST 429.1 SR 114.7 SS 1031.0
 RDE -.0861 RRA -.0144 RC3 -.2888 FAU .20440 RRT .4939 RRF .6213 RTF .8791 CRT -.7332 CRS .9504 CST -.9014
 FDE 2.9909 FRA -2.4387 FC3 -9.5191 BSP 3106 SGB 1251.9 R23 .1955 R13 .8837 LSA 1108.3 MSA 178.0 SSA 13.8
 BDE .2634 BRA .6824 BC3 .9135 FSP -2697 SG1 1229.2 SG2 237.4 THA 6.59 EL1 437.5 EL2 76.5 ALF 168.55

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.017 GAL -6.68 AZL 86.24 HCA 149.74 SMA 130.67 ECC .17236 INC 3.7648 V1 30.223
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.908 GAP .81 AZP 93.25 TAL 215.75 TAP 5.49 RCA 108.15 APO 153.20 V2 35.016
 RC 89.783 GL 25.19 GP -5.69 ZAL 134.53 ZAP 95.82 ETS 357.22 ZAE 162.74 ETE 217.23 ZAC 45.42 ETC 151.38 CLP -95.85

PLANETOCENTRIC CONIC
 C3 18.432 VHL 4.293 DLA 3.23 RAL 289.71 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 2.917 DPA -26.73 RAP 310.96 ECC 1.3034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 25 2295.21 -21.44 46.65 150.49 108.95 2 0 40 1695.2 -18.66 39.09
 90.00 14 8 21 4739.04 16.50 203.00 149.06 66.66 15 27 20 4139.0 13.20 195.88
 100.00 2 45 16 2027.98 -22.47 26.61 150.10 110.25 3 19 4 1428.0 -19.51 19.06
 100.00 15 28 12 4481.50 17.50 183.60 148.60 65.37 16 42 53 3881.5 14.03 176.53
 110.00 3 56 58 1803.56 -25.23 8.35 148.87 113.87 4 27 1 1203.6 -21.78 .89
 110.00 16 32 59 4278.68 20.16 166.81 147.20 61.79 17 44 18 3678.7 16.24 159.89

DIFFERENTIAL CORRECTIONS
 TDE .3189 TRA -.7445 TC3 -1.0815 BAU .2760 SGT 1426.1 SGR 267.3 SG3 835.9 ST 520.6 SR 92.9 SS 1046.3
 RDE -.0693 RRA -.0148 RC3 -.2912 FAU .20330 RRT .5574 RRF .6728 RTF .9056 CRT -.7723 CRS .9469 CST -.9290
 FDE 3.0222 FRA -2.3784 FC3 -9.5488 BSP 3832 SGB 1450.9 R23 .1874 R13 .9088 LSA 1158.7 MSA 177.5 SSA 12.6
 BDE .3263 BRA .7447 BC3 1.1200 FSP -2699 SG1 1434.0 SG2 220.7 THA 6.11 EL1 525.5 EL2 58.5 ALF 172.05

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 28.001 GAL -6.58 AZL 86.18 HCA 152.94 SMA 130.56 ECC .17197 INC 3.8185 V1 30.223
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.883 GAP 1.19 AZP 93.40 TAL 215.19 TAP 8.14 RCA 108.10 APO 153.01 V2 35.003
 RC 92.112 GL 25.67 GP -6.25 ZAL 133.82 ZAP 100.80 ETS 356.52 ZAE 159.62 ETE 211.29 ZAC 44.08 ETC 149.78 CLP -100.86

PLANETOCENTRIC CONIC
 C3 18.287 VHL 4.276 DLA 3.79 RAL 290.18 RAD 6567.7 VEL 11.818 PTH 2.09 VHP 2.941 DPA -27.67 RAP 309.13 ECC 1.3010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 7 2310.82 -21.78 47.67 151.00 108.55 1 58 38 1710.8 -19.05 40.07
 90.00 14 14 26 4719.71 15.97 201.83 149.33 66.30 15 33 6 4119.7 12.64 194.74
 100.00 2 43 14 2042.73 -22.81 27.57 150.61 109.86 3 17 16 1442.7 -19.90 19.98
 100.00 15 34 1 4463.03 16.97 182.48 148.86 65.02 16 48 24 3863.0 13.46 175.45
 110.00 3 55 32 1816.41 -25.58 9.18 149.40 113.49 4 25 49 1216.4 -22.18 1.68
 110.00 16 38 11 4262.11 19.63 165.82 147.45 61.43 17 49 14 3662.1 15.66 158.95

DIFFERENTIAL CORRECTIONS
 TDE .3905 TRA -.8059 TC3 -1.2959 BAU .3249 SGT 1634.9 SGR 262.0 SG3 826.4 ST 616.6 SR 70.3 SS 1054.9
 RDE -.0520 RRA -.0153 RC3 -.2943 FAU .20015 RRT .6181 RRF .7270 RTF .9227 CRT -.7885 CRS .9380 CST -.9461
 FDE 3.0150 FRA -2.2943 FC3 -9.4753 BSP 4563 SGB 1655.8 R23 .1877 R13 .9251 LSA 1211.1 MSA 176.3 SSA 11.4
 BDE .3939 BRA .8060 BC3 1.3289 FSP -2686 SG1 1643.1 SG2 205.0 THA 5.75 EL1 619.1 EL2 43.1 ALF 174.83

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 116.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.982 GAL -6.47 AZL 86.11 HCA 156.14 SMA 130.42 ECC .17166 INC 3.8853 V1 30.223
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.857 GAP 1.56 AZP 93.55 TAL 214.56 TAP 10.70 RCA 108.03 APO 152.80 V2 34.990
 RC 94.449 GL 26.24 GP -6.93 ZAL 133.00 ZAP 105.49 ETS 355.72 ZAE 156.48 ETE 207.40 ZAC 43.05 ETC 148.13 CLP -105.61

PLANETOCENTRIC CONIC
 C3 18.161 VHL 4.262 DLA 4.44 RAL 290.72 RAD 6567.7 VEL 11.813 PTH 2.09 VHP 2.983 DPA -28.65 RAP 307.59 ECC 1.2989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 20 2329.74 -22.19 48.91 151.62 108.06 1 56 9 1729.7 -19.51 41.26
 90.00 14 21 32 4697.55 15.36 200.49 149.67 65.92 15 39 49 4097.5 11.98 193.44
 100.00 2 40 45 2060.64 -23.22 28.74 151.24 109.37 3 15 6 1460.6 -20.37 21.11
 100.00 15 40 47 4441.88 16.36 181.21 149.20 64.63 16 54 49 3841.9 12.81 174.22
 110.00 3 53 47 1832.08 -26.00 10.20 150.05 113.02 4 24 19 1232.1 -22.66 2.64
 110.00 16 44 15 4243.20 19.01 164.71 147.77 61.04 17 54 58 3643.2 15.00 157.88

DIFFERENTIAL CORRECTIONS
 TDE .4649 TRA -.8645 TC3 -1.3048 BAU .3725 SGT 1842.5 SGR 259.4 SG3 806.8 ST 717.3 SR 45.8 SS 1064.3
 RDE -.0332 RRA -.0158 RC3 -.2988 FAU .19441 RRT .6768 RRF .7818 RTF .9336 CRT -.7736 CRS .9128 CST -.9568
 FDE 2.9960 FRA -2.1725 FC3 -9.2678 BSP 5274 SGB 1860.7 R23 .1944 R13 .9356 LSA 1272.2 MSA 175.6 SSA 10.1
 BDE .4661 BRA .8647 BC3 1.5341 FSP -2624 SG1 1850.9 SG2 190.1 THA 5.50 EL1 718.2 EL2 29.0 ALF 177.17

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.959 GAL -6.35 AZL 86.03 MCA 159.34 SMA 130.26 ECC .17142 INC 3.9714 V1 30.223
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.828 GAP 1.92 AZP 93.72 TAL 213.85 TAP 13.19 RCA 107.93 APO 152.58 V2 34.977
 RC 96.794 GL 26.92 GP -7.79 ZAL 132.05 ZAP 109.90 ETS 354.75 ZAE 153.40 ETE 204.94 ZAC 42.39 ETC 146.40 CLP-110.09

DISTANCE 341.188

PLANETOCENTRIC CONIC
 C3 18.068 VHL 4.251 DLA 5.23 RAL 291.32 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 3.040 DPA -29.76 RAP 306.36 ECC 1.2974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 45 2353.29 -22.67 50.46 152.37 107.43 1 52 58 1753.3 -20.08 42.75
 90.00 14 29 52 4671.63 14.64 198.93 150.10 65.49 15 47 44 4071.6 11.21 191.93
 100.00 2 37 34 2082.96 -23.72 30.21 152.00 108.74 3 12 17 1483.0 -20.94 22.52
 100.00 15 48 44 4417.18 15.63 179.74 149.62 64.19 17 2 22 3817.2 12.03 172.79
 110.00 3 51 28 1851.68 -26.52 11.49 150.84 112.41 4 22 19 1251.7 -23.24 3.86
 110.00 16 51 20 4221.23 18.28 163.42 148.17 60.60 18 1 41 3621.2 14.22 156.65

DIFFERENTIAL CORRECTIONS
 TDE .5422 TRA -.9214 TC3-1.7064 BAU .4188
 RDE -.0126 RRA -.0173 RC3 -.3075 FAU .18744
 FDE 2.9558 FRA-2.0417 FC3-8.9812 BSP 5988
 BDE .5424 BRA .9216 BC3 1.7339 FSP -2558

MID-COURSE EXECUTION ACCURACY
 SGT 2047.9 SGR 263.0 SG3 781.5
 RRT .7351 RRF .8378 RTF .9412
 SGB 2064.8 R23 .2074 R13 .9430
 SGI 2057.1 SG2 177.5 THA 5.43

ORBIT DETERMINATION ACCURACY
 ST 822.2 SR 20.0 SS 1070.5
 CRT -.5752 CRS .7376 CST -.9644
 LSA 1338.6 MSA 174.3 SSA 8.7
 EL1 822.3 EL2 16.3 ALF 179.20

LAUNCH DATE DEC 5 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.934 GAL -6.23 AZL 85.91 MCA 162.54 SMA 130.08 ECC .17124 INC 4.0873 V1 30.223
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.797 GAP 2.27 AZP 93.90 TAL 213.08 TAP 15.62 RCA 107.80 APO 152.35 V2 34.964
 RC 99.145 GL 27.78 GP -8.95 ZAL 130.95 ZAP 113.97 ETS 353.52 ZAE 150.38 ETE 203.60 ZAC 42.17 ETC 144.55 CLP-114.28

DISTANCE 347.392

PLANETOCENTRIC CONIC
 C3 18.036 VHL 4.247 DLA 6.21 RAL 291.97 RAD 6567.7 VEL 11.808 PTH 2.09 VHP 3.111 DPA -31.08 RAP 305.50 ECC 1.2968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 53 2383.71 -23.28 52.49 153.30 106.59 1 48 37 1783.7 -20.79 44.70
 90.00 14 39 53 4640.35 13.75 197.07 150.62 65.00 15 57 14 4040.4 10.26 190.12
 100.00 2 33 10 2111.83 -24.34 32.13 152.94 107.91 3 8 22 1511.8 -21.66 24.36
 100.00 15 58 17 4387.46 14.74 177.98 150.12 63.70 17 11 24 3787.5 11.09 171.09
 110.00 3 48 10 1877.12 -27.16 13.19 151.82 111.60 4 19 27 1277.1 -23.99 5.46
 110.00 16 59 47 4194.93 17.39 161.90 148.65 60.10 18 9 42 3594.9 13.28 155.19

DIFFERENTIAL CORRECTIONS
 TDE .6268 TRA -.9748 TC3-1.8915 BAU .4626
 RDE .0119 RRA -.0197 RC3 -.3222 FAU .17860
 FDE 2.9224 FRA-1.8890 FC3-8.5732 BSP 6655
 BDE .6269 BRA .9750 BC3 1.9187 FSP -2452

MID-COURSE EXECUTION ACCURACY
 SGT 2246.4 SGR 275.5 SG3 748.9
 RRT .7899 RRF .8900 RTF .9462
 SGB 2263.2 R23 .2257 R13 .9478
 SGI 2257.0 SG2 168.1 THA 5.56

ORBIT DETERMINATION ACCURACY
 ST 935.4 SR 19.8 SS 1081.5
 CRT .9297 CRS -.8980 CST -.9699
 LSA 1419.5 MSA 173.5 SSA 7.3
 EL1 935.6 EL2 7.3 ALF 1.13

LAUNCH DATE DEC 5 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.906 GAL -6.09 AZL 85.75 MCA 165.73 SMA 129.88 ECC .17113 INC 4.2530 V1 30.223
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.765 GAP 2.60 AZP 94.12 TAL 212.24 TAP 17.97 RCA 107.65 APO 152.11 V2 34.951
 RC 101.502 GL 28.92 GP -10.60 ZAL 129.64 ZAP 117.68 ETS 351.85 ZAE 147.37 ETE 203.33 ZAC 42.50 ETC 142.44 CLP-118.20

DISTANCE 353.572

PLANETOCENTRIC CONIC
 C3 18.112 VHL 4.256 DLA 7.49 RAL 292.64 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 3.199 DPA -32.84 RAP 305.05 ECC 1.2981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 46 2425.15 -24.06 55.28 154.48 105.40 1 42 11 1825.2 -21.71 47.39
 90.00 14 52 25 4600.88 12.60 194.74 151.26 64.43 16 9 5 4000.9 9.05 187.85
 100.00 2 26 43 2151.21 -25.14 34.79 154.14 106.73 3 2 34 1551.2 -22.60 26.90
 100.00 16 10 9 4350.06 13.60 175.79 150.75 63.12 17 22 40 3750.1 9.89 168.96
 110.00 3 43 10 1911.94 -28.01 15.54 153.06 110.44 4 15 2 1311.9 -24.97 7.69
 110.00 17 10 12 4162.08 16.27 160.01 149.24 59.51 18 19 34 3562.1 12.10 153.39

DIFFERENTIAL CORRECTIONS
 TDE .7226 TRA -1.0276 TC3-2.0555 BAU .5048
 RDE .0428 RRA -.0248 RC3 -.3490 FAU .16890
 FDE 2.8914 FRA-1.7393 FC3-8.0735 BSP 7321
 BDE .7239 BRA 1.0279 BC3 2.0849 FSP -2345

MID-COURSE EXECUTION ACCURACY
 SGT 2440.2 SGR 304.4 SG3 712.2
 RRT .8382 RRF .9344 RTF .9498
 SGB 2459.1 R23 .2469 R13 .9516
 SGI 2453.6 SG2 165.1 THA 6.00

ORBIT DETERMINATION ACCURACY
 ST 1050.4 SR 59.2 SS 1095.1
 CRT .9682 CRS -.9951 CST -.9746
 LSA 1515.8 MSA 172.0 SSA 5.8
 EL1 1062.0 EL2 14.8 ALF 3.09

LAUNCH DATE DEC 5 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.876 GAL -5.95 AZL 85.49 MCA 168.92 SMA 129.67 ECC .17109 INC 4.5118 V1 30.223
 RP 108.46 LAP .87 LOP 241.60 VP 37.732 GAP 2.92 AZP 94.43 TAL 211.34 TAP 20.26 RCA 107.48 APO 151.85 V2 34.939
 RC 103.862 GL 30.56 GP -13.17 ZAL 128.02 ZAP 120.93 ETS 349.38 ZAE 144.18 ETE 204.31 ZAC 43.65 ETC 139.79 CLP-121.86

DISTANCE 359.729

PLANETOCENTRIC CONIC
 C3 18.409 VHL 4.291 DLA 9.27 RAL 293.32 RAD 6567.7 VEL 11.823 PTH 2.09 VHP 3.310 DPA -35.45 RAP 305.10 ECC 1.3030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 26 2486.44 -25.10 59.46 156.08 103.55 1 31 53 1886.4 -22.99 51.43
 90.00 15 9 10 4547.20 11.00 191.60 152.10 63.74 16 24 57 3947.2 7.38 184.79
 100.00 2 16 19 2209.46 -26.22 38.78 155.77 104.90 2 53 9 1609.5 -23.92 30.74
 100.00 16 25 58 4299.42 12.03 172.85 151.57 62.43 17 37 37 3699.4 8.24 166.11
 110.00 3 34 54 1963.57 -29.19 19.10 154.76 108.63 4 7 37 1363.6 -26.37 11.05
 110.00 17 23 53 4118.07 14.73 157.53 150.01 58.80 18 32 31 3518.1 10.49 150.99

DIFFERENTIAL CORRECTIONS
 TDE .8430 TRA -1.0817 TC3-2.1782 BAU .5448
 RDE .0871 RRA -.0336 RC3 -.3942 FAU .15725
 FDE 2.8916 FRA-1.5813 FC3-7.3951 BSP 7953
 BDE .8475 BRA 1.0822 BC3 2.2135 FSP -2201

MID-COURSE EXECUTION ACCURACY
 SGT 2627.4 SGR 360.6 SG3 667.9
 RRT .8759 RRF .9662 RTF .9522
 SGB 2652.0 R23 .2664 R13 .9543
 SGI 2646.4 SG2 172.8 THA 6.88

ORBIT DETERMINATION ACCURACY
 ST 1209.7 SR 117.6 SS 1120.7
 CRT .9670 CRS -.9981 CST -.9787
 LSA 1644.4 MSA 170.8 SSA 4.4
 EL1 1215.0 EL2 29.8 ALF 5.37

LAUNCH DATE DEC 5 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.845 GAL -5.80 AZL 85.02 MCA 172.11 SMA 129.44 ECC .17110 INC 4.9758 V1 30.223
 RP 108.50 LAP .68 LOP 244.79 VP 37.697 GAP 3.24 AZP 94.93 TAL 210.39 TAP 22.49 RCA 107.30 APO 151.59 V2 34.926
 RC 106.225 GL 33.21 GP -17.69 ZAL 125.80 ZAP 123.41 ETS 345.22 ZAE 140.20 ETE 207.18 ZAC 46.34 ETC 135.99 CLP-125.31

PLANETOCENTRIC CONIC
 C3 19.247 VHL 4.387 DLA 12.09 RAL 293.93 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 3.468 OPA -39.93 RAP 305.93 ECC 1.3168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 46 2590.13 -26.56 66.71 158.58 100.20 1 12 56 1990.1 -24.88 58.44
 90.00 15 34 40 4464.46 8.47 186.84 153.39 62.88 16 49 4 3864.5 4.76 180.12
 100.00 1 57 17 2307.90 -27.75 45.69 158.32 101.57 2 35 45 1707.9 -25.88 37.39
 100.00 16 49 50 4221.92 9.55 168.44 152.81 61.54 18 0 12 3621.9 5.67 161.79
 110.00 3 19 28 2050.75 -30.93 25.29 157.45 105.34 3 53 38 1450.8 -28.51 16.92
 110.00 17 44 9 4051.83 12.36 153.86 151.14 57.87 18 51 41 3451.8 8.03 147.44

DIFFERENTIAL CORRECTIONS
 TOE 1.0177 TRA-1.1486 TC3-2.2219 BAU .5845 SGT 2814.4 SGR 471.3 SG3 611.2 ST 1407.8 SR 213.5 SS 1160.0
 ROE .1624 RRA -.0518 RC3 -.4732 FAU .14276 RRT .9027 RRF .9847 RTF .9546 CRT .9722 CRS -.9986 CST -.9831
 FDE 2.9285 FRA-1.4328 FC3-6.4214 BSP 8630 SGB 2853.6 R23 .2756 R13 .9576 LSA 1828.8 MSA 168.1 SSA 3.0
 BDE 1.0306 BRA 1.1498 BC3 2.2717 FSP -2032 SGI 2846.5 SG2 200.5 THA 8.64 EL1 1423.0 EL2 49.4 ALF 8.40

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.811 GAL -5.64 AZL 83.94 MCA 175.29 SMA 129.21 ECC .17118 INC 6.0617 V1 30.223
 RP 108.54 LAP .50 LOP 247.97 VP 37.661 GAP 3.54 AZP 96.04 TAL 209.38 TAP 24.67 RCA 107.09 APO 151.33 V2 34.914
 RC 108.588 GL 38.53 GP -27.53 ZAL 121.98 ZAP 123.69 ETS 336.80 ZAE 133.18 ETE 213.45 ZAC 53.10 ETC 129.58 CLP-128.72

PLANETOCENTRIC CONIC
 C3 22.009 VHL 4.691 DLA 17.59 RAL 294.25 RAD 6567.9 VEL 11.974 PTH 2.13 VHP 3.807 OPA -49.58 RAP 308.70 ECC 1.3622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 36 48 2818.53 -28.24 83.18 163.71 92.13 24 23 47 2218.5 -27.65 74.56
 90.00 16 26 14 4300.21 3.27 177.57 156.36 61.86 17 37 54 3700.2 -.52 170.94
 100.00 1 12 20 2523.15 -29.70 61.37 163.63 93.56 1 54 23 1923.1 -28.89 52.66
 100.00 17 37 19 4070.82 4.55 160.01 155.66 60.42 18 45 10 3470.8 .57 153.47
 110.00 2 43 5 2239.21 -33.47 39.38 163.21 97.38 3 20 24 1639.2 -32.09 30.42
 110.00 18 23 4 3927.52 7.78 147.15 153.67 56.61 19 28 31 3327.5 3.33 140.88

DIFFERENTIAL CORRECTIONS
 TOE 1.3642 TRA-1.2647 TC3-2.0475 BAU .6271 SGT 3015.3 SGR 702.3 SG3 510.4 ST 1736.6 SR 415.3 SS 1219.2
 ROE .3385 RRA -.0931 RC3 -.5915 FAU .11752 RRT .9201 RRF .9926 RTF .9579 CRT .9806 CRS -.9990 CST -.9883
 FDE 3.0067 FRA-1.2574 FC3-4.6230 BSP 9465 SGB 3096.0 R23 .2660 R13 .9631 LSA 2155.9 MSA 163.7 SSA 1.8
 BDE 1.4056 BRA 1.2681 BC3 2.1313 FSP -1718 SGI 3084.3 SG2 268.9 THA 12.19 EL1 1783.8 EL2 79.3 ALF 13.22

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.776 GAL -5.47 AZL 78.38 MCA 178.46 SMA 128.97 ECC .17131 INC11.6176 V1 30.223
 RP 108.58 LAP .31 LOP 251.15 VP 37.624 GAP 3.83 AZP 101.62 TAL 208.31 TAP 26.77 RCA 106.87 APO 151.06 V2 34.903
 RC 110.951 GL 54.66 GP -59.07 ZAL 110.56 ZAP 111.59 ETS 313.23 ZAE 109.09 ETE 219.67 ZAC 77.26 ETC 114.38 CLP-135.70

PLANETOCENTRIC CONIC
 C3 46.635 VHL 6.829 DLA 34.09 RAL 293.78 RAD 6568.7 VEL 12.961 PTH 2.36 VHP 6.271 OPA -79.43 RAP 338.74 ECC 1.7675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.18 17 31 14 4219.51 -16.66 182.81 177.55 59.82 18 41 34 3619.5 -20.55 175.84
 109.82 22 28 6 3274.55 -16.65 112.33 177.54 59.82 23 22 41 2674.6 -20.53 105.36
 70.18 17 31 14 4219.51 -16.66 182.81 177.55 59.82 18 41 34 3619.5 -20.55 175.84
 109.82 22 28 6 3274.55 -16.65 112.33 177.54 59.82 23 22 41 2674.6 -20.53 105.36
 110.00 22 48 40 3211.84 -18.70 108.66 178.77 60.85 23 42 12 2611.8 -22.43 101.52
 110.00 22 9 51 3330.22 -14.64 115.43 176.30 58.76 23 5 21 2730.2 -18.67 108.63

DIFFERENTIAL CORRECTIONS
 TOE 3.1618 TRA-1.6773 TC3 -1.8779 BAU .5876 SGT 3370.8 SGR 913.6 SG3 210.4 ST 2701.6 SR 780.3 SS 1133.5
 ROE .9293 RRA -.0881 RC3 -.3425 FAU .04087 RRT .9030 RRF .9761 RTF .9742 CRT .9879 CRS -.9975 CST -.9964
 FDE 2.4797 FRA -.7177 FC3 -.7587 BSP 9168 SGB 3492.4 R23 .1978 R13 .9799 LSA 3028.7 MSA 139.6 SSA 1.0
 BDE 3.2956 BRA 1.6796 BC3 .9424 FSP -633 SGI 3471.6 SG2 381.1 THA 13.92 EL1 2809.6 EL2 116.2 ALF 15.95

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.740 GAL -5.29 AZL 94.17 MCA 181.67 SMA 128.71 ECC .17158 INC 4.1613 V1 30.223
 RP 108.61 LAP .12 LOP 254.32 VP 37.587 GAP 4.12 AZP 85.83 TAL 207.23 TAP 28.91 RCA 106.63 APO 150.80 V2 34.892
 RC 113.313 GL -29.62 GP 55.57 ZAL 124.66 ZAP 114.75 ETS 37.92 ZAE 117.63 ETE 135.71 ZAC 47.80 ETC 223.06 CLP-137.77

PLANETOCENTRIC CONIC
 C3 16.534 VHL 4.066 DLA -48.36 RAL 313.59 RAD 6567.7 VEL 11.744 PTH 2.07 VHP 5.982 OPA 31.99 RAP 290.68 ECC 1.2721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.00 5 15 43 1591.39 33.81 27.66 187.04 126.91 5 42 14 991.4 38.35 19.92
 131.00 13 25 32 5392.49 33.82 249.00 187.05 126.90 14 55 25 4792.5 38.36 241.25
 49.00 5 15 43 1591.39 33.81 27.66 187.04 126.91 5 42 14 991.4 38.35 19.92
 131.00 13 25 32 5392.49 33.82 249.00 187.05 126.90 14 55 25 4792.5 38.36 241.25
 49.00 5 15 43 1591.39 33.81 27.66 187.04 126.91 5 42 14 991.4 38.35 19.92
 131.00 13 25 32 5392.49 33.82 249.00 187.05 126.90 14 55 25 4792.5 38.36 241.25

DIFFERENTIAL CORRECTIONS
 TOE -1.3521 TRA -.2714 TC3-2.9011 BAU .7208 SGT 3086.7 SGR 1458.8 SG3 232.4 ST 1914.3 SR 787.9 SS 761.3
 ROE .5566 RRA -.1030 RC3 1.4884 FAU .05252 RRT -.9382 RRF -.9988 RTF .9539 CRT -.9849 CRS -.9996 CST -.9894
 FDE -1.0427 FRA .1280 FC3-2.7499 BSP 9689 SGB 3414.0 R23 .2406 R13 -.9706 LSA 2200.4 MSA 152.9 SSA .5
 BDE 1.4622 BRA .2903 BC3 3.2607 FSP -702 SGI 3382.8 SG2 460.8 THA 155.61 EL1 2066.2 EL2 126.3 ALF 157.85

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 390.221

RL 147.41 LAL .00 LOL 72.65 VL 27.702 GAL -5.10 AZL 89.21 HCA 184.84 SMA 128.45 ECC .17184 INC .7862 V1 30.223
 RP 108.64 LAP -.07 LOP 257.50 VP 37.549 GAP 4.40 AZP 90.78 TAL 206.08 TAP 30.92 RCA 106.38 APO 150.53 V2 34.881
 RC 115.673 GL 6.28 GP 24.82 ZAL 129.82 ZAP 131.48 ETS 21.51 ZAE 135.18 ETE 155.35 ZAC 34.73 ETC 188.44 CLP-136.87

PLANETOCENTRIC CONIC

C3 11.993 VHL 3.463 DLA -13.47 RAL 303.35 RAD 6567.5 VEL 11.549 PTH 2.02 VHP 4.061 DPA 2.13 RAP 299.06 ECC 1.1974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 7 1667.09 -3.62 9.23 156.50 118.10 4 53 54 1067.1 .17 2.60
 90.00 12 53 30 5175.47 25.78 231.54 160.65 77.87 14 19 45 4575.5 23.85 223.40
 100.00 5 40 24 1427.42 -4.57 351.09 155.97 119.57 6 4 11 827.4 -.59 344.55
 100.00 14 21 54 4890.38 26.84 210.30 160.38 76.32 15 43 24 4290.4 24.69 202.16
 110.00 6 32 47 1263.35 -7.02 337.13 154.46 123.54 6 53 50 663.3 -2.56 330.88
 110.00 15 46 0 4627.22 29.61 189.42 159.49 72.08 17 3 7 4027.2 26.88 181.30

DIFFERENTIAL CORRECTIONS

TOE .0523 TRA -.8108 TC3-4.4462 BAU .7390
 RDE -.0299 RRA .0534 RC3 1.2147 FAU .10820
 FDE .3426 FRA -.3351 FC3-7.8103 BSP 10832
 BOE .0603 BRA .8126 BC3 4.6092 FSP -1548

MID-COURSE EXECUTION ACCURACY

SGT 3375.5 SGR 847.7 SG3 472.5
 RRT -.9508 RRF -.9990 RTF .9477
 SGB 3480.3 R23 .2993 R13 -.9531
 SG1 3470.9 SG2 255.4 THA 166.50

ORBIT DETERMINATION ACCURACY

ST 432.8 SR 61.9 SS 215.4
 CRT -.6684 CRS .9689 CST -.5076
 LSA 451.5 MSA 183.2 SSA 8.3
 EL1 434.8 EL2 45.8 ALF 174.48

LAUNCH DATE DEC 5 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 396.259

RL 147.41 LAL .00 LOL 72.65 VL 27.664 GAL -4.91 AZL 88.18 HCA 188.02 SMA 128.19 ECC .17219 INC 1.8247 V1 30.223
 RP 108.68 LAP -.25 LOP 260.67 VP 37.511 GAP 4.67 AZP 91.81 TAL 204.89 TAP 32.91 RCA 106.11 APO 150.26 V2 34.870
 RC 118.029 GL 14.41 GP 15.14 ZAL 126.99 ZAP 136.71 ETS 14.24 ZAE 137.06 ETE 165.61 ZAC 35.13 ETC 174.23 CLP-138.94

PLANETOCENTRIC CONIC

C3 12.415 VHL 3.524 DLA -5.17 RAL 303.18 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 3.946 DPA -7.25 RAP 301.72 ECC 1.2043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 42 1945.60 -12.27 25.12 156.65 115.72 3 51 7 1345.6 -8.70 18.25
 90.00 13 59 32 4911.61 20.82 213.82 158.39 70.36 15 21 24 4311.6 17.95 206.32
 100.00 4 37 36 1691.06 -13.14 5.96 156.20 117.09 5 5 47 1091.1 -9.40 359.16
 100.00 15 23 19 4641.38 21.74 193.58 158.02 68.96 16 40 41 4041.4 18.68 186.12
 110.00 5 40 15 1494.91 -15.46 349.75 154.88 120.87 6 5 10 894.9 -11.26 343.17
 110.00 16 37 9 4410.30 24.18 174.91 156.90 65.07 17 50 40 3810.3 20.61 167.58

DIFFERENTIAL CORRECTIONS

TOE .3746 TRA -.9041 TC3-4.4790 BAU .7549
 RDE -.0496 RRA .0458 RC3 .7904 FAU .11335
 FDE .8823 FRA -.3938 FC3-7.9039 BSP 11249
 BOE .3779 BRA .9052 BC3 4.5482 FSP -1655

MID-COURSE EXECUTION ACCURACY

SGT 3537.3 SGR 567.7 SG3 500.0
 RRT -.9548 RRF -.9940 RTF .9478
 SGB 3582.6 R23 .2928 R13 -.9499
 SG1 3578.7 SG2 166.7 THA 171.27

ORBIT DETERMINATION ACCURACY

ST 759.0 SR 85.4 SS 496.9
 CRT -.9360 CRS .9874 CST -.8816
 LSA 888.5 MSA 202.0 SSA 6.4
 EL1 763.2 EL2 29.9 ALF 173.98

LAUNCH DATE DEC 5 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 402.281

RL 147.41 LAL .00 LOL 72.65 VL 27.624 GAL -4.70 AZL 87.73 HCA 191.19 SMA 127.92 ECC .17261 INC 2.2733 V1 30.223
 RP 108.71 LAP -.44 LOP 263.84 VP 37.473 GAP 4.94 AZP 92.23 TAL 203.66 TAP 34.85 RCA 105.84 APO 150.00 V2 34.860
 RC 120.382 GL 17.90 GP 10.67 ZAL 124.61 ZAP 139.84 ETS 10.54 ZAE 136.74 ETE 170.59 ZAC 36.66 ETC 168.11 CLP-141.05

PLANETOCENTRIC CONIC

C3 12.627 VHL 3.553 DLA -1.39 RAL 304.03 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 3.992 DPA -11.45 RAP 303.56 ECC 1.2078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 46 2067.20 -15.74 32.36 158.15 113.85 3 28 13 1467.2 -12.39 25.29
 90.00 14 31 14 4797.23 18.03 206.59 158.62 67.79 15 51 11 4197.2 14.86 199.34
 100.00 4 14 28 1806.89 -16.62 12.80 157.73 115.21 4 44 35 1206.9 -13.09 5.79
 100.00 15 53 13 4532.78 18.92 186.74 158.23 66.42 17 8 46 3932.8 15.58 179.55
 110.00 5 21 14 1597.89 -18.96 355.68 156.47 118.99 5 47 52 997.9 -14.95 348.86
 110.00 17 2 57 4314.53 21.30 168.97 157.02 62.61 18 14 51 3714.5 17.46 161.94

DIFFERENTIAL CORRECTIONS

TOE .5488 TRA -.9239 TC3-4.5405 BAU .7732
 RDE -.0356 RRA .0340 RC3 .6030 FAU .10937
 FDE 1.1073 FRA -.3344 FC3-7.4988 BSP 11480
 BOE .5500 BRA .9245 BC3 4.5803 FSP -1601

MID-COURSE EXECUTION ACCURACY

SGT 3662.8 SGR 435.9 SG3 487.8
 RRT -.9493 RRF -.9817 RTF .9468
 SGB 3688.7 R23 .2599 R13 -.9479
 SG1 3686.2 SG2 136.2 THA 173.55

ORBIT DETERMINATION ACCURACY

ST 996.1 SR 61.0 SS 620.8
 CRT -.9763 CRS .9750 CST -.9302
 LSA 1158.8 MSA 196.2 SSA 7.1
 EL1 997.9 EL2 13.2 ALF 176.58

LAUNCH DATE DEC 5 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 408.286

RL 147.41 LAL .00 LOL 72.65 VL 27.584 GAL -4.49 AZL 87.47 HCA 194.37 SMA 127.64 ECC .17312 INC 2.5271 V1 30.223
 RP 108.74 LAP -.63 LOP 267.01 VP 37.434 GAP 5.20 AZP 92.45 TAL 202.39 TAP 36.76 RCA 105.55 APO 149.74 V2 34.851
 RC 122.731 GL 19.90 GP 8.15 ZAL 122.47 ZAP 142.31 ETS 8.38 ZAE 136.00 ETE 173.33 ZAC 38.26 ETC 165.03 CLP-143.07

PLANETOCENTRIC CONIC

C3 12.690 VHL 3.562 DLA .96 RAL 305.23 RAD 6567.5 VEL 11.579 PTH 2.02 VHP 4.078 DPA -13.72 RAP 305.19 ECC 1.2089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 9 2141.13 -17.72 36.88 159.82 112.45 3 16 50 1541.1 -14.52 29.67
 90.00 14 53 28 4725.43 16.13 202.18 159.49 66.41 16 12 14 4125.4 12.80 195.08
 100.00 4 2 57 1877.31 -18.61 17.08 159.42 113.82 4 34 14 1277.3 -15.23 9.92
 100.00 16 14 22 4464.49 17.01 182.57 159.07 65.04 17 28 46 3864.5 13.51 175.53
 110.00 5 12 13 1660.48 -20.99 359.41 158.20 117.62 5 39 54 1060.5 -17.12 352.41
 110.00 17 21 35 4254.11 19.36 165.35 157.82 61.26 18 32 29 3654.1 15.38 158.49

DIFFERENTIAL CORRECTIONS

TOE .6591 TRA -.9296 TC3-4.6819 BAU .7991
 RDE -.0176 RRA .0255 RC3 .5126 FAU .10464
 FDE 1.1927 FRA -.2675 FC3-7.1386 BSP 11996
 BOE .6594 BRA .9300 BC3 4.7099 FSP -1562

MID-COURSE EXECUTION ACCURACY

SGT 3806.2 SGR 368.6 SG3 471.1
 RRT -.9334 RRF -.9599 RTF .9464
 SGB 3824.0 R23 .2104 R13 -.9471
 SG1 3821.7 SG2 131.8 THA 174.83

ORBIT DETERMINATION ACCURACY

ST 1155.5 SR 32.7 SS 679.5
 CRT -.9676 CRS .9111 CST -.9454
 LSA 1326.9 MSA 193.0 SSA 8.2
 EL1 1155.9 EL2 8.3 ALF 178.43

LAUNCH DATE DEC 5 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 414.274

RL 147.41 LAL .00 LOL 72.65 VL 27.542 GAL -4.27 AZL 87.31 HCA 197.54 SMA 127.37 ECC .17371 INC 2.6901 V1 30.223
 RP 108.76 LAP -.81 LOP 270.17 VP 37.396 GAP 5.45 AZP 92.57 TAL 201.09 TAP 38.63 RCA 105.24 APO 149.49 V2 34.842
 RC 125.075 GL 21.23 GP 6.53 ZAL 120.41 ZAP 144.46 ETS 6.98 ZAE 135.21 ETE 174.98 ZAC 39.85 ETC 163.35 CLP-144.99

PLANETOCENTRIC CONIC

C3 12.675 VHL 3.560 DLA 2.70 RAL 306.64 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 4.178 DPA -15.06 RAP 306.78 ECC 1.2086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 53 2194.71 -19.08 40.23 161.56 111.33 3 10 28 1594.7 -16.02 32.89
 90.00 15 11 58 4671.32 14.63 198.91 160.63 65.48 16 29 49 4071.3 11.20 191.91
 100.00 3 56 29 1928.28 -19.98 20.25 161.17 112.71 4 28 37 1328.3 -16.73 12.96
 100.00 16 32 3 4412.99 15.51 179.49 160.21 64.12 17 45 36 3813.0 11.90 172.55
 110.00 5 7 37 1705.64 -22.39 2.16 159.99 116.53 5 36 3 1105.6 -18.64 355.03
 110.00 17 37 25 4208.39 17.85 162.67 158.92 60.35 18 47 33 3608.4 13.77 155.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7415 TRA -.9244 TC3-4.8609 BAU .8274 SGT 3952.4 SGR 332.6 SG3 454.5 ST 1278.5 SR 13.3 SS 707.5
 RDE -.0004 RRA .0183 RC3 .4653 FAU .10020 RRT -.9063 RRF -.9291 RTF .9470 CRT -.3415 CRS .1412 CST -.9533
 FDE 1.2131 FRA -.2047 FC3-6.8441 BSP 12613 SGB 3966.3 R23 .1652 R13 -.9474 LSA 1449.0 MSA 188.7 SSA 9.5
 BOE .7415 BRA .9245 BC3 4.8831 FSP -1542 SG1 3963.9 SG2 140.2 THA 175.63 EL1 1278.5 EL2 12.5 ALF 179.80

LAUNCH DATE DEC 5 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 420.252

RL 147.41 LAL .00 LOL 72.65 VL 27.501 GAL -4.03 AZL 87.20 HCA 200.71 SMA 127.09 ECC .17437 INC 2.8044 V1 30.223
 RP 108.79 LAP -.99 LOP 273.34 VP 37.357 GAP 5.71 AZP 92.62 TAL 199.76 TAP 40.47 RCA 104.93 APO 149.25 V2 34.834
 RC 127.413 GL 22.20 GP 5.42 ZAL 118.37 ZAP 146.40 ETS 6.03 ZAE 134.45 ETE 176.06 ZAC 41.46 ETC 162.43 CLP-146.79

PLANETOCENTRIC CONIC

C3 12.616 VHL 3.552 DLA 4.13 RAL 308.20 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 4.285 DPA -15.88 RAP 308.40 ECC 1.2076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 26 2238.24 -20.14 42.99 163.38 110.34 3 6 44 1638.2 -17.19 35.55
 90.00 15 28 53 4625.82 13.33 196.21 161.98 64.78 16 45 58 4025.8 9.82 189.28
 100.00 3 52 42 1969.63 -21.05 22.86 163.01 111.73 4 25 32 1369.6 -17.91 15.47
 100.00 16 48 17 4369.66 14.20 176.93 161.54 63.42 18 1 7 3769.7 10.52 170.08
 110.00 5 5 23 1742.15 -23.48 4.44 161.86 115.59 5 34 25 1142.1 -19.84 357.19
 110.00 17 52 5 4169.91 16.54 160.46 160.23 59.65 19 1 35 3569.9 12.38 153.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8540 TRA -.8657 TC3-4.9216 BAU .8332 SGT 4010.1 SGR 302.7 SG3 424.6 ST 1444.0 SR 19.9 SS 776.4
 RDE .0108 RRA .0070 RC3 .4250 FAU .09121 RRT -.8631 RRF -.8786 RTF .9401 CRT .7510 CRS -.8415 CST -.9596
 FDE 1.2975 FRA -.0438 FC3-6.2585 BSP 12229 SGB 4021.5 R23 .1307 R13 -.9404 LSA 1628.0 MSA 193.9 SSA 10.0
 BOE .8541 BRA .8657 BC3 4.9399 FSP -1325 SG1 4018.7 SG2 152.5 THA 176.27 EL1 1444.1 EL2 13.2 ALF .59

LAUNCH DATE DEC 5 1965

FLIGHT TIME 146.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 426.208

RL 147.41 LAL .00 LOL 72.65 VL 27.459 GAL -3.79 AZL 87.11 HCA 203.88 SMA 126.80 ECC .17514 INC 2.8895 V1 30.223
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.319 GAP 5.95 AZP 92.64 TAL 198.40 TAP 42.28 RCA 104.60 APO 149.01 V2 34.826
 RC 129.747 GL 22.95 GP 4.60 ZAL 116.30 ZAP 148.20 ETS 5.35 ZAE 133.75 ETE 176.78 ZAC 43.08 ETC 161.94 CLP-148.50

PLANETOCENTRIC CONIC

C3 12.543 VHL 3.542 DLA 5.38 RAL 309.88 RAD 6567.5 VEL 11.573 PTH 2.02 VHP 4.397 DPA -16.36 RAP 310.06 ECC 1.2064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 40 2276.23 -21.02 45.42 165.29 109.43 3 4 36 1676.2 -18.17 37.90
 90.00 15 45 1 4585.33 12.14 193.83 163.47 64.22 17 1 26 3985.3 8.57 186.96
 100.00 3 50 33 2005.67 -21.94 25.16 164.93 110.83 4 23 59 1405.7 -18.91 17.68
 100.00 17 3 49 4331.12 13.02 174.68 163.02 62.85 18 16 0 3731.1 9.28 167.89
 110.00 5 4 37 1773.88 -24.40 6.44 163.80 114.72 5 34 11 1173.9 -20.86 359.09
 110.00 18 6 14 4135.68 15.35 158.52 161.69 59.08 19 15 10 3535.7 11.14 151.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9121 TRA -.8449 TC3-5.1350 BAU .8638 SGT 4158.3 SGR 295.8 SG3 410.5 ST 1535.8 SR 42.3 SS 778.7
 RDE .0256 RRA .0011 RC3 .4134 FAU .08770 RRT -.8185 RRF -.8334 RTF .9417 CRT .9215 CRS -.9632 CST -.9630
 FDE 1.2646 FRA .0046 FC3-6.0536 BSP 12971 SGB 4168.8 R23 .1068 R13 -.9420 LSA 1712.1 MSA 188.5 SSA 11.3
 BOE .9124 BRA .8449 BC3 5.1516 FSP -1336 SG1 4165.3 SG2 169.6 THA 176.66 EL1 1536.3 EL2 16.4 ALF 1.45

LAUNCH DATE DEC 5 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 432.150

RL 147.41 LAL .00 LOL 72.65 VL 27.416 GAL -3.54 AZL 87.04 HCA 207.05 SMA 126.52 ECC .17600 INC 2.9556 V1 30.223
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.281 GAP 6.20 AZP 92.63 TAL 197.00 TAP 44.05 RCA 104.25 APO 148.79 V2 34.819
 RC 132.074 GL 23.56 GP 3.99 ZAL 114.19 ZAP 149.87 ETS 4.87 ZAE 133.13 ETE 177.30 ZAC 44.73 ETC 161.73 CLP-150.11

PLANETOCENTRIC CONIC

C3 12.465 VHL 3.531 DLA 6.53 RAL 311.67 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 4.512 DPA -16.61 RAP 311.78 ECC 1.2051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 1 2311.29 -21.79 47.70 167.30 108.54 3 3 33 1711.3 -19.06 40.10
 90.00 16 0 57 4547.62 11.01 191.63 165.11 63.75 17 16 45 3947.6 7.40 184.82
 100.00 3 49 28 2038.90 -22.73 27.32 166.95 109.96 4 23 27 1438.9 -19.80 19.74
 100.00 17 19 11 4295.25 11.89 172.61 164.65 62.37 18 30 46 3695.2 8.10 165.88
 110.00 5 4 50 1803.05 -25.21 8.31 165.85 113.88 5 34 53 1203.1 -21.77 .86
 110.00 18 20 19 4103.85 14.23 156.73 163.30 58.59 19 28 42 3503.9 9.97 150.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9787 TRA -.8033 TC3-5.3112 BAU .8877 SGT 4278.9 SGR 292.7 SG3 393.6 ST 1640.2 SR 62.4 SS 792.2
 RDE .0380 RRA -.0061 RC3 .4049 FAU .08314 RRT -.7675 RRF -.7814 RTF .9412 CRT .9601 CRS -.9782 CST -.9661
 FDE 1.2496 FRA .0776 FC3-5.7745 BSP 13423 SGB 4288.9 R23 .0900 R13 -.9414 LSA 1813.0 MSA 185.5 SSA 12.4
 BOE .9794 BRA .8033 BC3 5.3266 FSP -1293 SG1 4284.8 SG2 187.3 THA 176.99 EL1 1641.3 EL2 17.4 ALF 2.09

LAUNCH DATE DEC 5 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

RL 147.41 LAL .00 LOL 72.65 VL 27.373 GAL -3.28 AZL 86.99 HCA 210.22 SMA 126.24 ECC .17696 INC 3.0088 VI 30.223
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.243 GAP 6.44 AZP 92.60 TAL 195.59 TAP 45.80 RCA 103.90 APO 148.58 V2 34.812
 RC 134.395 GL 24.05 GP 3.50 ZAL 112.01 ZAP 151.45 ETS 4.51 ZAE 132.57 ETE 177.67 ZAC 46.43 ETC 161.69 CLP-151.65

PLANETOCENTRIC CONIC

C3 12.394 VHL 3.521 DLA 7.63 RAL 313.57 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 4.630 DPA -16.69 RAP 313.55 ECC 1.2040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 9 2344.85 -22.50 49.91 169.43 107.66 3 3 14 1744.8 -19.88 42.22
 90.00 16 16 58 4511.63 9.92 189.55 166.89 63.34 17 32 9 3911.6 6.26 182.78
 100.00 3 49 9 2070.67 -23.45 29.40 169.09 109.09 4 23 40 1470.7 -20.63 21.74
 100.00 17 34 38 4261.05 10.81 170.66 166.43 61.96 18 45 39 3661.0 6.97 163.97
 110.00 5 5 46 1830.90 -25.97 10.13 168.02 113.05 5 36 17 1230.9 -22.62 2.57
 110.00 18 34 31 4073.58 13.15 155.05 165.05 58.36 19 42 24 3473.6 8.84 148.60

DIFFERENTIAL CORRECTIONS

TDE 1.0479 TRA -.7485 TC3-5.4699 BAU .9088
 RDE .0493 RRA -.0138 RC3 .3995 FAU .07849
 FDE 1.2370 FRA .1552 FC3-5.4823 BSP 13776
 BDE 1.0491 BRA .7486 BC3 5.4845 FSP -1238

MID-COURSE EXECUTION ACCURACY

SGT 4387.7 SGR 293.4 SG3 376.8
 RRT -.7137 RRF -.7268 RTF .9400
 SGB 4397.5 R23 .0778 R13 -.9402
 SG1 4392.7 SG2 205.3 THA 177.26

ORBIT DETERMINATION ACCURACY

ST 1748.7 SR 81.0 SS 807.3
 CRT .9773 CRS -.9795 CST -.9688
 LSA 1919.0 MSA 182.7 SSA 13.4
 EL1 1750.5 EL2 17.1 ALF 2.59

LAUNCH DATE DEC 5 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

RL 147.41 LAL .00 LOL 72.65 VL 27.330 GAL -3.01 AZL 86.95 HCA 213.38 SMA 125.96 ECC .17803 INC 3.0528 VI 30.223
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.206 GAP 6.69 AZP 92.55 TAL 194.14 TAP 47.52 RCA 103.53 APO 148.38 V2 34.806
 RC 136.709 GL 24.44 GP 3.12 ZAL 109.77 ZAP 152.94 ETS 4.26 ZAE 132.07 ETE 177.94 ZAC 48.18 ETC 161.78 CLP-153.11

PLANETOCENTRIC CONIC

C3 12.338 VHL 3.512 DLA 8.68 RAL 315.57 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 4.751 DPA -16.64 RAP 315.37 ECC 1.2030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 51 2377.79 -23.17 52.09 171.68 106.76 3 3 29 1777.8 -20.65 44.32
 90.00 16 33 13 4476.76 8.85 187.55 168.82 62.99 17 47 50 3876.8 5.16 180.81
 100.00 3 49 25 2101.82 -24.13 31.47 171.35 108.20 4 24 27 1501.8 -21.41 23.72
 100.00 17 50 20 4227.95 9.74 168.78 168.35 61.60 19 0 48 3628.0 5.87 162.13
 110.00 5 7 17 1858.16 -26.68 11.92 170.31 112.20 5 38 15 1258.2 -23.43 4.27
 110.00 18 48 58 4044.38 12.09 153.45 166.95 57.78 19 56 22 3444.4 7.75 147.04

DIFFERENTIAL CORRECTIONS

TDE 1.1155 TRA -.6869 TC3-5.6246 BAU .9300
 RDE .0600 RRA -.0214 RC3 .3965 FAU .07417
 FDE 1.2203 FRA .2263 FC3-5.2047 BSP 14150
 BDE 1.1171 BRA .6873 BC3 5.6386 FSP -1191

MID-COURSE EXECUTION ACCURACY

SGT 4495.4 SGR 297.4 SG3 361.1
 RRT -.6602 RRF -.6734 RTF .9391
 SGB 4505.2 R23 .0690 R13 -.9393
 SG1 4499.7 SG2 223.1 THA 177.49

ORBIT DETERMINATION ACCURACY

ST 1854.9 SR 98.8 SS 819.6
 CRT .9860 CRS -.9769 CST -.9712
 LSA 2022.4 MSA 179.5 SSA 14.4
 EL1 1857.5 EL2 16.4 ALF 3.01

LAUNCH DATE DEC 5 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

RL 147.41 LAL .00 LOL 72.65 VL 27.287 GAL -2.73 AZL 86.91 HCA 216.55 SMA 125.67 ECC .17922 INC 3.0898 VI 30.223
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.169 GAP 6.93 AZP 92.48 TAL 192.67 TAP 49.22 RCA 103.15 APO 148.20 V2 34.801
 RC 139.015 GL 24.76 GP 2.81 ZAL 107.45 ZAP 154.35 ETS 4.08 ZAE 131.63 ETE 178.15 ZAC 49.97 ETC 161.95 CLP-154.50

PLANETOCENTRIC CONIC

C3 12.302 VHL 3.507 DLA 9.71 RAL 317.67 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 4.874 DPA -16.49 RAP 317.24 ECC 1.2025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 1 2410.69 -23.79 54.30 174.06 105.82 3 4 11 1810.7 -21.40 46.45
 90.00 16 49 49 4442.64 7.79 185.60 170.89 62.69 18 3 52 3842.6 4.07 178.90
 100.00 3 50 8 2132.92 -24.77 33.55 173.74 107.29 4 25 41 1532.9 -22.17 25.72
 100.00 18 6 23 4195.64 8.69 166.95 170.41 61.29 19 16 18 3595.6 4.79 160.34
 110.00 5 9 15 1885.34 -27.37 13.74 172.73 111.33 5 40 41 1285.3 -24.22 5.98
 110.00 19 3 45 4015.99 11.06 151.90 168.99 57.45 20 10 41 3416.0 6.69 145.54

DIFFERENTIAL CORRECTIONS

TDE 1.1850 TRA -.6154 TC3-5.7624 BAU .9500
 RDE .0701 RRA -.0293 RC3 .3943 FAU .07002
 FDE 1.2036 FRA .2957 FC3-4.9272 BSP 14485
 BDE 1.1870 BRA .6161 BC3 5.7759 FSP -1144

MID-COURSE EXECUTION ACCURACY

SGT 4596.5 SGR 303.3 SG3 346.2
 RRT -.6075 RRF -.6212 RTF .9382
 SGB 4606.4 R23 .0625 R13 -.9383
 SG1 4600.2 SG2 240.7 THA 177.70

ORBIT DETERMINATION ACCURACY

ST 1953.5 SR 115.7 SS 831.5
 CRT .9906 CRS -.9721 CST -.9734
 LSA 2128.1 MSA 176.1 SSA 15.3
 EL1 1966.8 EL2 15.8 ALF 3.34

LAUNCH DATE DEC 5 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

RL 147.41 LAL .00 LOL 72.65 VL 27.243 GAL -2.44 AZL 86.88 HCA 219.71 SMA 125.39 ECC .18053 INC 3.1218 VI 30.223
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.133 GAP 7.17 AZP 92.40 TAL 191.18 TAP 50.89 RCA 102.76 APO 148.03 V2 34.797
 RC 141.312 GL 25.01 GP 2.55 ZAL 105.06 ZAP 155.70 ETS 3.96 ZAE 131.24 ETE 178.31 ZAC 51.80 ETC 162.17 CLP-155.82

PLANETOCENTRIC CONIC

C3 12.294 VHL 3.506 DLA 10.73 RAL 319.87 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.000 DPA -16.25 RAP 319.15 ECC 1.2023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 32 2443.96 -24.39 56.55 176.59 104.85 3 5 16 1844.0 -22.12 48.62
 90.00 17 6 50 4409.09 6.74 183.70 173.12 62.43 18 20 19 3809.1 2.99 177.02
 100.00 3 51 14 2164.34 -25.39 35.68 176.28 106.33 4 27 19 1564.3 -22.91 27.76
 100.00 18 22 49 4163.95 7.65 165.18 172.62 61.01 19 32 13 3563.9 3.72 158.59
 110.00 5 11 38 1912.76 -28.03 15.60 175.30 110.41 5 43 31 1312.8 -25.00 7.74
 110.00 19 18 55 3988.28 10.04 150.40 171.18 57.15 20 25 23 3388.3 5.64 144.07

DIFFERENTIAL CORRECTIONS

TDE 1.2572 TRA -.5336 TC3-5.8804 BAU .9687
 RDE .0797 RRA -.0375 RC3 .3918 FAU .06599
 FDE 1.1888 FRA .3643 FC3-4.6470 BSP 14770
 BDE 1.2597 BRA .5350 BC3 5.8934 FSP -1093

MID-COURSE EXECUTION ACCURACY

SGT 4691.8 SGR 310.4 SG3 331.9
 RRT -.5563 RRF -.5703 RTF .9371
 SGB 4702.1 R23 .0571 R13 -.9372
 SG1 4695.0 SG2 257.7 THA 177.89

ORBIT DETERMINATION ACCURACY

ST 2075.3 SR 131.8 SS 843.9
 CRT .9924 CRS -.9661 CST -.9754
 LSA 2237.5 MSA 172.8 SSA 16.1
 EL1 2079.4 EL2 16.1 ALF 3.61

LAUNCH DATE DEC 5 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.200 GAL -2.13 AZL 86.85 MCA 222.87 SMA 125.11 ECC .18197 INC 3.1498 V1 30.223
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.098 GAP 7.41 AZP 92.31 TAL 189.67 TAP 52.54 RCA 102.35 APO 147.88 V2 34.793
 RC 145.598 GL 25.18 GP 2.33 ZAL 102.60 ZAP 156.98 ETS 3.90 ZAE 130.89 ETE 178.43 ZAC 53.68 ETC 162.42 CLP-157.10

PLANETOCENTRIC CONIC
 C3 12.319 VHL 3.510 DLA 11.73 RAL 322.16 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.129 DPA -15.94 RAP 321.11 ECC 1.2027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 23 2477.83 -24.96 58.87 179.26 103.82 3 6 41 1877.8 -22.82 50.86
 90.00 17 24 18 4376.07 5.69 181.83 175.49 62.21 18 37 14 3776.1 1.93 175.17
 100.00 3 52 41 2196.29 -25.98 37.87 178.96 105.32 4 29 17 1596.3 -23.63 29.86
 100.00 18 39 41 4132.84 6.62 163.44 174.99 60.78 19 48 34 3532.8 2.67 156.88
 110.00 5 14 23 1940.64 -28.68 17.51 178.01 109.45 5 46 43 1340.6 -25.76 9.55
 110.00 19 34 29 3961.26 9.04 148.95 173.51 56.89 20 40 30 3361.3 4.62 142.65

DIFFERENTIAL CORRECTIONS
 TOE 1.3283 TRA -.4461 TC3-5.9870 BAU .9881 SGT 4787.3 SGR 318.6 SG3 318.7 ST 2183.5 SR 147.7 SS 852.8
 RDE .0892 RRA -.0455 RC3 .3889 FAU .06233 RRT -.5082 RRF -.5232 RTF .9365 CRT .9922 CRS -.9596 CST -.9773
 FDE 1.1703 FRA .4251 FC3-4.3803 BSP 15114 SGB 4797.9 R23 .0531 R13 -.9366 LSA 2342.7 MSA 169.0 SSA 16.9
 BDE 1.3313 BRA .4484 BC3 5.9996 FSP -1054 SG1 4790.0 SG2 274.2 THA 178.06 EL1 2188.4 EL2 18.3 ALF 3.84

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.156 GAL -1.82 AZL 86.83 MCA 226.03 SMA 124.83 ECC .18354 INC 3.1746 V1 30.223
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.063 GAP 7.65 AZP 92.20 TAL 188.14 TAP 54.17 RCA 101.92 APO 147.75 V2 34.790
 RC 145.874 GL 25.29 GP 2.14 ZAL 100.07 ZAP 158.22 ETS 3.88 ZAE 130.59 ETE 178.53 ZAC 55.59 ETC 162.70 CLP-158.32

PLANETOCENTRIC CONIC
 C3 12.382 VHL 3.519 DLA 12.73 RAL 324.55 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 5.261 DPA -15.56 RAP 323.09 ECC 1.2038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 30 2512.47 -25.51 61.26 182.08 102.74 3 8 23 1912.5 -23.50 53.17
 90.00 17 42 14 4343.58 4.66 180.01 178.02 62.04 18 54 37 3743.6 .88 173.36
 100.00 3 54 25 2228.95 -26.55 40.13 181.80 104.26 4 31 34 1629.0 -24.33 32.04
 100.00 18 57 0 4102.34 5.60 161.75 177.51 60.59 20 5 22 3502.3 1.64 155.20
 110.00 5 17 28 1969.09 -29.31 19.48 180.88 108.43 5 50 17 1369.1 -26.51 11.41
 110.00 19 50 27 3934.96 8.06 147.55 176.00 56.67 20 56 1 3335.0 3.61 141.27

DIFFERENTIAL CORRECTIONS
 TOE 1.4021 TRA -.3486 TC3-6.0685 BAU 1.0065 SGT 4877.5 SGR 327.2 SG3 306.2 ST 2293.3 SR 163.0 SS 861.0
 RDE .0986 RRA -.0536 RC3 .3846 FAU .05883 RRT -.4620 RRF -.4784 RTF .9359 CRT .9904 CRS -.9525 CST -.9791
 FDE 1.1525 FRA .4849 FC3-4.1136 BSP 15426 SGB 4888.4 R23 .0501 R13 -.9360 LSA 2449.4 MSA 165.4 SSA 17.6
 BDE 1.4056 BRA .3527 BC3 6.0807 FSP -1016 SG1 4879.8 SG2 290.1 THA 178.22 EL1 2299.0 EL2 22.4 ALF 4.03

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.113 GAL -1.49 AZL 86.80 MCA 229.20 SMA 124.56 ECC .18527 INC 3.1969 V1 30.223
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.029 GAP 7.90 AZP 92.09 TAL 186.59 TAP 55.79 RCA 101.48 APO 147.63 V2 34.787
 RC 148.138 GL 25.32 GP 1.98 ZAL 97.47 ZAP 159.40 ETS 3.90 ZAE 130.33 ETE 178.62 ZAC 57.55 ETC 162.99 CLP-159.49

PLANETOCENTRIC CONIC
 C3 12.488 VHL 3.534 DLA 13.70 RAL 327.03 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.396 DPA -15.11 RAP 325.11 ECC 1.2055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 53 2547.98 -26.01 63.74 185.05 101.60 3 10 21 1948.0 -24.15 55.56
 90.00 18 0 36 4311.72 3.64 178.22 180.71 61.90 19 12 28 3711.7 -1.15 171.58
 100.00 3 56 26 2262.39 -27.09 42.47 184.78 103.14 4 34 9 1662.4 -25.01 34.29
 100.00 19 14 44 4072.54 4.60 160.10 180.18 60.43 20 22 37 3472.5 -.63 153.57
 110.00 5 20 53 1998.19 -29.92 21.53 183.90 107.36 5 54 11 1398.2 -27.25 13.35
 110.00 20 6 47 3909.50 7.10 146.19 178.64 56.47 21 11 57 3309.5 2.64 139.94

DIFFERENTIAL CORRECTIONS
 TOE 1.4775 TRA -.2431 TC3-6.1266 BAU 1.0248 SGT 4965.2 SGR 336.0 SG3 294.3 ST 2402.1 SR 178.1 SS 867.8
 RDE .1081 RRA -.0616 RC3 .3787 FAU .05555 RRT -.4181 RRF -.4358 RTF .9358 CRT .9875 CRS -.9453 CST -.9807
 FDE 1.1347 FRA .5398 FC3-3.8508 BSP 15747 SGB 4976.5 R23 .0474 R13 -.9358 LSA 2555.1 MSA 161.7 SSA 18.3
 BDE 1.4814 BRA .2508 BC3 6.1383 FSP -981 SG1 4967.2 SG2 305.1 THA 178.37 EL1 2408.5 EL2 28.0 ALF 4.19

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.069 GAL -1.15 AZL 86.78 MCA 232.36 SMA 124.28 ECC .18716 INC 3.2172 V1 30.223
 RP 108.94 LAP -2.55 LOP 304.97 VP 36.995 GAP 8.15 AZP 91.97 TAL 185.02 TAP 57.38 RCA 101.02 APO 147.54 V2 34.786
 RC 150.390 GL 25.29 GP 1.85 ZAL 94.81 ZAP 160.54 ETS 3.96 ZAE 130.11 ETE 178.68 ZAC 59.54 ETC 163.29 CLP-160.62

PLANETOCENTRIC CONIC
 C3 12.644 VHL 3.556 DLA 14.67 RAL 329.59 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.535 DPA -14.62 RAP 327.15 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 31 2584.41 -26.49 66.30 188.17 100.40 3 12 35 1984.4 -24.78 58.05
 90.00 18 19 25 4280.59 2.64 176.48 183.56 61.80 19 30 45 3680.6 -1.15 169.85
 100.00 3 58 44 2296.65 -27.60 44.89 187.92 101.97 4 37 1 1696.7 -25.67 36.62
 100.00 19 32 52 4043.58 3.63 158.50 183.01 60.31 20 40 16 3443.6 -.35 151.98
 110.00 5 24 36 2027.97 -30.50 23.65 187.09 106.23 5 58 24 1428.0 -27.98 15.37
 110.00 20 23 29 3885.02 6.18 144.90 181.43 56.31 21 28 14 3285.0 1.71 138.66

DIFFERENTIAL CORRECTIONS
 TOE 1.5576 TRA -.1247 TC3-6.1441 BAU 1.0405 SGT 5043.3 SGR 344.5 SG3 282.7 ST 2514.0 SR 192.7 SS 875.2
 RDE .1176 RRA -.0697 RC3 .3703 FAU .05220 RRT -.3748 RRF -.3931 RTF .9350 CRT .9834 CRS -.9375 CST -.9822
 FDE 1.1195 FRA .5969 FC3-3.5744 BSP 15972 SGB 5055.1 R23 .0445 R13 -.9351 LSA 2664.2 MSA 158.9 SSA 18.8
 BDE 1.5621 BRA .1429 BC3 6.1553 FSP -940 SG1 5045.0 SG2 319.3 THA 178.53 EL1 2521.2 EL2 34.9 ALF 4.31

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 27.026 GAL -.80 AZL 86.76 MCA 235.52 SMA 124.01 ECC .18921 INC 3.2358 V1 30.223
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.963 GAP 8.40 AZP 91.83 TAL 183.44 TAP 58.96 RCA 100.55 APO 147.47 V2 34.785
 RC 152.629 GL 25.18 GP 1.73 ZAL 92.10 ZAP 161.63 ETS 4.05 ZAE 129.91 ETE 178.74 ZAC 61.57 ETC 163.58 CLP-161.71

DISTANCE 484.953

PLANETOCENTRIC CONIC
 C3 12.856 VHL 3.586 DLA 15.61 RAL 332.23 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.678 OPA -14.07 RAP 329.21 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 23 2621.71 -26.92 68.95 191.44 99.14 3 15 5 2021.7 -25.38 60.62
 90.00 18 38 36 4250.41 1.67 174.79 186.55 61.73 19 49 26 3650.4 -2.13 168.16
 100.00 4 1 19 2331.68 -28.07 47.39 191.21 100.73 4 40 10 1731.7 -26.30 39.03
 100.00 19 51 21 4015.67 2.69 156.97 185.99 60.22 20 58 17 3415.7 -1.30 150.45
 110.00 5 28 40 2058.39 -31.06 25.84 190.42 105.04 6 2 58 1458.4 -28.69 17.45
 110.00 20 40 29 3861.73 5.30 143.67 184.36 56.18 21 44 51 3261.7 .82 137.45

DIFFERENTIAL CORRECTIONS
 TOE 1.6369 TRA -.0015 TC3-6.1444 BAU 1.0578 SGT 5124.0 SGR 353.1 SG3 272.0 ST 2619.0 SR 207.4 S5 878.9
 RDE .1274 RRA -.0774 RC3 .3602 FAU .04927 RRT -.3345 RRF -.3542 RTF .9352 CRT .9788 CRS -.9303 CST -.9836
 FDE 1.1020 FRA .6463 FC3-3.3182 BSP 16300 SGB 5136.2 R23 .0425 R13 -.9353 LSA 2765.9 MSA 155.9 SSA 19.3
 BOE 1.6418 BRA .0774 BC3 6.1549 FSP -913 SG1 5125.4 SG2 332.7 THA 178.67 EL1 2626.9 EL2 42.3 ALF 4.43

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.983 GAL -.44 AZL 86.75 MCA 238.68 SMA 123.74 ECC .19145 INC 3.2531 V1 30.223
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.931 GAP 8.66 AZP 91.69 TAL 181.85 TAP 60.53 RCA 100.05 APO 147.43 V2 34.784
 RC 154.855 GL 25.00 GP 1.62 ZAL 89.35 ZAP 162.70 ETS 4.17 ZAE 129.74 ETE 178.80 ZAC 63.62 ETC 163.87 CLP-162.77

DISTANCE 490.741

PLANETOCENTRIC CONIC
 C3 13.130 VHL 3.624 DLA 16.53 RAL 334.94 RAD 6567.5 VEL 11.598 PTH 2.03 VHP 5.826 OPA -13.48 RAP 331.30 ECC 1.2161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 30 2659.84 -27.30 71.67 194.85 97.82 3 17 49 2059.8 -25.94 63.27
 90.00 18 58 6 4221.38 .73 173.17 189.70 61.69 20 8 27 3621.4 -3.06 166.54
 100.00 4 4 10 2367.45 -28.49 49.96 194.65 99.44 4 43 37 1767.5 -26.90 41.52
 100.00 20 10 7 3989.00 1.78 155.50 189.12 60.16 21 16 36 3389.0 -2.20 148.98
 110.00 5 33 2 2089.40 -31.59 28.11 193.91 103.80 6 7 51 1489.4 -29.37 19.60
 110.00 20 57 44 3839.82 4.47 142.52 187.44 56.07 22 1 44 3239.8 -.02 136.30

DIFFERENTIAL CORRECTIONS
 TOE 1.7193 TRA .1331 TC3-6.1094 BAU 1.0742 SGT 5200.2 SGR 361.3 SG3 261.9 ST 2722.5 SR 221.9 S5 882.2
 RDE .1377 RRA -.0849 RC3 .3478 FAU .04645 RRT -.2954 RRF -.3161 RTF .9355 CRT .9736 CRS -.9231 CST -.9850
 FDE 1.0860 FRA .6953 FC3-3.0630 BSP 16553 SGB 5212.7 R23 .0403 R13 -.9355 LSA 2866.3 MSA 153.6 SSA 19.7
 BOE 1.7248 BRA .1579 BC3 6.1193 FSP -880 SG1 5201.3 SG2 345.1 THA 178.82 EL1 2731.1 EL2 50.4 ALF 4.54

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.940 GAL -.06 AZL 86.73 MCA 241.84 SMA 123.47 ECC .19388 INC 3.2692 V1 30.223
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.900 GAP 8.93 AZP 91.54 TAL 180.24 TAP 62.08 RCA 99.53 APO 147.41 V2 34.785
 RC 157.067 GL 24.74 GP 1.53 ZAL 86.56 ZAP 163.73 ETS 4.33 ZAE 129.60 ETE 178.85 ZAC 65.71 ETC 164.15 CLP-163.80

DISTANCE 496.510

PLANETOCENTRIC CONIC
 C3 13.475 VHL 3.671 DLA 17.41 RAL 337.71 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 5.979 OPA -12.85 RAP 333.39 ECC 1.2218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 52 2698.70 -27.63 74.47 198.40 96.46 3 20 50 2098.7 -26.45 66.00
 90.00 19 17 51 4193.75 -.16 171.63 195.00 61.68 20 27 44 3593.8 -3.95 165.00
 100.00 4 7 18 2403.83 -28.87 52.60 198.22 98.10 4 47 22 1803.8 -27.45 44.08
 100.00 20 29 6 3963.85 .93 154.12 192.39 60.12 21 35 9 3363.8 -3.05 147.60
 110.00 5 37 44 2120.90 -32.08 30.44 197.55 102.50 6 13 5 1520.9 -30.02 21.82
 110.00 21 15 9 3819.55 3.69 141.46 190.66 55.99 22 18 49 3219.5 -.79 135.25

DIFFERENTIAL CORRECTIONS
 TOE 1.7900 TRA .2519 TC3-6.0428 BAU 1.0902 SGT 5259.0 SGR 368.8 SG3 248.6 ST 2739.9 SR 236.7 S5 869.3
 RDE .1489 RRA -.0912 RC3 .3331 FAU .04357 RRT -.2563 RRF -.2767 RTF .9379 CRT .9696 CRS -.9192 CST -.9865
 FDE 1.0541 FRA .7103 FC3-2.7992 BSP 17112 SGB 5272.0 R23 .0364 R13 -.9379 LSA 2937.5 MSA 147.9 SSA 19.9
 BOE 1.7962 BRA .2679 BC3 6.0520 FSP -892 SG1 5259.9 SG2 356.5 THA 178.97 EL1 2809.3 EL2 57.8 ALF 4.69

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.897 GAL .34 AZL 86.72 MCA 245.00 SMA 123.21 ECC .19653 INC 3.2844 V1 30.223
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.870 GAP 9.20 AZP 91.39 TAL 178.62 TAP 63.62 RCA 99.00 APO 147.42 V2 34.786
 RC 159.265 GL 24.42 GP 1.45 ZAL 83.75 ZAP 164.73 ETS 4.51 ZAE 129.49 ETE 178.89 ZAC 67.82 ETC 164.42 CLP-164.79

DISTANCE 502.262

PLANETOCENTRIC CONIC
 C3 13.897 VHL 3.728 DLA 18.26 RAL 340.53 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 6.137 OPA -12.18 RAP 335.50 ECC 1.2287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 30 2738.17 -27.90 77.32 202.08 95.05 3 24 8 2138.2 -26.91 68.80
 90.00 19 37 45 4167.77 -1.00 170.18 196.43 61.70 20 47 12 3567.8 -4.78 163.54
 100.00 4 10 44 2440.73 -29.20 55.29 201.93 96.72 4 51 25 1840.7 -27.96 46.71
 100.00 20 48 11 3940.44 .14 152.84 195.79 60.11 21 53 52 3340.4 -3.84 146.31
 110.00 5 42 45 2152.81 -32.52 32.82 201.32 101.16 6 18 38 1552.8 -30.64 24.10
 110.00 21 32 39 3801.13 2.99 140.49 194.01 55.93 22 36 0 3201.1 -1.50 134.29

DIFFERENTIAL CORRECTIONS
 TOE 1.8904 TRA .4368 TC3-5.9199 BAU 1.1014 SGT 5331.3 SGR 376.1 SG3 242.7 ST 2916.2 SR 250.5 S5 885.2
 RDE .1599 RRA -.0988 RC3 .3160 FAU .04086 RRT -.2189 RRF -.2402 RTF .9350 CRT .9623 CRS -.9088 CST -.9871
 FDE 1.0561 FRA .7946 FC3-2.5453 BSP 16952 SGB 5344.5 R23 .0354 R13 -.9350 LSA 3054.0 MSA 151.9 SSA 20.0
 BOE 1.8971 BRA .4479 BC3 5.9284 FSP -810 SG1 5331.9 SG2 367.0 THA 179.11 EL1 2926.1 EL2 67.9 ALF 4.73

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 507.992

RL 147.41 LAL .00 LOL 72.65 VL 26.854 GAL .75 AZL 86.70 HCA 248.16 SMA 122.95 ECC .19940 INC 3.2988 V1 30.223
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.840 GAP 9.48 AZP 91.23 TAL 176.99 TAP 65.15 RCA 98.43 APO 147.46 V2 34.788
 RC 161.449 GL 24.02 GP 1.37 ZAL 80.93 ZAP 165.70 ETS 4.73 ZAE 129.39 ETE 178.93 ZAC 69.96 ETC 164.68 CLP-165.76

PLANETOCENTRIC CONIC

C3 14.407 VHL 3.796 OLA 19.06 RAL 343.40 RAD 6567.6 VEL 11.653 PTH 2.05 VHP 6.302 DPA -11.48 RAP 337.62 ECC 1.2371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 25 2778.07 -28.11 80.23 205.88 93.61 3 27 43 2178.1 -27.31 71.65
 90.00 19 57 41 4143.76 -1.78 168.84 199.99 61.73 21 6 45 3543.8 -5.54 162.19
 100.00 4 14 29 2477.96 -29.46 58.03 205.76 95.30 4 55 47 1878.0 -28.42 49.38
 100.00 21 7 18 3919.10 -.59 151.67 199.32 60.11 22 12 37 3319.1 -4.56 145.13
 110.00 5 48 7 2184.99 -32.92 35.24 205.23 99.77 6 24 32 1585.0 -31.22 26.43
 110.00 21 50 9 3784.84 2.37 139.64 197.48 55.89 22 53 14 3184.8 -2.12 133.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9761 TRA .5994 TC3-5.7813 BAU 1.1150
 ROE .1721 RRA -.1048 RC3 .2974 FAU .03827
 FDE 1.0397 FRA .8364 FC3-2.2997 BSP 17213
 BDE 1.9835 BRA .6085 BC3 5.7890 FSP -784

SGT 5392.2 SGR 382.7 SG3 233.4
 RRT -.1821 RRF -.2030 RTF .9353
 SGB 5405.7 R23 .0324 R13 -.9354
 SG1 5392.6 SG2 376.3 THA 179.26

ST 2999.6 SR 264.8 SS 882.4
 CRT .9568 CRS -.9028 CST -.9881
 LSA 3134.1 MSA 151.4 SSA 19.9
 EL1 3010.2 EL2 76.7 ALF 4.83

LAUNCH DATE DEC 5 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 513.700

RL 147.41 LAL .00 LOL 72.65 VL 26.812 GAL 1.18 AZL 86.69 HCA 251.33 SMA 122.69 ECC .20252 INC 3.3126 V1 30.223
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.812 GAP 9.77 AZP 91.06 TAL 175.35 TAP 66.68 RCA 97.84 APO 147.54 V2 34.791
 RC 163.619 GL 23.56 GP 1.31 ZAL 78.11 ZAP 166.65 ETS 4.98 ZAE 129.31 ETE 178.97 ZAC 72.12 ETC 164.93 CLP-166.71

PLANETOCENTRIC CONIC

C3 15.015 VHL 3.875 OLA 19.82 RAL 346.29 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 6.474 DPA -10.74 RAP 339.75 ECC 1.2471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 38 2818.23 -28.24 83.16 209.79 92.15 3 31 36 2218.2 -27.65 74.54
 90.00 20 17 33 4122.00 -2.48 167.63 203.66 61.78 21 26 15 3522.0 -6.23 160.96
 100.00 4 18 33 2515.37 -29.66 60.79 209.70 93.86 5 0 28 1915.4 -28.81 52.09
 100.00 21 26 19 3900.10 -1.23 150.63 202.97 60.13 22 31 19 3300.1 -5.20 144.08
 110.00 5 53 49 2217.30 -33.27 37.70 209.25 98.36 6 30 47 1617.3 -31.75 28.80
 110.00 22 7 32 3770.93 1.84 138.91 201.05 55.86 23 10 23 3170.9 -2.65 132.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0629 TRA .7747 TC3-5.6131 BAU 1.1281
 ROE .1852 RRA -.1102 RC3 .2772 FAU .03587
 FDE 1.0240 FRA .8793 FC3-2.0683 BSP 17434
 BDE 2.0712 BRA .7825 BC3 5.6200 FSP -757

SGT 5450.7 SGR 388.8 SG3 224.8
 RRT -.1463 RRF -.1671 RTF .9358
 SGB 5464.5 R23 .0298 R13 -.9359
 SG1 5451.0 SG2 384.6 THA 179.40

ST 3074.8 SR 278.9 SS 878.5
 CRT .9512 CRS -.8970 CST -.9890
 LSA 3206.3 MSA 151.9 SSA 19.8
 EL1 3086.3 EL2 85.7 ALF 4.93

LAUNCH DATE DEC 5 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 519.385

RL 147.41 LAL .00 LOL 72.65 VL 26.770 GAL 1.63 AZL 86.67 HCA 254.49 SMA 122.43 ECC .20590 INC 3.3260 V1 30.223
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.785 GAP 10.07 AZP 90.89 TAL 173.70 TAP 68.19 RCA 97.23 APO 147.64 V2 34.794
 RC 165.775 GL 23.04 GP 1.25 ZAL 75.30 ZAP 167.58 ETS 5.27 ZAE 129.25 ETE 179.01 ZAC 74.30 ETC 165.16 CLP-167.64

PLANETOCENTRIC CONIC

C3 15.732 VHL 3.966 OLA 20.52 RAL 349.20 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 6.653 DPA -9.97 RAP 341.88 ECC 1.2589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 11 2858.43 -28.31 86.09 213.78 90.67 3 35 49 2258.4 -27.92 77.45
 90.00 20 37 13 4102.81 -3.09 166.56 207.44 61.84 21 45 36 3502.8 -6.84 159.88
 100.00 4 22 58 2552.75 -29.80 63.56 213.74 92.41 5 5 31 1952.8 -29.15 54.82
 100.00 21 45 6 3883.72 -1.79 149.73 206.71 60.16 22 49 50 3283.7 -5.75 143.18
 110.00 5 59 52 2249.61 -33.56 40.18 213.38 96.92 6 37 22 1649.6 -32.24 31.19
 110.00 22 24 42 3759.63 -1.41 138.32 204.71 55.84 23 27 21 3159.6 -3.08 132.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1502 TRA .9610 TC3-5.4137 BAU 1.1399
 ROE .1993 RRA -.1148 RC3 .2559 FAU .03358
 FDE 1.0074 FRA .9200 FC3-1.8477 BSP 17649
 BDE 2.1594 BRA .9679 BC3 5.4197 FSP -733

SGT 5503.4 SGR 394.3 SG3 216.5
 RRT -.1108 RRF -.1316 RTF .9367
 SGB 5517.5 R23 .0275 R13 -.9367
 SG1 5503.6 SG2 391.8 THA 179.54

ST 3140.4 SR 292.8 SS 871.9
 CRT .9459 CRS -.8917 CST -.9898
 LSA 3268.6 MSA 153.0 SSA 19.5
 EL1 3152.6 EL2 94.6 ALF 5.04

LAUNCH DATE DEC 5 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 525.045

RL 147.41 LAL .00 LOL 72.65 VL 26.728 GAL 2.09 AZL 86.66 HCA 257.65 SMA 122.18 ECC .20957 INC 3.3389 V1 30.223
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.758 GAP 10.38 AZP 90.71 TAL 172.05 TAP 69.71 RCA 96.58 APO 147.79 V2 34.798
 RC 167.915 GL 22.47 GP 1.20 ZAL 72.51 ZAP 168.49 ETS 5.61 ZAE 129.20 ETE 179.05 ZAC 76.49 ETC 165.38 CLP-168.55

PLANETOCENTRIC CONIC

C3 16.572 VHL 4.071 OLA 21.16 RAL 352.11 RAD 6567.7 VEL 11.745 PTH 2.07 VHP 6.841 DPA -9.18 RAP 344.02 ECC 1.2727
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 5 2898.46 -28.31 89.02 217.86 89.21 3 40 23 2298.5 -28.12 80.36
 90.00 20 56 33 4086.48 -3.62 165.64 211.30 61.90 22 4 39 3486.5 -7.35 158.95
 100.00 4 27 46 2589.94 -29.88 66.32 217.86 90.96 5 10 56 1989.9 -29.43 57.55
 100.00 22 3 33 3870.24 -2.24 148.99 210.54 60.18 23 8 3 3270.2 -6.20 142.43
 110.00 6 6 15 2281.79 -33.80 42.66 217.60 95.47 6 44 17 1681.8 -32.67 33.61
 110.00 22 41 33 3751.15 1.08 137.88 208.46 55.83 23 44 4 3151.1 -3.41 131.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2409 TRA 1.1625 TC3-5.1798 BAU 1.1488
 ROE .2142 RRA -.1186 RC3 .2337 FAU .03123
 FDE .9934 FRA .9627 FC3-1.6316 BSP 17765
 BDE 2.2511 BRA 1.1686 BC3 5.1850 FSP -704

SGT 5550.8 SGR 399.0 SG3 208.6
 RRT -.0748 RRF -.0948 RTF .9372
 SGB 5565.1 R23 .0245 R13 -.9372
 SG1 5550.9 SG2 397.9 THA 179.69

ST 3200.1 SR 306.3 SS 866.0
 CRT .9406 CRS -.8867 CST -.9906
 LSA 3325.6 MSA 155.0 SSA 19.2
 EL1 3213.0 EL2 103.6 ALF 5.15

LAUNCH DATE DEC 5 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 530.675

RL 147.41 LAL .00 LOL 72.65 VL 26.687 GAL 2.58 AZL 86.65 MCA 260.82 SMA 121.93 ECC .21356 INC 3.3515 V1 30.223
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.732 GAP 10.71 AZP 90.54 TAL 170.40 TAP 71.22 RCA 95.89 APO 147.97 V2 34.803
 RC 170.040 GL 21.84 GP 1.15 ZAL 69.76 ZAP 169.38 ETS 6.00 ZAE 129.16 ETE 179.09 ZAC 78.70 ETC 165.58 CLP-169.44

PLANETOCENTRIC CONIC

C3 17.551 VHL 4.189 OLA 21.75 RAL 355.01 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 7.039 DPA -8.35 RAP 346.16 ECC 1.2888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 22 2938.08 -28.24 91.92 222.00 87.76 3 45 20 2338.1 -28.25 83.25
 90.00 21 15 24 4073.31 -4.04 164.90 215.24 61.95 22 23 18 3473.3 -7.76 158.20
 100.00 4 32 56 2626.71 -29.89 69.06 222.04 89.52 5 16 43 2026.7 -29.64 60.26
 100.00 22 21 31 3859.91 -2.59 148.42 214.43 60.21 23 25 51 3259.9 -6.54 141.86
 110.00 6 12 59 2313.70 -33.98 45.14 221.89 94.01 6 51 33 1713.7 -33.05 36.02
 110.00 22 57 58 3745.68 .88 137.60 212.27 55.83 24 0 24 3145.7 -3.61 131.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3275 TRA 1.3723 TC3-4.9333 BAU 1.1586 SGT 5594.8 SGR 403.1 SG3 201.0 ST 3242.8 SR 319.5 SS 856.4
 RDE .2303 RRA -.1214 RC3 .2112 FAU .02912 RRT -.0400 RRF -.0597 RTF .9382 CRT .9355 CRS -.8822 CST -.9913
 FDE .9771 FRA 1.0020 FC3-1.4364 BSP 17964 SGB 5609.3 R23 .0219 R13 -.9382 LSA 3365.4 MSA 157.4 SSA 18.7
 BDE 2.3389 BRA 1.3776 BC3 4.9378 FSP -681 SG1 5594.8 SG2 402.8 THA 179.83 EL1 3256.6 EL2 112.4 ALF 5.27

LAUNCH DATE DEC 5 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 536.274

RL 147.41 LAL .00 LOL 72.65 VL 26.645 GAL 3.09 AZL 86.64 MCA 263.98 SMA 121.69 ECC .21788 INC 3.3639 V1 30.223
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.708 GAP 11.06 AZP 90.35 TAL 168.75 TAP 72.73 RCA 95.17 APO 148.20 V2 34.808
 RC 172.148 GL 21.17 GP 1.11 ZAL 67.05 ZAP 170.26 ETS 6.45 ZAE 129.13 ETE 179.14 ZAC 80.93 ETC 165.77 CLP-170.32

PLANETOCENTRIC CONIC

C3 18.685 VHL 4.323 OLA 22.27 RAL 357.89 RAD 6567.8 VEL 11.835 PTH 2.10 VHP 7.247 DPA -7.51 RAP 348.30 ECC 1.3075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 5 2977.06 -28.10 94.76 226.18 86.34 3 50 42 2377.1 -28.31 86.10
 90.00 21 33 40 4063.58 -4.35 164.36 219.23 61.99 22 41 23 3463.6 -8.07 157.65
 100.00 4 38 31 2662.88 -29.84 71.74 226.28 88.10 5 22 54 2062.9 -29.78 62.94
 100.00 22 38 55 3852.98 -2.83 148.04 218.38 60.23 23 43 8 3253.0 -6.77 141.47
 110.00 6 20 3 2345.24 -34.10 47.59 226.25 92.56 6 59 8 1745.2 -33.37 38.43
 110.00 23 13 52 3743.39 .79 137.48 216.13 55.82 24 16 16 3143.4 -3.70 131.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4141 TRA 1.5944 TC3-4.6686 BAU 1.1672 SGT 5634.3 SGR 406.5 SG3 193.6 ST 3274.6 SR 332.2 SS 845.4
 RDE .2474 RRA -.1231 RC3 .1888 FAU .02710 RRT -.0053 RRF -.0246 RTF .9393 CRT .9307 CRS -.8780 CST -.9919
 FDE .9608 FRA 1.0408 FC3-1.2557 BSP 18148 SGB 5648.9 R23 .0196 R13 -.9393 LSA 3394.4 MSA 160.3 SSA 18.2
 BDE 2.4268 BRA 1.5992 BC3 4.6724 FSP -659 SG1 5634.3 SG2 406.5 THA 179.98 EL1 3289.2 EL2 120.9 ALF 5.40

LAUNCH DATE DEC 5 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 541.837

RL 147.41 LAL .00 LOL 72.65 VL 26.605 GAL 3.63 AZL 86.62 MCA 267.15 SMA 121.45 ECC .22259 INC 3.3761 V1 30.223
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.684 GAP 11.42 AZP 90.17 TAL 167.10 TAP 74.24 RCA 94.41 APO 148.48 V2 34.814
 RC 174.239 GL 20.47 GP 1.07 ZAL 64.40 ZAP 171.13 ETS 6.98 ZAE 129.11 ETE 179.18 ZAC 83.16 ETC 165.93 CLP-171.19

PLANETOCENTRIC CONIC

C3 19.996 VHL 4.472 OLA 22.72 RAL .74 RAD 6567.8 VEL 11.890 PTH 2.11 VHP 7.467 DPA -6.64 RAP 350.45 ECC 1.3291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 14 3015.17 -27.90 97.53 230.41 84.96 3 56 29 2415.2 -28.31 88.89
 90.00 21 51 11 4057.54 -4.55 164.02 223.25 62.02 22 58 49 3457.5 -8.25 157.30
 100.00 4 44 31 2698.31 -29.73 74.37 230.56 86.73 5 29 29 2098.3 -29.87 65.57
 100.00 22 55 36 3849.64 -2.94 147.86 222.37 60.24 23 59 45 3249.6 -6.88 141.28
 110.00 6 27 26 2376.32 -34.17 50.02 230.65 91.13 7 7 2 1776.3 -33.63 40.81
 110.00 23 29 10 3744.38 .83 137.53 220.02 55.83 24 31 34 3144.4 -3.66 131.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5006 TRA 1.8303 TC3-4.3882 BAU 1.1740 SGT 5668.5 SGR 409.2 SG3 186.6 ST 3295.6 SR 344.1 SS 833.9
 RDE .2655 RRA -.1236 RC3 .1668 FAU .02512 RRT .0294 RRF .0109 RTF .9405 CRT .9261 CRS -.8742 CST -.9925
 FDE .9455 FRA 1.0794 FC3-1.0876 BSP 18318 SGB 5683.2 R23 -.0169 R13 .9405 LSA 3412.9 MSA 163.6 SSA 17.7
 BDE 2.5146 BRA 1.8344 BC3 4.3914 FSP -638 SG1 5668.5 SG2 409.0 THA .12 EL1 3311.0 EL2 129.3 ALF 5.53

LAUNCH DATE DEC 5 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 547.361

RL 147.41 LAL .00 LOL 72.65 VL 26.564 GAL 4.20 AZL 86.61 MCA 270.31 SMA 121.21 ECC .22770 INC 3.3883 V1 30.223
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.661 GAP 11.81 AZP 90.18 TAL 165.45 TAP 75.76 RCA 93.61 APO 148.81 V2 34.821
 RC 176.312 GL 19.73 GP 1.03 ZAL 61.81 ZAP 171.99 ETS 7.61 ZAE 129.10 ETE 179.22 ZAC 85.41 ETC 166.08 CLP-172.05

PLANETOCENTRIC CONIC

C3 21.508 VHL 4.638 OLA 23.11 RAL 3.53 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 7.701 DPA -5.76 RAP 352.59 ECC 1.3540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 52 3052.22 -27.65 100.21 234.65 83.64 4 2 44 2452.2 -28.24 91.60
 90.00 22 7 51 4055.40 -4.61 163.90 227.30 62.03 23 15 27 3455.4 -8.32 157.18
 100.00 4 50 55 2732.82 -29.57 76.93 234.86 85.39 5 36 28 2132.8 -29.89 68.14
 100.00 23 11 29 3850.03 -2.93 147.88 226.37 60.24 24 15 39 3250.0 -6.87 141.30
 110.00 6 35 6 2406.88 -34.18 52.40 235.09 89.72 7 15 13 1806.9 -33.84 43.17
 110.00 23 43 47 3748.74 .99 137.76 223.93 55.83 24 46 16 3148.7 -3.50 131.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5905 TRA 2.0837 TC3-4.0916 BAU 1.1772 SGT 5699.1 SGR 411.2 SG3 179.9 ST 3310.8 SR 355.2 SS 823.6
 RDE .2847 RRA -.1227 RC3 .1455 FAU .02313 RRT .0648 RRF .0475 RTF .9417 CRT .9215 CRS -.8708 CST -.9931
 FDE .9327 FRA 1.1200 FC3 -.9311 BSP 18375 SGB 5713.9 R23 -.0139 R13 .9417 LSA 3426.0 MSA 167.2 SSA 17.1
 BDE 2.6061 BRA 2.0873 BC3 4.0942 FSP -612 SG1 5699.2 SG2 410.4 THA .27 EL1 3326.9 EL2 137.3 ALF 5.66

LAUNCH DATE DEC 5 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 552.840

RL 147.41 LAL .00 LOL 72.65 VL 26.524 GAL 4.79 AZL 86.60 HCA 273.48 SMA 120.97 ECC .23326 INC 3.4005 V1 30.223
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.639 GAP 12.21 ATP 89.79 TAL 163.81 TAP 77.29 RCA 92.75 APO 149.19 V2 34.828
 RC 178.366 GL 18.98 GP 1.00 ZAL 59.29 ZAP 172.84 ETS 8.37 ZAE 129.08 ETE 179.26 ZAC 87.66 ETC 166.21 CLP-172.91

PLANETOCENTRIC CONIC

C3 23.248 VHL 4.822 DLA 23.44 RAL 6.27 RAD 6567.9 VEL 12.026 PTH 2.15 VHP 7.949 DPA -4.86 RAP 354.73 ECC 1.3826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 59 3088.01 -27.35 102.79 238.91 82.38 4 9 27 2488.0 -28.13 94.21
 90.00 22 23 34 4057.35 -4.55 164.01 231.36 62.02 23 31 11 3457.3 -8.26 157.29
 100.00 4 57 45 2766.31 -29.36 79.39 239.18 84.11 5 43 52 2166.3 -29.86 70.63
 100.00 23 26 28 3854.28 -2.78 148.11 230.38 60.23 24 30 43 3254.3 -6.73 141.54
 110.00 6 43 4 2436.86 -34.15 54.74 239.55 88.33 7 23 40 1836.9 -34.00 45.50
 110.00 0 1 35 3756.49 1.29 138.16 227.84 55.84 1 4 12 3156.5 -3.20 131.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.6758 TRA 2.3482 TC3-3.7975 BAU 1.1809 SGT 5724.6 SGR 412.6 SG3 173.4 ST 3309.8 SR 365.3 SS 810.7
 ROE .3049 RRA -.1204 RC3 .1254 FAU .02132 RRT .0994 RRF .0827 RTF .9431 CRT .9171 CRS -.8675 CST -.9936
 FDE .9180 FRA 1.1588 FC3 -.7939 BSP 18528 SGB 5739.5 R23 -.0116 R13 .9431 LSA 3422.9 MSA 170.9 SSA 16.6
 BOE 2.6931 BRA 2.3513 BC3 3.7996 FSP -592 SG1 5724.8 SG2 410.5 THA .41 EL1 3326.8 EL2 144.9 ALF 5.79

LAUNCH DATE DEC 5 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 558.267

RL 147.41 LAL .00 LOL 72.65 VL 26.485 GAL 5.42 AZL 86.59 HCA 276.65 SMA 120.74 ECC .23933 INC 3.4128 V1 30.223
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.618 GAP 12.65 ATP 89.60 TAL 162.18 TAP 78.83 RCA 91.85 APO 149.64 V2 34.836
 RC 180.400 GL 18.20 GP .97 ZAL 56.84 ZAP 173.68 ETS 9.32 ZAE 129.07 ETE 179.30 ZAC 89.91 ETC 166.31 CLP-173.76

PLANETOCENTRIC CONIC

C3 25.249 VHL 5.025 DLA 23.71 RAL 8.93 RAD 6568.0 VEL 12.109 PTH 2.17 VHP 8.214 DPA -3.95 RAP 356.87 ECC 1.4155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 24 36 3122.38 -27.02 105.25 243.18 81.19 4 16 39 2522.4 -27.96 96.71
 90.00 22 38 13 4063.49 -4.36 164.35 235.40 61.99 23 45 57 3463.5 -8.07 157.64
 100.00 5 5 0 2798.67 -29.11 81.77 243.51 82.88 5 51 39 2198.7 -29.79 73.03
 100.00 23 40 30 3862.43 -2.51 148.56 234.38 60.20 24 44 53 3262.4 -6.46 142.00
 110.00 6 51 16 2466.25 -34.07 57.03 244.02 86.98 7 32 22 1866.2 -34.11 47.79
 110.00 0 14 40 3767.63 1.71 138.74 231.75 55.85 1 17 28 3167.6 -2.78 132.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.7611 TRA 2.6283 TC3-3.5017 BAU 1.1826 SGT 5745.4 SGR 413.2 SG3 167.2 ST 3299.6 SR 374.3 SS 797.8
 ROE .3260 RRA -.1166 RC3 .1065 FAU .01958 RRT .1342 RRF .1181 RTF .9448 CRT .9127 CRS -.8644 CST -.9942
 FDE .9042 FRA 1.1980 FC3 -.6714 BSP 18660 SGB 5760.3 R23 -.0093 R13 .9448 LSA 3410.8 MSA 174.7 SSA 16.0
 BOE 2.7803 BRA 2.6308 BC3 3.5033 FSP -573 SG1 5745.7 SG2 409.5 THA .56 EL1 3317.3 EL2 152.1 ALF 5.92

LAUNCH DATE DEC 5 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 563.635

RL 147.41 LAL .00 LOL 72.65 VL 26.445 GAL 6.08 AZL 86.57 HCA 279.82 SMA 120.51 ECC .24594 INC 3.4252 V1 30.223
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.597 GAP 13.11 ATP 89.41 TAL 160.56 TAP 80.38 RCA 90.87 APO 150.15 V2 34.845
 RC 182.414 GL 17.42 GP .94 ZAL 54.48 ZAP 174.52 ETS 10.54 ZAE 129.06 ETE 179.34 ZAC 92.17 ETC 166.40 CLP-174.60

PLANETOCENTRIC CONIC

C3 27.552 VHL 5.249 DLA 23.92 RAL 11.52 RAD 6568.1 VEL 12.204 PTH 2.19 VHP 8.498 DPA -3.03 RAP 359.01 ECC 1.4534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 44 3155.24 -26.66 107.59 247.44 80.07 4 24 19 2555.2 -27.76 99.09
 90.00 22 51 45 4073.89 -4.02 164.94 239.43 61.95 23 59 39 3473.9 -7.74 158.23
 100.00 5 12 39 2829.87 -28.82 84.04 247.83 81.72 5 59 49 2229.9 -29.67 75.34
 100.00 23 53 32 3874.49 -2.10 149.22 238.36 60.17 24 58 6 3274.5 -6.05 142.67
 110.00 6 59 40 2495.03 -33.94 59.27 248.49 85.66 7 41 15 1895.0 -34.17 50.04
 110.00 0 26 55 3782.10 2.27 139.50 235.64 55.88 1 29 57 3182.1 -2.23 133.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8474 TRA 2.9259 TC3-3.2067 BAU 1.1816 SGT 5761.9 SGR 413.2 SG3 161.2 ST 3291.6 SR 382.1 SS 785.3
 ROE .3481 RRA -.1110 RC3 .0892 FAU .01789 RRT .1691 RRF .1537 RTF .9467 CRT .9085 CRS -.8616 CST -.9947
 FDE .8915 FRA 1.2382 FC3 -.5623 BSP 18771 SGB 5776.7 R23 -.0073 R13 .9466 LSA 3391.1 MSA 178.3 SSA 15.4
 BOE 2.8686 BRA 2.9280 BC3 3.2079 FSP -554 SG1 5762.3 SG2 407.2 THA .70 EL1 3300.0 EL2 158.8 ALF 6.05

LAUNCH DATE DEC 5 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 568.937

RL 147.41 LAL .00 LOL 72.65 VL 26.407 GAL 6.79 AZL 86.56 HCA 283.00 SMA 120.29 ECC .25317 INC 3.4380 V1 30.223
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.578 GAP 13.61 ATP 89.23 TAL 158.96 TAP 81.95 RCA 89.84 APO 150.75 V2 34.854
 RC 184.407 GL 16.63 GP .92 ZAL 52.20 ZAP 175.36 ETS 12.18 ZAE 129.04 ETE 179.39 ZAC 94.43 ETC 166.47 CLP-175.45

PLANETOCENTRIC CONIC

C3 30.203 VHL 5.496 DLA 24.07 RAL 14.03 RAD 6568.2 VEL 12.312 PTH 2.22 VHP 8.802 DPA -2.10 RAP 1.14 ECC 1.4971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 21 3186.51 -26.27 109.80 251.68 79.03 4 32 27 2586.5 -27.52 101.35
 90.00 23 4 8 4088.54 -3.55 165.76 243.41 61.89 24 12 17 3488.5 -7.29 159.07
 100.00 5 20 39 2859.87 -28.51 86.22 252.14 80.61 6 8 19 2259.9 -29.51 77.56
 100.00 0 9 27 3890.41 -1.56 150.09 242.31 60.14 1 14 17 3290.4 -5.52 143.55
 110.00 7 8 16 2523.22 -33.77 61.46 252.95 84.38 7 50 19 1923.2 -34.18 52.24
 110.00 0 38 20 3799.82 2.94 140.42 239.50 55.93 1 41 40 3199.8 -1.55 134.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9379 TRA 3.2457 TC3-2.9115 BAU 1.1760 SGT 5775.6 SGR 412.5 SG3 155.6 ST 3259.9 SR 388.5 SS 774.6
 ROE .3711 RRA -.1036 RC3 .0736 FAU .01619 RRT .2047 RRF .1900 RTF .9486 CRT .9043 CRS -.8590 CST -.9952
 FDE .8815 FRA 1.2811 FC3 -.4641 BSP 18776 SGB 5790.3 R23 -.0052 R13 .9486 LSA 3368.2 MSA 181.8 SSA 14.9
 BOE 2.9613 BRA 3.2473 BC3 2.9125 FSP -532 SG1 5776.2 SG2 403.8 THA .84 EL1 3278.8 EL2 164.9 ALF 6.17

LAUNCH DATE DEC 5 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 574.158

RL 147.41 LAL .00 LOL 72.65 VL 26.368 GAL 7.54 AZL 86.55 MCA 286.17 SMA 120.07 ECC .26108 INC 3.4510 V1 30.223
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.560 GAP 14.15 AZP 89.04 TAL 157.38 TAP 83.55 RCA 88.72 APO 151.42 V2 34.863
 RC 186.379 GL 15.83 GP .89 ZAL 50.02 ZAP 176.20 ETS 14.53 ZAE 129.02 ETE 179.43 ZAC 96.68 ETC 166.51 CLP-176.31

PLANETOCENTRIC CONIC

C3 33.258 VML 5.767 OLA 24.17 RAL 16.44 RAD 6568.3 VEL 12.435 PTH 2.25 VHP 9.131 DPA -1.16 RAP 3.27 ECC 1.5473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 26 3216.16 -25.87 111.87 255.91 78.06 4 41 2 2616.2 -27.26 103.48
 90.00 23 15 19 4107.36 -2.95 166.81 247.35 61.82 24 23 47 3507.4 -6.69 160.13
 100.00 5 29 0 2888.68 -28.17 88.29 256.42 79.57 6 17 8 2288.7 -29.32 79.68
 100.00 0 20 22 3910.07 -.89 151.17 246.21 60.12 1 25 32 3310.1 -4.86 144.64
 110.00 7 16 59 2550.84 -33.57 63.59 257.38 83.13 7 59 30 1950.8 -34.15 54.40
 110.00 0 48 52 3820.68 3.74 141.51 243.32 56.00 1 52 33 3220.7 -.75 135.31

DIFFERENTIAL CORRECTIONS

TDE 3.0252 TRA 3.5805 TC3-2.6304 BAU 1.1699
 RDE .3947 RRA -.0943 RC3 .0596 FAU .01464
 FDE .8708 FRA 1.3235 FC3 -.3811 BSP 18885
 BDE 3.0508 BRA 3.5817 BC3 2.6311 FSP -515

MID-COURSE EXECUTION ACCURACY

SGT 5782.7 SGR 411.2 SG3 150.1
 RRT .2397 RRF .2255 RTF .9508
 SGB 5797.3 R23 -.0036 R13 .9508
 SG1 5783.6 SG2 399.1 THA .98

ORBIT DETERMINATION ACCURACY

ST 3226.4 SR 393.4 SS 763.1
 CRT .9001 CRS -.8566 CST -.9956
 LSA 3333.5 MSA 185.0 SSA 14.3
 EL1 3245.9 EL2 170.3 ALF 6.28

LAUNCH DATE DEC 5 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 579.288

RL 147.41 LAL .00 LOL 72.65 VL 26.331 GAL 8.34 AZL 86.54 MCA 289.35 SMA 119.86 ECC .26976 INC 3.4645 V1 30.223
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.542 GAP 14.73 AZP 88.85 TAL 155.82 TAP 85.17 RCA 87.52 APO 152.19 V2 34.873
 RC 188.330 GL 15.04 GP .87 ZAL 47.92 ZAP 177.04 ETS 18.19 ZAE 128.99 ETE 179.47 ZAC 98.93 ETC 166.53 CLP-177.17

PLANETOCENTRIC CONIC

C3 36.786 VML 6.065 OLA 24.21 RAL 18.76 RAD 6568.4 VEL 12.576 PTH 2.28 VHP 9.486 DPA -.23 RAP 5.38 ECC 1.6054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 56 3244.22 -25.46 113.83 260.11 77.17 4 50 0 2644.2 -26.97 105.49
 90.00 23 25 19 4130.22 -2.21 168.09 251.22 61.76 24 34 9 3530.2 -5.97 161.42
 100.00 5 37 38 2916.33 -27.82 90.27 260.68 78.59 6 26 14 2316.3 -29.11 81.70
 100.00 0 30 14 3933.34 -.10 152.45 250.05 60.11 1 35 48 3333.3 -4.08 145.92
 110.00 7 25 48 2577.92 -33.33 65.67 261.78 81.92 8 8 46 1977.9 -34.09 56.51
 110.00 0 58 34 3844.52 4.64 142.76 247.10 56.10 2 2 38 3244.5 .16 136.55

DIFFERENTIAL CORRECTIONS

TDE 3.1148 TRA 3.9375 TC3-2.3583 BAU 1.1601
 RDE .4191 RRA -.0829 RC3 .0473 FAU .01313
 FDE .8615 FRA 1.3679 FC3 -.3091 BSP 18966
 BDE 3.1429 BRA 3.9384 BC3 2.3588 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 5785.8 SGR 409.2 SG3 144.8
 RRT .2748 RRF .2610 RTF .9532
 SGB 5800.2 R23 -.0023 R13 .9532
 SG1 5786.9 SG2 393.4 THA 1.12

ORBIT DETERMINATION ACCURACY

ST 3187.8 SR 396.8 SS 752.6
 CRT .8960 CRS -.8543 CST -.9961
 LSA 3294.0 MSA 187.7 SSA 13.8
 EL1 3207.7 EL2 175.1 ALF 6.38

LAUNCH DATE DEC 5 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 584.308

RL 147.41 LAL .00 LOL 72.65 VL 26.294 GAL 9.19 AZL 86.52 MCA 292.53 SMA 119.65 ECC .27930 INC 3.4785 V1 30.223
 RP 108.63 LAP -3.21 LOP 5.21 VP 36.525 GAP 15.36 AZP 88.67 TAL 154.30 TAP 86.83 RCA 86.23 APO 153.06 V2 34.884
 RC 190.259 GL 14.26 GP .85 ZAL 45.92 ZAP 177.86 ETS 24.72 ZAE 128.94 ETE 179.52 ZAC 101.17 ETC 166.52 CLP-178.04

PLANETOCENTRIC CONIC

C3 40.871 VML 6.393 OLA 24.21 RAL 20.98 RAD 6568.6 VEL 12.737 PTH 2.32 VHP 9.872 DPA .71 RAP 7.49 ECC 1.6726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 4 48 3270.73 -25.04 115.66 264.28 76.34 4 59 19 2670.7 -26.68 107.37
 90.00 23 34 9 4156.91 -1.35 169.58 255.04 61.71 24 43 25 3556.9 -5.12 162.93
 100.00 5 46 30 2942.86 -27.45 92.15 264.90 77.66 6 35 33 2342.9 -28.87 83.64
 100.00 0 39 4 3960.02 .80 153.91 253.84 60.12 1 45 4 3360.0 -3.18 147.39
 110.00 7 34 39 2604.46 -33.06 67.69 266.14 80.76 8 18 4 2004.5 -33.98 58.57
 110.00 1 7 24 3871.18 5.65 144.17 250.82 56.23 2 11 55 3271.2 1.18 137.94

DIFFERENTIAL CORRECTIONS

TDE 3.2075 TRA 4.3182 TC3-2.0971 BAU 1.1460
 RDE .4442 RRA -.0693 RC3 .0368 FAU .01167
 FDE .8540 FRA 1.4149 FC3 -.2471 BSP 19035
 BDE 3.2381 BRA 4.3187 BC3 2.0974 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 5784.4 SGR 406.6 SG3 139.8
 RRT .3101 RRF .2967 RTF .9558
 SGB 5798.6 R23 -.0012 R13 .9558
 SG1 5785.7 SG2 386.5 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 3144.9 SR 398.6 SS 743.6
 CRT .8920 CRS -.8523 CST -.9965
 LSA 3250.5 MSA 189.9 SSA 13.2
 EL1 3165.0 EL2 179.0 ALF 6.47

LAUNCH DATE DEC 5 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 589.200

RL 147.41 LAL .00 LOL 72.65 VL 26.257 GAL 10.11 AZL 86.51 MCA 295.71 SMA 119.44 ECC .28981 INC 3.4932 V1 30.223
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.510 GAP 16.04 AZP 88.48 TAL 152.82 TAP 88.53 RCA 84.82 APO 154.05 V2 34.895
 RC 192.167 GL 13.49 GP .84 ZAL 44.02 ZAP 178.64 ETS 39.19 ZAE 128.88 ETE 179.56 ZAC 103.39 ETC 166.49 CLP-178.93

PLANETOCENTRIC CONIC

C3 45.614 VML 6.754 OLA 24.17 RAL 23.09 RAD 6568.7 VEL 12.922 PTH 2.36 VHP 10.293 DPA 1.64 RAP 9.59 ECC 1.7507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 59 3295.77 -24.63 117.38 268.40 75.57 5 8 55 2695.8 -26.37 109.14
 90.00 23 41 49 4187.18 -.38 171.27 258.78 61.69 24 51 36 3587.2 -4.16 164.63
 100.00 5 55 33 2968.31 -27.06 93.95 269.07 76.79 6 45 1 2368.3 -28.61 85.49
 100.00 0 46 52 3989.88 1.81 155.55 257.56 60.16 1 53 22 3389.9 -2.17 149.03
 110.00 7 43 32 2630.49 -32.75 69.66 270.44 79.63 8 27 22 2030.5 -33.84 60.59
 110.00 1 15 23 3900.46 6.76 145.71 254.50 56.41 2 20 23 3300.5 2.30 139.47

DIFFERENTIAL CORRECTIONS

TDE 3.3085 TRA 4.7292 TC3-1.8444 BAU 1.1249
 RDE .4700 RRA -.0531 RC3 .0280 FAU .01016
 FDE .8498 FRA 1.4662 FC3 -.1928 BSP 18986
 BDE 3.3417 BRA 4.7295 BC3 1.8446 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 5781.1 SGR 403.5 SG3 135.1
 RRT .3461 RRF .3331 RTF .9586
 SGB 5795.2 R23 -.0002 R13 .9586
 SG1 5782.8 SG2 378.5 THA 1.39

ORBIT DETERMINATION ACCURACY

ST 3102.2 SR 399.0 SS 737.2
 CRT .8883 CRS -.8508 CST -.9970
 LSA 3207.7 MSA 191.5 SSA 12.7
 EL1 3122.4 EL2 182.1 ALF 6.54

LAUNCH DATE DEC 5 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 593.937

RL 147.41 LAL .00 LOL 72.65 VL 26.221 GAL 11.10 AZL 86.49 HCA 298.89 SMA 119.24 ECC .30142 INC 3.5086 V1 30.223
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.495 GAP 16.80 AZP 88.30 TAL 151.39 TAP 90.28 RCA 83.30 APO 155.18 V2 34.906
 RC 194.054 GL 12.72 GP .82 ZAL 42.22 ZAP 179.16 ETS 79.78 ZAE 128.80 ETE 179.60 ZAC 105.59 ETC 166.43 CLP -179.83

PLANETOCENTRIC CONIC

C3 51.143 VHL 7.151 DLA 24.08 RAL 25.10 RAD 6568.9 VEL 13.134 PTH 2.40 VHP 10.754 DPA 2.57 RAP 11.67 ECC 1.8417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 24 3319.39 -24.22 118.98 272.47 74.86 5 18 44 2719.4 -26.07 110.80
 90.00 23 48 23 4220.77 .71 173.14 262.44 61.69 24 58 44 3620.8 -3.08 166.51
 100.00 6 4 44 2992.70 -26.67 95.66 273.18 75.98 6 54 37 2392.7 -28.34 87.25
 100.00 0 53 41 4022.69 2.92 157.35 261.21 60.24 2 0 43 3422.7 -1.06 150.83
 110.00 7 52 22 2655.98 -32.43 71.58 274.68 78.54 8 36 38 2056.0 -33.67 62.56
 110.00 1 22 32 3932.18 7.95 147.40 258.10 56.64 2 28 4 3332.2 3.51 141.13

DIFFERENTIAL CORRECTIONS

TOE 3.4098 TRA 5.1664 TC3-1.6097 BAU 1.1007
 RDE .4962 RRA -.0345 RC3 .0207 FAU .00876
 FDE .8459 FRA 1.5195 FC3 -.1482 BSP 19017
 BOE 3.4457 BRA 5.1666 BC3 1.6098 FSP -447

MID-COURSE EXECUTION ACCURACY

SGT 5772.2 SGR 399.8 SG3 130.5
 RRT .3816 RRF .3689 RTF .9616
 SGB 5786.0 R23 .0005 R13 .9616
 SG1 5774.2 SG2 369.4 THA 1.52

ORBIT DETERMINATION ACCURACY

ST 3052.5 SR 397.6 SS 731.3
 CRT .8845 CRS -.8493 CST -.9974
 LSA 3158.1 MSA 192.4 SSA 12.2
 EL1 3072.8 EL2 184.3 ALF 6.60

LAUNCH DATE DEC 5 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 598.489

RL 147.41 LAL .00 LOL 72.65 VL 26.186 GAL 12.18 AZL 86.47 HCA 302.07 SMA 119.04 ECC .31428 INC 3.5251 V1 30.223
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.481 GAP 17.63 AZP 88.13 TAL 150.02 TAP 92.09 RCA 81.63 APO 156.45 V2 34.918
 RC 195.918 GL 11.97 GP .81 ZAL 40.52 ZAP 178.89 ETS 134.95 ZAE 128.69 ETE 179.65 ZAC 107.77 ETC 166.35 CLP 179.24

PLANETOCENTRIC CONIC

C3 57.615 VHL 7.590 DLA 23.95 RAL 26.99 RAD 6569.0 VEL 13.378 PTH 2.45 VHP 11.261 DPA 3.49 RAP 13.73 ECC 1.9482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 0 3341.65 -23.82 120.49 276.48 74.21 5 28 42 2741.6 -25.75 112.36
 90.00 23 53 52 4257.37 1.89 175.18 266.01 61.74 25 4 50 3657.4 -1.90 168.55
 100.00 6 13 59 3016.06 -26.28 97.28 277.22 75.21 7 4 15 2416.1 -28.05 88.93
 100.00 0 59 30 4058.19 4.12 159.31 264.77 60.37 2 7 9 3458.2 .14 152.78
 110.00 8 1 7 2680.90 -32.07 73.43 278.83 77.49 8 45 48 2080.9 -33.46 64.48
 110.00 1 28 52 3966.11 9.22 149.21 261.65 56.94 2 34 58 3366.1 4.80 142.91

DIFFERENTIAL CORRECTIONS

TOE 3.5178 TRA 5.6333 TC3-1.3886 BAU 1.0697
 RDE .5229 RRA -.0132 RC3 .0149 FAU .00736
 FDE .8444 FRA 1.5770 FC3 -.1106 BSP 19081
 BOE 3.5564 BRA 5.6333 BC3 1.3887 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 5757.0 SGR 395.5 SG3 126.1
 RRT .4171 RRF .4046 RTF .9646
 SGB 5770.5 R23 .0007 R13 .9646
 SG1 5759.3 SG2 359.3 THA 1.65

ORBIT DETERMINATION ACCURACY

ST 3000.5 SR 394.7 SS 727.4
 CRT .8810 CRS -.8481 CST -.9977
 LSA 3106.6 MSA 192.4 SSA 11.7
 EL1 3020.7 EL2 185.5 ALF 6.64

LAUNCH DATE DEC 5 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 602.814

RL 147.41 LAL .00 LOL 72.65 VL 26.152 GAL 13.34 AZL 86.46 HCA 305.26 SMA 118.85 ECC .32857 INC 3.5428 V1 30.223
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.468 GAP 18.54 AZP 87.95 TAL 148.72 TAP 93.98 RCA 79.80 APO 157.90 V2 34.930
 RC 197.761 GL 11.23 GP .79 ZAL 38.93 ZAP 178.11 ETS 157.02 ZAE 128.55 ETE 179.69 ZAC 109.92 ETC 166.24 CLP 178.28

PLANETOCENTRIC CONIC

C3 65.231 VHL 8.077 DLA 23.78 RAL 28.76 RAD 6569.2 VEL 13.660 PTH 2.50 VHP 11.822 DPA 4.39 RAP 15.77 ECC 2.0735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 42 42 3362.57 -23.42 121.90 280.41 73.62 5 38 45 2762.6 -25.45 113.81
 90.00 0 2 15 4296.66 3.15 177.38 269.48 61.84 1 13 52 3696.7 -.63 170.74
 100.00 6 23 16 3038.35 -25.88 98.82 281.18 74.49 7 13 54 2438.4 -27.76 90.52
 100.00 1 4 23 4096.11 5.39 161.41 268.25 60.55 2 12 39 3496.1 1.43 154.86
 110.00 8 9 46 2705.17 -31.70 75.23 282.90 76.49 8 54 51 2105.2 -33.23 66.34
 110.00 1 34 23 4002.06 10.55 151.15 265.11 57.29 2 41 5 3402.1 6.16 144.80

DIFFERENTIAL CORRECTIONS

TOE 3.6346 TRA 6.1391 TC3-1.1813 BAU 1.0302
 RDE .5501 RRA .0112 RC3 .0105 FAU .00594
 FDE .8455 FRA 1.6399 FC3 -.0789 BSP 19095
 BOE 3.6760 BRA 6.1391 BC3 1.1813 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 5739.1 SGR 390.7 SG3 121.9
 RRT .4527 RRF .4405 RTF .9678
 SGB 5752.4 R23 .0009 R13 .9678
 SG1 5741.9 SG2 348.2 THA 1.77

ORBIT DETERMINATION ACCURACY

ST 2947.9 SR 390.2 SS 726.0
 CRT .8779 CRS -.8474 CST -.9981
 LSA 3054.9 MSA 191.6 SSA 11.2
 EL1 2967.8 EL2 185.6 ALF 6.65

LAUNCH DATE DEC 5 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 606.863

RL 147.41 LAL .00 LOL 72.65 VL 26.119 GAL 14.62 AZL 86.44 HCA 308.45 SMA 118.66 ECC .34451 INC 3.5620 V1 30.223
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.456 GAP 19.56 AZP 87.78 TAL 147.50 TAP 95.95 RCA 77.78 APO 159.55 V2 34.942
 RC 199.580 GL 10.50 GP .78 ZAL 37.45 ZAP 177.17 ETS 165.85 ZAE 128.37 ETE 179.73 ZAC 112.04 ETC 166.10 CLP 177.28

PLANETOCENTRIC CONIC

C3 74.243 VHL 8.616 DLA 23.57 RAL 30.41 RAD 6569.4 VEL 13.985 PTH 2.55 VHP 12.445 DPA 5.27 RAP 17.78 ECC 2.2219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 27 3382.15 -23.04 123.21 284.24 73.07 5 48 49 2782.2 -25.14 115.17
 90.00 0 5 42 4338.34 4.49 179.71 272.85 62.01 1 18 0 3738.3 .71 173.07
 100.00 6 32 30 3059.53 -25.49 100.27 285.03 73.83 7 23 30 2459.5 -27.46 92.02
 100.00 1 8 19 4136.20 6.73 163.63 271.63 60.81 2 17 15 3536.2 2.79 157.06
 110.00 8 18 15 2728.70 -31.31 76.95 286.85 75.53 9 3 44 2128.7 -32.98 68.13
 110.00 1 39 4 4039.79 11.93 153.20 268.50 57.73 2 46 23 3439.8 7.58 146.80

DIFFERENTIAL CORRECTIONS

TOE 3.7661 TRA 6.6899 TC3 -.9860 BAU .9787
 RDE .5780 RRA .0389 RC3 .0074 FAU .00444
 FDE .8509 FRA 1.7102 FC3 -.0518 BSP 18998
 BOE 3.8102 BRA 6.6901 BC3 .9860 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 5719.6 SGR 385.6 SG3 118.1
 RRT .4887 RRF .4769 RTF .9711
 SGB 5732.6 R23 .0008 R13 .9711
 SG1 5722.7 SG2 336.2 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 2897.3 SR 384.4 SS 728.2
 CRT .8752 CRS -.8473 CST -.9984
 LSA 3006.0 MSA 189.9 SSA 10.6
 EL1 2916.8 EL2 184.7 ALF 6.65

LAUNCH DATE DEC 5 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.086 GAL 16.03 AZL 86.42 MCA 311.64 SMA 118.49 ECC .36234 INC 3.5829 V1 30.223
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.445 GAP 20.70 AZP 87.62 TAL 146.39 TAP 98.03 RCA 75.55 APO 161.42 V2 34.955
 RC 201.376 GL 9.79 GP .77 ZAL 36.09 ZAP 176.16 ETS 170.42 ZAE 128.14 ETE 179.77 ZAC 114.10 ETC 165.93 CLP 176.23

DISTANCE 610.569

PLANETOCENTRIC CONIC
 C3 84.979 VML 9.218 DLA 23.32 RAL 31.94 RAD 6569.7 VEL 14.364 PTH 2.61 VHP 13.141 DPA 6.14 RAP 19.75 ECC 2.3985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 10 3400.30 -22.68 124.41 287.95 72.57 5 58 50 2800.3 -24.85 116.41
 90.00 0 8 8 4382.12 5.88 182.17 276.11 62.25 1 21 10 3782.1 2.12 175.51
 100.00 6 41 40 3079.47 -25.10 101.62 288.77 73.21 7 32 59 2479.5 -27.16 93.43
 100.00 1 11 18 4178.19 8.12 165.98 274.90 61.13 2 20 57 3578.2 4.20 159.37
 110.00 8 26 33 2751.32 -30.92 78.60 290.67 74.64 9 12 24 2151.3 -32.71 69.84
 110.00 1 42 54 4079.10 13.34 155.36 271.79 58.23 2 50 54 3479.1 9.05 148.89

DIFFERENTIAL CORRECTIONS
 TDE 3.9052 TRA 7.2826 TC3 -.8081 BAU .9181 SGT 5692.8 SGR 379.9 SG3 114.3 ST 2842.5 SR 377.0 SS 732.2
 RDE .6062 RRA .0699 RC3 .0053 FAU .00294 RRT .5240 RRF .5127 RTF .9744 CRT .8728 CRS -.8474 CST -.9987
 FDE .8580 FRA 1.7863 FC3 -.0300 BSP 19015 SGB 5705.5 R23 .0005 R13 .9744 LSA 2953.5 MSA 187.2 SSA 10.1
 BDE 3.9519 BRA 7.2830 BC3 .8081 FSP -390 SGI 5696.3 SG2 323.3 THA 2.01 EL1 2861.6 EL2 182.8 ALF 6.63

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.055 GAL 17.58 AZL 86.39 MCA 314.83 SMA 118.32 ECC .38238 INC 3.6061 V1 30.223
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.435 GAP 21.98 AZP 87.46 TAL 145.40 TAP 100.23 RCA 73.07 APO 163.56 V2 34.968
 RC 203.147 GL 9.09 GP .76 ZAL 34.85 ZAP 175.07 ETS 173.22 ZAE 127.85 ETE 179.81 ZAC 116.11 ETC 165.74 CLP 175.13

DISTANCE 613.849

PLANETOCENTRIC CONIC
 C3 97.861 VML 9.892 DLA 23.04 RAL 33.32 RAD 6569.9 VEL 14.806 PTH 2.68 VHP 13.922 DPA 6.97 RAP 21.68 ECC 2.6105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 47 3416.90 -22.33 125.51 291.53 72.12 6 8 44 2816.9 -24.57 117.55
 90.00 0 9 33 4427.72 7.32 184.75 279.23 62.57 1 23 21 3827.7 3.59 178.06
 100.00 6 50 41 3098.00 -24.73 102.88 292.36 72.65 7 42 19 2498.0 -26.87 94.73
 100.00 1 13 20 4221.84 9.54 168.43 278.04 61.54 2 23 42 3621.8 5.67 161.79
 110.00 8 34 37 2772.84 -30.52 80.15 294.33 73.80 9 20 50 2172.8 -32.43 71.46
 110.00 1 45 53 4119.77 14.79 157.62 274.97 58.83 2 54 33 3519.8 10.55 151.08

DIFFERENTIAL CORRECTIONS
 TDE 4.0607 TRA 7.9294 TC3 -.6437 BAU .8422 SGT 5662.1 SGR 373.8 SG3 110.7 ST 2788.3 SR 368.4 SS 739.9
 RDE .6351 RRA .1047 RC3 .0042 FAU .00133 RRT .5592 RRF .5484 RTF .9777 CRT .8711 CRS -.8482 CST -.9989
 FDE .8693 FRA 1.8713 FC3 -.0118 BSP 19009 SGB 5674.5 R23 .0001 R13 .9777 LSA 2902.4 MSA 183.6 SSA 9.6
 BDE 4.1101 BRA 7.9300 BC3 .6437 FSP -377 SGI 5666.0 SG2 309.7 THA 2.12 EL1 2806.8 EL2 179.7 ALF 6.59

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 26.026 GAL 19.31 AZL 86.37 MCA 318.03 SMA 118.15 ECC .40499 INC 3.6320 V1 30.223
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.426 GAP 23.44 AZP 87.30 TAL 144.56 TAP 102.58 RCA 70.30 APO 166.00 V2 34.981
 RC 204.893 GL 8.40 GP .75 ZAL 33.76 ZAP 173.91 ETS 175.11 ZAE 127.48 ETE 179.85 ZAC 118.05 ETC 165.52 CLP 173.95

DISTANCE 616.590

PLANETOCENTRIC CONIC
 C3 113.446 VML 10.651 DLA 22.71 RAL 34.56 RAD 6570.2 VEL 15.323 PTH 2.74 VHP 14.806 DPA 7.77 RAP 23.55 ECC 2.8670
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 21 16 3431.73 -22.02 126.48 294.95 71.73 6 18 28 2831.7 -24.31 118.56
 90.00 0 9 56 4474.87 8.79 187.44 282.21 62.97 1 24 31 3874.9 5.10 180.71
 100.00 6 59 32 3114.91 -24.58 104.01 295.78 72.15 7 51 27 2514.9 -26.59 95.91
 100.00 1 14 22 4266.92 10.99 170.99 281.05 62.03 2 25 29 3666.9 7.17 164.29
 110.00 8 42 25 2793.01 -30.13 81.59 297.81 73.03 9 28 58 2193.0 -32.15 72.96
 110.00 1 47 57 4161.59 16.25 159.98 278.02 59.50 2 57 19 3561.6 12.08 153.36

DIFFERENTIAL CORRECTIONS
 TDE 4.2362 TRA 8.6379 TC3 -.4930 BAU .7478 SGT 5627.6 SGR 367.4 SG3 107.3 ST 2734.5 SR 358.5 SS 751.6
 RDE .6648 RRA .1436 RC3 .0039 FAU-.00045 RRT .5941 RRF .5839 RTF .9808 CRT .8700 CRS -.8496 CST -.9991
 FDE .8852 FRA 1.9671 FC3 .0034 BSP 18977 SGB 5639.6 R23 -.0005 R13 .9808 LSA 2852.9 MSA 178.9 SSA 9.1
 BDE 4.2880 BRA 8.6391 BC3 .4930 FSP -366 SGI 5631.9 SG2 295.3 THA 2.23 EL1 2752.3 EL2 175.6 ALF 6.53

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 5 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC
 RL 147.41 LAL .00 LOL 72.65 VL 25.998 GAL 21.26 AZL 86.34 MCA 321.23 SMA 118.00 ECC .43059 INC 3.6613 V1 30.223
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.419 GAP 25.09 AZP 87.14 TAL 143.90 TAP 105.13 RCA 67.19 APO 168.81 V2 34.994
 RC 206.614 GL 7.73 GP .74 ZAL 32.82 ZAP 172.65 ETS 176.48 ZAE 127.03 ETE 179.90 ZAC 119.91 ETC 165.28 CLP 172.69

DISTANCE 618.648

PLANETOCENTRIC CONIC
 C3 132.471 VML 11.510 DLA 22.35 RAL 35.63 RAD 6570.4 VEL 15.931 PTH 2.82 VHP 15.811 DPA 8.53 RAP 25.35 ECC 3.1801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 34 3444.51 -21.74 127.32 298.16 71.40 6 27 59 2844.5 -24.08 119.43
 90.00 0 9 13 4523.37 10.28 190.22 285.02 63.47 1 24 36 3923.4 6.63 183.44
 100.00 7 8 9 3129.88 -24.07 105.01 299.01 71.71 8 0 19 2529.9 -26.34 96.95
 100.00 1 14 20 4313.23 12.46 173.65 283.89 62.61 2 26 13 3713.2 8.69 166.89
 110.00 8 49 55 2811.49 -29.75 82.90 301.07 72.34 9 36 46 2211.5 -31.88 74.33
 110.00 1 49 3 4204.38 17.71 162.44 280.93 60.27 2 59 7 3604.4 13.62 155.72

DIFFERENTIAL CORRECTIONS
 TDE 4.4405 TRA 9.4215 TC3 -.3542 BAU .6273 SGT 5591.5 SGR 360.8 SG3 104.2 ST 2683.5 SR 347.6 SS 768.7
 RDE .6956 RRA .1873 RC3 .0043 FAU-.00252 RRT .6288 RRF .6193 RTF .9839 CRT .8699 CRS -.8519 CST -.9993
 FDE .9078 FRA 2.0767 FC3 .0165 BSP 18817 SGB 5603.2 R23 -.0011 R13 .9839 LSA 2807.6 MSA 173.2 SSA 8.6
 BDE 4.4946 BRA 9.4233 BC3 .3542 FSP -352 SGI 5596.1 SG2 280.3 THA 2.33 EL1 2700.6 EL2 170.3 ALF 6.45

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 14 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.799 GAL -7.50 AZL 86.63 HCA 82.60 SMA 122.58 ECC .23937 INC 3.3696 V1 30.228
 RP 107.55 LAP 3.34 LOP 156.25 VP 37.221 GAP -11.95 AZP 89.57 TAL 205.53 TAP 288.13 RCA 93.24 APO 151.92 V2 35.236
 RC 47.916 GL 17.57 GP -.75 ZAL 129.02 ZAP 8.60 ETS 3.06 ZAE 148.54 ETE 338.62 ZAC 63.43 ETC 162.57 CLP -8.57

DISTANCE 185.136

PLANETOCENTRIC CONIC
 C3 26.762 VHL 5.173 DLA -2.49 RAL 300.69 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 7.899 OPA -16.01 RAP 331.26 ECC 1.4404
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 44 2207.99 -19.41 41.06 166.16 111.03 3 21 32 1608.0 -16.38 33.70
 90.00 14 5 46 5006.67 22.86 220.04 167.55 72.83 15 29 12 4406.7 20.30 212.31
 100.00 4 4 54 1949.35 -20.53 21.57 165.68 112.22 4 37 24 1349.3 -17.34 14.23
 100.00 15 28 16 4740.55 24.01 200.07 167.15 71.64 16 47 17 4140.6 21.28 192.33
 110.00 5 10 29 1744.06 -23.53 4.56 164.25 115.54 5 39 33 1144.1 -19.90 357.30
 110.00 16 39 11 4518.61 27.10 181.97 165.90 68.32 17 54 29 3918.6 23.91 174.26

DIFFERENTIAL CORRECTIONS
 TOE -.2286 TRA -.3854 TC3 .4575 BAU .1724 SGT 686.1 SGR 402.0 SG3 118.2 ST 284.1 SR 364.1 SS 308.7
 ROE -.3282 RRA .0633 RC3 -.1513 FAU .03813 RRT -.0438 RRF .0420 RTF -.6707 CRT .8628 CRS .9921 CST .8223
 FDE .4032 FRA -.1853 FC3 -1.2334 BSP 1913 SGB 795.2 R23 .0026 R13 .6708 LSA 538.5 MSA 134.6 SSA 23.7
 BOE .4000 BRA .3906 BC3 .4819 FSP -299 SG1 686.5 SG2 401.4 THA 177.77 EL1 446.8 EL2 117.1 ALF 53.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 16 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.984 GAL -7.48 AZL 86.62 HCA 85.84 SMA 123.72 ECC .23012 INC 3.3788 V1 30.228
 RP 107.56 LAP 3.37 LOP 159.50 VP 37.349 GAP -11.02 AZP 89.75 TAL 206.98 TAP 292.82 RCA 95.25 APO 152.19 V2 35.230
 RC 49.420 GL 18.16 GP -.80 ZAL 130.34 ZAP 11.18 ETS 3.00 ZAE 147.90 ETE 339.29 ZAC 64.08 ETC 162.68 CLP -11.15

DISTANCE 191.951

PLANETOCENTRIC CONIC
 C3 25.597 VHL 5.059 DLA -2.24 RAL 299.07 RAD 6568.0 VEL 12.123 PTH 2.17 VHP 7.392 OPA -15.84 RAP 331.93 ECC 1.4213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 36 21 2204.98 -19.33 40.87 163.86 111.10 3 13 6 1605.0 -16.29 33.52
 90.00 14 1 13 4987.65 22.48 218.78 165.07 72.31 15 24 21 4387.6 19.85 211.09
 100.00 3 56 39 1945.94 -20.44 21.36 163.39 112.30 4 29 5 1345.9 -17.24 14.03
 100.00 15 23 36 4721.91 23.61 198.83 164.67 71.11 16 42 18 4121.9 20.81 191.15
 110.00 5 2 31 1739.79 -23.41 4.29 161.97 115.65 5 31 30 1139.8 -19.76 357.05
 110.00 16 34 14 4500.83 26.65 180.79 163.41 67.75 17 49 15 3900.8 23.39 173.14

DIFFERENTIAL CORRECTIONS
 TOE -.2318 TRA -.3644 TC3 .4984 BAU .1791 SGT 702.7 SGR 401.6 SG3 134.2 ST 290.6 SR 362.5 SS 333.6
 ROE -.3196 RRA .0570 RC3 -.1596 FAU .04204 RRT -.0464 RRF .0455 RTF -.6833 CRT .8782 CRS .9896 CST .8246
 FDE .4537 FRA -.2453 FC3 -1.4218 BSP 1974 SGB 809.4 R23 .0016 R13 .6835 LSA 555.2 MSA 135.4 SSA 24.4
 BOE .3948 BRA .3689 BC3 .5233 FSP -346 SG1 703.1 SG2 400.9 THA 177.75 EL1 451.0 EL2 111.7 ALF 52.12

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 27.149 GAL -7.48 AZL 86.61 HCA 89.08 SMA 124.76 ECC .22200 INC 3.3879 V1 30.228
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.462 GAP -10.13 AZP 89.95 TAL 208.41 TAP 297.49 RCA 97.06 APO 152.46 V2 35.224
 RC 51.018 GL 18.69 GP -.86 ZAL 131.57 ZAP 13.87 ETS 2.46 ZAE 147.52 ETE 339.81 ZAC 64.62 ETC 162.77 CLP -13.85

DISTANCE 198.754

PLANETOCENTRIC CONIC
 C3 24.639 VHL 4.964 DLA -2.00 RAL 297.54 RAD 6568.0 VEL 12.084 PTH 2.16 VHP 6.914 OPA -15.71 RAP 332.48 ECC 1.4055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 31 2202.81 -19.28 40.74 161.75 111.15 3 5 14 1602.8 -16.24 33.39
 90.00 13 56 51 4971.01 22.13 217.68 162.81 71.87 15 19 42 4371.0 19.44 210.04
 100.00 3 48 56 1943.43 -20.38 21.20 161.28 112.36 4 21 19 1343.4 -17.17 13.87
 100.00 15 19 18 4705.63 23.25 197.76 162.40 70.66 16 37 33 4105.6 20.39 190.12
 110.00 4 55 2 1736.49 -23.31 4.08 159.87 115.74 5 23 59 1136.5 -19.66 356.85
 110.00 16 29 31 4485.33 26.24 179.76 161.13 67.27 17 44 16 3885.3 22.93 172.17

DIFFERENTIAL CORRECTIONS
 TOE -.2343 TRA -.3443 TC3 .5348 BAU .1845 SGT 716.4 SGR 400.3 SG3 152.4 ST 296.1 SR 360.0 SS 360.1
 ROE -.3114 RRA .0511 RC3 -.1670 FAU .04651 RRT -.0498 RRF .0498 RTF -.6935 CRT .8918 CRS .9867 CST .8270
 FDE .5118 FRA -.3146 FC3 -1.6341 BSP 2029 SGB 820.6 R23 .0003 R13 .6937 LSA 572.3 MSA 137.0 SSA 25.0
 BOE .3898 BRA .3481 BC3 .5602 FSP -401 SG1 716.8 SG2 399.5 THA 177.69 EL1 453.8 EL2 106.2 ALF 51.22

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 27.297 GAL -7.48 AZL 86.60 HCA 92.32 SMA 125.71 ECC .21491 INC 3.3970 V1 30.228
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.562 GAP -9.28 AZP 90.14 TAL 209.79 TAP 302.11 RCA 98.69 APO 152.72 V2 35.216
 RC 52.701 GL 19.17 GP -.92 ZAL 132.72 ZAP 16.70 ETS 2.08 ZAE 147.42 ETE 340.18 ZAC 65.04 ETC 162.83 CLP -16.67

DISTANCE 205.541

PLANETOCENTRIC CONIC
 C3 23.851 VHL 4.884 DLA -1.79 RAL 296.11 RAD 6568.0 VEL 12.051 PTH 2.15 VHP 6.465 OPA -15.63 RAP 332.91 ECC 1.3925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 16 2201.40 -19.25 40.65 159.83 111.18 2 57 57 1601.4 -16.20 33.30
 90.00 13 52 44 4956.48 21.82 216.73 160.77 71.49 15 15 21 4356.5 19.09 209.12
 100.00 3 41 46 1941.70 -20.33 21.09 159.37 112.40 4 14 8 1341.7 -17.12 13.77
 100.00 15 14 55 4691.41 22.92 196.82 160.35 70.27 16 33 6 4091.4 20.02 189.23
 110.00 4 48 6 1734.06 -23.24 3.93 157.97 115.80 5 17 0 1134.1 -19.58 356.70
 110.00 16 25 4 4471.82 25.89 178.88 159.08 66.85 17 39 36 3871.8 22.53 171.33

DIFFERENTIAL CORRECTIONS
 TOE -.2363 TRA -.3259 TC3 .5652 BAU .1885 SGT 726.6 SGR 398.0 SG3 173.3 ST 300.5 SR 356.4 SS 388.7
 ROE -.3035 RRA .0456 RC3 -.1737 FAU .05161 RRT -.0533 RRF .0546 RTF -.7007 CRT .9035 CRS .9835 CST .8292
 FDE .5793 FRA -.3945 FC3 -1.8733 BSP 2068 SGB 828.4 R23 -.0013 R13 .7009 LSA 590.2 MSA 139.3 SSA 25.3
 BOE .3846 BRA .3291 BC3 .5912 FSP -464 SG1 727.0 SG2 397.2 THA 177.62 EL1 455.2 EL2 100.8 ALF 50.37

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.427 GAL -7.48 AZL 86.59 HCA 95.56 SMA 126.56 ECC .20874 INC 3.4061 V1 30.228
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.650 GAP -8.47 AZP 90.33 TAL 211.10 TAP 306.67 RCA 100.14 APO 152.98 V2 35.208
 RC 54.462 GL 19.60 GP -1.00 ZAL 133.76 ZAP 19.66 ETS 1.81 ZAE 147.59 ETE 340.40 ZAC 65.32 ETC 162.85 CLP -19.64

PLANETOCENTRIC CONIC

C3 23.202 VHL 4.817 OLA -1.60 RAL 294.80 RAD 6567.9 VEL 12.024 PTH 2.15 VHP 6.043 DPA -15.60 RAP 333.20 ECC 1.3819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 36 2200.66 -19.23 40.60 158.11 111.20 2 51 16 1600.7 -16.18 33.25
 90.00 13 48 56 4943.75 21.54 215.90 158.93 71.16 15 11 20 4343.7 18.77 208.32
 100.00 3 35 12 1940.66 -20.31 21.02 157.65 112.42 4 7 32 1340.7 -17.09 13.71
 100.00 15 11 1 4678.97 22.63 196.01 158.52 69.94 16 29 0 4079.0 19.70 188.45
 110.00 4 41 44 1732.38 -23.19 3.82 156.26 115.85 5 10 36 1132.4 -19.52 356.61
 110.00 16 20 59 4460.02 25.57 178.11 157.23 66.50 17 35 19 3860.0 22.17 170.60

DIFFERENTIAL CORRECTIONS

TOE -.2352 TRA -.3076 TC3 .5918 BAU .1919
 ROE -.2955 RRA .0405 RC3 -.1797 FAU .05753
 FDE .6551 FRA -.4877 FC3-2.1465 BSP 2136
 BOE .3777 BRA .3102 BC3 .6185 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 733.0 SGR 394.8 SG3 197.4
 RRT -.0620 RRF .0621 RTF -.7073
 SGB 832.6 R23 -.0005 R13 .7076
 SG1 733.6 SG2 393.7 THA 177.31

ORBIT DETERMINATION ACCURACY

ST 301.1 SR 351.9 SS 418.2
 CRT .9127 CRS .9799 CST .8294
 LSA 607.1 MSA 142.0 SSA 25.4
 EL1 453.1 EL2 95.5 ALF 49.87

LAUNCH DATE DEC 6 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.542 GAL -7.48 AZL 86.58 HCA 98.80 SMA 127.33 ECC .20338 INC 3.4153 V1 30.228
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.725 GAP -7.69 AZP 90.52 TAL 212.34 TAP 311.14 RCA 101.43 APO 153.23 V2 35.200
 RC 56.291 GL 19.98 GP -1.08 ZAL 134.69 ZAP 22.80 ETS 1.59 ZAE 148.05 ETE 340.45 ZAC 65.44 ETC 162.83 CLP -22.77

PLANETOCENTRIC CONIC

C3 22.666 VHL 4.761 OLA -1.42 RAL 293.61 RAD 6567.9 VEL 12.002 PTH 2.14 VHP 5.649 DPA -15.65 RAP 333.33 ECC 1.3730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 31 2200.52 -19.22 40.59 156.58 111.20 2 45 11 1600.5 -16.17 33.25
 90.00 13 45 31 4932.50 21.29 215.17 157.30 70.88 15 7 44 4332.5 18.49 207.62
 100.00 3 29 12 1940.25 -20.29 21.00 156.12 112.43 4 1 32 1340.3 -17.08 13.68
 100.00 15 7 31 4667.99 22.38 195.30 156.88 69.64 16 25 19 4068.0 19.40 187.77
 110.00 4 35 56 1731.37 -23.16 3.76 154.74 115.87 5 4 47 1131.4 -19.49 356.55
 110.00 16 17 17 4449.64 25.28 177.43 155.59 66.19 17 31 26 3849.6 21.85 169.97

DIFFERENTIAL CORRECTIONS

TOE -.2345 TRA -.2935 TC3 .6068 BAU .1922
 ROE -.2875 RRA .0357 RC3 -.1850 FAU .06417
 FDE .7444 FRA -.5922 FC3-2.4511 BSP 2136
 BOE .3710 BRA .2957 BC3 .6344 FSP -624

MID-COURSE EXECUTION ACCURACY

SGT 733.7 SGR 390.6 SG3 224.6
 RRT -.0674 RRF .0694 RTF -.7074
 SGB 831.2 R23 -.0031 R13 .7078
 SG1 734.4 SG2 389.3 THA 177.14

ORBIT DETERMINATION ACCURACY

ST 302.0 SR 346.2 SS 450.8
 CRT .9199 CRS .9765 CST .8295
 LSA 626.5 MSA 145.7 SSA 25.3
 EL1 450.3 EL2 91.1 ALF 49.24

LAUNCH DATE DEC 6 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.643 GAL -7.49 AZL 86.58 HCA 102.04 SMA 128.01 ECC .19876 INC 3.4246 V1 30.228
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.791 GAP -6.95 AZP 90.72 TAL 213.48 TAP 315.52 RCA 102.57 APO 153.46 V2 35.191
 RC 58.184 GL 20.32 GP -1.17 ZAL 135.52 ZAP 26.11 ETS 1.40 ZAE 148.81 ETE 340.31 ZAC 65.39 ETC 162.78 CLP -26.09

PLANETOCENTRIC CONIC

C3 22.219 VHL 4.714 OLA -1.25 RAL 292.55 RAD 6567.9 VEL 11.983 PTH 2.14 VHP 5.281 DPA -15.76 RAP 333.29 ECC 1.3657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 1 2200.91 -19.23 40.62 155.22 111.19 2 39 42 1600.9 -16.18 33.27
 90.00 13 42 31 4922.45 21.06 214.52 155.85 70.63 15 4 33 4322.4 18.23 206.99
 100.00 3 23 47 1940.40 -20.30 21.01 154.77 112.43 3 56 7 1340.4 -17.08 13.69
 100.00 15 4 26 4658.19 22.14 194.66 155.43 69.39 16 22 4 4058.2 19.14 187.16
 110.00 4 30 41 1730.95 -23.15 3.74 153.40 115.89 4 59 32 1131.0 -19.47 356.52
 110.00 16 14 1 4440.41 25.03 176.84 154.13 65.92 17 28 1 3840.4 21.56 169.40

DIFFERENTIAL CORRECTIONS

TDE -.2318 TRA -.2829 TC3 .6119 BAU .1903
 RDE -.2791 RRA .0312 RC3 -.1898 FAU .07170
 FDE .8470 FRA -.7101 FC3-2.7935 BSP 2109
 BDE .3628 BRA .2846 BC3 .6406 FSP -720

MID-COURSE EXECUTION ACCURACY

SGT 728.3 SGR 385.4 SG3 255.4
 RRT -.0737 RRF .0782 RTF -.7023
 SGB 824.0 R23 -.0066 R13 .7028
 SG1 729.1 SG2 384.0 THA 176.91

ORBIT DETERMINATION ACCURACY

ST 300.6 SR 339.5 SS 485.8
 CRT .9244 CRS .9734 CST .8274
 LSA 646.9 MSA 149.8 SSA 24.9
 EL1 444.9 EL2 87.5 ALF 48.76

LAUNCH DATE DEC 6 1965

FLIGHT TIME 84.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.731 GAL -7.49 AZL 86.57 HCA 105.27 SMA 128.62 ECC .19477 INC 3.4342 V1 30.228
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.846 GAP -6.25 AZP 90.91 TAL 214.51 TAP 319.79 RCA 103.57 APO 153.67 V2 35.181
 RC 60.133 GL 20.63 GP -1.27 ZAL 136.23 ZAP 29.63 ETS 1.24 ZAE 149.87 ETE 339.95 ZAC 65.15 ETC 162.67 CLP -29.61

PLANETOCENTRIC CONIC

C3 21.844 VHL 4.674 OLA -1.09 RAL 291.61 RAD 6567.9 VEL 11.968 PTH 2.13 VHP 4.941 DPA -15.95 RAP 333.05 ECC 1.3595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 4 2201.80 -19.26 40.67 154.04 111.17 2 34 46 1601.8 -16.21 33.32
 90.00 13 39 58 4913.32 20.86 213.93 154.58 70.40 15 1 51 4313.3 18.00 206.42
 100.00 3 18 54 1941.05 -20.32 21.05 153.59 112.41 3 51 15 1341.0 -17.10 13.73
 100.00 15 1 49 4649.31 21.93 194.09 154.16 69.16 16 19 18 4049.3 18.90 186.61
 110.00 4 25 59 1731.06 -23.15 3.74 152.23 115.88 4 54 50 1131.1 -19.48 356.53
 110.00 16 11 13 4432.06 24.80 176.30 152.86 65.68 17 25 5 3832.1 21.30 168.90

DIFFERENTIAL CORRECTIONS

TDE -.2265 TRA -.2758 TC3 .6061 BAU .1859
 RDE -.2703 RRA .0271 RC3 -.1942 FAU .08019
 FDE .9639 FRA -.8428 FC3-3.1781 BSP 2054
 BDE .3527 BRA .2771 BC3 .6364 FSP -830

MID-COURSE EXECUTION ACCURACY

SGT 715.8 SGR 379.3 SG3 290.3
 RRT -.0813 RRF .0891 RTF -.6909
 SGB 810.1 R23 -.0113 R13 .6916
 SG1 716.8 SG2 377.6 THA 176.58

ORBIT DETERMINATION ACCURACY

ST 296.1 SR 331.6 SS 522.9
 CRT .9259 CRS .9705 CST .8220
 LSA 668.3 MSA 154.1 SSA 24.5
 EL1 436.3 EL2 85.0 ALF 48.49

LAUNCH DATE DEC 6 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 239.148

RL 147.39 LAL .00 LOL 73.67 VL 27.806 GAL -7.49 AZL 86.56 HCA 108.50 SMA 129.14 ECC .19134 INC 3.4441 V1 30.228
 RP 107.75 LAP 3.27 LOP 182.20 VP 37.892 GAP -5.57 AZP 91.09 TAL 215.43 TAP 323.94 RCA 104.43 APO 153.85 V2 35.171
 RC 62.133 GL 20.91 GP -1.38 ZAL 136.84 ZAP 33.37 ETS 1.07 ZAE 151.25 ETE 339.31 ZAC 64.69 ETC 162.52 CLP -33.34

PLANETOCENTRIC CONIC

C3 21.525 VHL 4.640 OLA -.93 RAL 290.79 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 4.626 DPA -16.23 RAP 332.59 ECC 1.3543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 39 2203.15 -19.29 40.76 153.03 111.14 2 30 22 1603.1 -16.25 33.41
 90.00 13 37 53 4904.87 20.66 213.39 153.48 70.20 14 59 38 4304.9 17.78 205.90
 100.00 3 14 33 1942.15 -20.34 21.12 152.58 112.39 3 46 55 1342.2 -17.13 13.80
 100.00 14 59 39 4641.10 21.73 193.56 153.06 68.95 16 17 0 4041.1 18.67 186.10
 110.00 4 21 48 1731.64 -23.17 3.78 151.22 115.87 4 50 40 1131.6 -19.50 356.56
 110.00 16 8 54 4424.38 24.58 175.81 151.75 65.46 17 22 38 3824.4 21.06 168.43

DIFFERENTIAL CORRECTIONS

TDE -.2166 TRA -.2719 TC3 .5901 BAU .1792
 RDE -.2611 RRA .0231 RC3 -.1985 FAU .08980
 FDE 1.0932 FRA -.9928 FC3 -3.6119 BSP 1996
 BDE .3392 BRA -.2729 BC3 .6226 FSP -959

MID-COURSE EXECUTION ACCURACY

SGT 695.8 SGR 372.4 SG3 329.7
 RRT -.0934 RRF .1035 RTF -.6721
 SGB 789.2 R23 -.0160 R13 .6731
 SG1 697.0 SG2 370.1 TMA 176.01

ORBIT DETERMINATION ACCURACY

ST 286.3 SR 322.6 S5 560.8
 CRT .9235 CRS .9676 CST .8109
 LSA 689.1 MSA 158.2 SSA 24.0
 EL1 423.1 EL2 83.7 ALF 48.69

LAUNCH DATE DEC 6 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 245.790

RL 147.39 LAL .00 LOL 73.67 VL 27.870 GAL -7.48 AZL 86.55 HCA 111.74 SMA 129.59 ECC .18839 INC 3.4544 V1 30.228
 RP 107.78 LAP 3.21 LOP 185.44 VP 37.929 GAP -4.92 AZP 91.28 TAL 216.23 TAP 327.97 RCA 105.18 APO 154.01 V2 35.160
 RC 64.180 GL 21.17 GP -1.51 ZAL 137.33 ZAP 37.34 ETS .91 ZAE 152.94 ETE 336.33 ZAC 64.02 ETC 162.30 CLP -37.32

PLANETOCENTRIC CONIC

C3 21.249 VHL 4.610 OLA -.77 RAL 290.10 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 4.338 DPA -16.59 RAP 331.91 ECC 1.3497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 43 2204.93 -19.33 40.87 152.16 111.10 2 26 28 1604.9 -16.29 33.51
 90.00 13 36 18 4896.85 20.48 212.87 152.54 70.00 14 57 54 4296.9 17.57 205.40
 100.00 3 10 42 1943.70 -20.38 21.22 151.72 112.35 3 43 5 1343.7 -17.18 13.89
 100.00 14 58 0 4633.32 21.54 193.06 152.11 68.75 16 15 13 4033.3 18.46 185.62
 110.00 4 18 7 1732.66 -23.20 3.84 150.36 115.84 4 47 0 1132.7 -19.53 356.62
 110.00 16 7 4 4417.12 24.37 175.35 150.80 65.26 17 20 41 3817.1 20.83 167.99

DIFFERENTIAL CORRECTIONS

TDE -.2045 TRA -.2749 TC3 .5572 BAU .1684
 RDE -.2512 RRA .0194 RC3 -.2026 FAU .10033
 FDE 1.2410 FRA -1.1544 FC3 -4.0877 BSP 1860
 BDE .3239 BRA .2756 BC3 .5929 FSP -1098

MID-COURSE EXECUTION ACCURACY

SGT 667.3 SGR 364.6 SG3 373.0
 RRT -.1022 RRF .1192 RTF -.6378
 SGB 760.4 R23 -.0270 R13 .6395
 SG1 668.8 SG2 361.9 TMA 175.48

ORBIT DETERMINATION ACCURACY

ST 274.5 SR 312.3 S5 601.8
 CRT .9159 CRS .9653 CST .7934
 LSA 712.8 MSA 162.4 SSA 23.4
 EL1 407.1 EL2 84.6 ALF 49.02

LAUNCH DATE DEC 6 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 252.402

RL 147.39 LAL .00 LOL 73.67 VL 27.925 GAL -7.47 AZL 86.53 HCA 114.96 SMA 129.98 ECC .18586 INC 3.4651 V1 30.228
 RP 107.81 LAP 3.14 LOP 188.67 VP 37.959 GAP -4.31 AZP 91.46 TAL 216.91 TAP 331.87 RCA 105.82 APO 154.13 V2 35.149
 RC 66.268 GL 21.42 GP -1.65 ZAL 137.72 ZAP 41.57 ETS .73 ZAE 154.94 ETE 336.88 ZAC 63.11 ETC 162.00 CLP -41.54

PLANETOCENTRIC CONIC

C3 21.003 VHL 4.583 OLA -.61 RAL 289.53 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 4.077 DPA -17.06 RAP 330.98 ECC 1.3457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 14 2207.15 -19.39 41.01 151.44 111.05 2 23 1 1607.1 -16.35 33.65
 90.00 13 35 13 4889.06 20.30 212.37 151.73 69.82 14 56 42 4289.1 17.37 204.92
 100.00 3 7 18 1945.68 -20.44 21.34 150.99 112.30 3 39 43 1345.7 -17.23 14.01
 100.00 14 56 50 4625.76 21.35 192.58 151.30 68.57 16 13 56 4025.8 18.25 185.16
 110.00 4 14 53 1734.10 -23.24 3.93 149.65 115.80 4 43 47 1134.1 -19.58 356.71
 110.00 16 5 44 4410.10 24.17 174.90 149.99 65.06 17 19 14 3810.1 20.61 167.57

DIFFERENTIAL CORRECTIONS

TDE -.1881 TRA -.2840 TC3 .5083 BAU .1541
 RDE -.2405 RRA .0160 RC3 -.2066 FAU .11177
 FDE 1.4048 FRA -1.3281 FC3 -4.6071 BSP 1674
 BDE .3054 BRA .2845 BC3 .5486 FSP -1251

MID-COURSE EXECUTION ACCURACY

SGT 631.2 SGR 355.9 SG3 420.4
 RRT -.1095 RRF .1376 RTF -.5830
 SGB 724.7 R23 -.0449 R13 .5860
 SG1 633.0 SG2 352.8 TMA 174.87

ORBIT DETERMINATION ACCURACY

ST 258.6 SR 300.8 S5 644.6
 CRT .9000 CRS .9635 CST .7645
 LSA 738.0 MSA 166.5 SSA 22.7
 EL1 386.9 EL2 87.7 ALF 49.79

LAUNCH DATE DEC 6 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 258.985

RL 147.39 LAL .00 LOL 73.67 VL 27.969 GAL -7.45 AZL 86.52 HCA 118.19 SMA 130.29 ECC .18370 INC 3.4764 V1 30.228
 RP 107.85 LAP 3.06 LOP 191.90 VP 37.981 GAP -3.71 AZP 91.64 TAL 217.45 TAP 335.64 RCA 106.36 APO 154.23 V2 35.138
 RC 68.394 GL 21.65 GP -1.80 ZAL 138.00 ZAP 46.05 ETS .54 ZAE 157.23 ETE 334.78 ZAC 61.95 ETC 161.63 CLP -46.02

PLANETOCENTRIC CONIC

C3 20.781 VHL 4.559 OLA -.44 RAL 289.07 RAD 6567.8 VEL 11.923 PTH 2.12 VHP 3.843 DPA -17.61 RAP 329.79 ECC 1.3420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 10 2209.80 -19.45 41.18 150.85 110.99 2 20 0 1609.8 -16.43 33.81
 90.00 13 34 38 4881.30 20.11 211.88 151.06 69.64 14 55 59 4281.3 17.16 204.45
 100.00 3 4 18 1948.07 -20.50 21.49 150.41 112.25 3 36 46 1348.1 -17.30 14.16
 100.00 14 56 11 4618.25 21.16 192.10 150.63 68.38 16 13 9 4018.3 18.04 184.70
 110.00 4 12 5 1735.93 -23.29 4.05 149.06 115.75 4 41 1 1135.9 -19.64 356.82
 110.00 16 4 54 4403.16 23.97 174.46 149.32 64.87 17 18 17 3803.2 20.39 167.15

DIFFERENTIAL CORRECTIONS

TDE -.1655 TRA -.2987 TC3 .4442 BAU .1366
 RDE -.2293 RRA .0128 RC3 -.2107 FAU .12421
 FDE 1.5779 FRA -1.5155 FC3 -5.1748 BSP 1461
 BDE .2828 BRA .2990 BC3 .4916 FSP -1426

MID-COURSE EXECUTION ACCURACY

SGT 590.1 SGR 346.7 SG3 471.8
 RRT -.1165 RRF .1606 RTF -.4990
 SGB 684.4 R23 -.0731 R13 .5043
 SG1 592.2 SG2 343.1 TMA 174.10

ORBIT DETERMINATION ACCURACY

ST 236.9 SR 288.3 S5 686.8
 CRT .8690 CRS .9616 CST .7141
 LSA 762.7 MSA 169.8 SSA 22.0
 EL1 361.2 EL2 93.6 ALF 51.41

LAUNCH DATE DEC 6 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 265.537

RL 147.39 LAL .00 LOL 73.67 VL 28.005 GAL -7.43 AZL 86.51 MCA 121.42 SMA 130.55 ECC .18184 INC 3.4884 V1 30.228
 RP 107.89 LAP 2.98 LOP 195.13 VP 37.996 GAP -3.15 AZP 91.82 TAL 217.87 TAP 339.29 RCA 106.81 APO 154.29 V2 35.126
 RC 70.553 GL 21.87 GP -1.97 ZAL 138.19 ZAP 50.78 ETS .33 ZAE 159.79 ETE 331.72 ZAC 60.56 ETC 161.16 CLP -50.75

PLANETOCENTRIC CONIC

C3 20.573 VHL 4.538 DLA -.27 RAL 288.72 RAD 6567.8 VEL 11.914 PTH 2.12 VHP 3.635 DPA -18.25 RAP 328.35 ECC 1.3386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 28 2212.90 -19.53 41.37 150.38 110.92 2 17 21 1612.9 -16.51 34.00
 90.00 13 34 34 4873.39 19.92 211.37 150.51 69.45 14 55 48 4273.4 16.95 203.96
 100.00 3 1 42 1950.91 -20.57 21.67 149.94 112.18 3 34 13 1350.9 -17.38 14.33
 100.00 14 56 2 4610.61 20.97 191.62 150.08 68.20 16 12 53 4010.6 17.83 184.23
 110.00 4 9 39 1738.18 -23.36 4.19 148.61 115.70 4 38 37 1138.2 -19.71 356.95
 110.00 16 4 34 4396.11 23.77 174.01 148.76 64.68 17 17 50 3796.1 20.16 166.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1388 TRA -.3220 TC3 .3589 BAU .1150 SGT 549.7 SGR 336.7 SG3 525.3 ST 213.9 SR 274.6 SS 731.1
 RDE -.2173 RRA .0098 RC3 -.2145 FAU .13703 RRT -.1095 RRF .1850 RTF -.3649 CRT .8110 CRS .9605 CST .6309
 FDE 1.7660 FRA -1.7025 FC3 -5.7661 BSP 1158 SGB 644.7 R23 -.1223 R13 .3735 LSA 790.7 MSA 173.1 SSA 21.2
 BDE .2579 BRA .3222 BC3 .4181 FSP -1601 SG1 551.7 SG2 333.5 THA 173.94 EL1 332.3 EL2 103.4 ALF 53.64

LAUNCH DATE DEC 6 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 272.058

RL 147.39 LAL .00 LOL 73.67 VL 28.033 GAL -7.39 AZL 86.50 MCA 124.64 SMA 130.75 ECC .18024 INC 3.5012 V1 30.228
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.006 GAP -2.60 AZP 91.99 TAL 218.17 TAP 342.81 RCA 107.19 APO 154.32 V2 35.114
 RC 72.741 GL 22.09 GP -2.15 ZAL 138.27 ZAP 55.76 ETS .09 ZAE 162.54 ETE 327.20 ZAC 58.95 ETC 160.59 CLP -55.73

PLANETOCENTRIC CONIC

C3 20.378 VHL 4.514 DLA -.08 RAL 288.48 RAD 6567.8 VEL 11.906 PTH 2.12 VHP 3.455 DPA -18.98 RAP 326.65 ECC 1.3353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 7 2216.48 -19.61 41.60 150.03 110.84 2 15 3 1616.5 -16.61 34.22
 90.00 13 35 1 4865.19 19.73 210.85 150.07 69.27 14 56 7 4265.2 16.73 203.46
 100.00 2 59 25 1954.21 -20.66 21.88 149.60 112.10 3 31 59 1354.2 -17.48 14.53
 100.00 14 56 24 4602.70 20.77 191.11 149.63 68.00 16 13 7 4002.7 17.60 183.75
 110.00 4 7 35 1740.85 -23.44 4.35 148.27 115.62 4 36 36 1140.8 -19.80 357.11
 110.00 16 4 44 4388.83 23.56 173.56 148.31 64.48 17 17 52 3788.8 19.93 166.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1051 TRA -.3517 TC3 .2561 BAU .0917 SGT 520.2 SGR 326.2 SG3 580.6 ST 189.2 SR 260.0 SS 772.6
 RDE -.2047 RRA .0072 RC3 -.2182 FAU .15028 RRT -.0880 RRF .2142 RTF -.1690 CRT .6968 CRS .9592 CST .4809
 FDE 1.9535 FRA -1.8934 FC3 -6.3852 BSP 823 SGB 614.0 R23 -.1903 R13 .1799 LSA 818.0 MSA 175.5 SSA 20.5
 BDE .2301 BRA .3518 BC3 .3365 FSP -1794 SG1 521.5 SG2 324.2 THA 174.84 EL1 299.1 EL2 117.9 ALF 57.44

LAUNCH DATE DEC 6 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 278.549

RL 147.39 LAL .00 LOL 73.67 VL 28.054 GAL -7.36 AZL 86.48 MCA 127.86 SMA 130.90 ECC .17887 INC 3.5150 V1 30.228
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.010 GAP -2.08 AZP 92.16 TAL 218.35 TAP 346.21 RCA 107.49 APO 154.32 V2 35.101
 RC 74.954 GL 22.32 GP -2.34 ZAL 138.27 ZAP 60.94 ETS 359.82 ZAE 165.36 ETE 320.29 ZAC 57.14 ETC 159.91 CLP -60.92

PLANETOCENTRIC CONIC

C3 20.183 VHL 4.493 DLA .13 RAL 288.35 RAD 6567.8 VEL 11.898 PTH 2.11 VHP 3.303 DPA -19.76 RAP 324.73 ECC 1.3322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 2 2220.59 -19.71 41.86 149.79 110.75 2 13 3 1620.6 -16.72 34.47
 90.00 13 36 0 4856.54 19.52 210.30 149.73 69.07 14 56 56 4256.5 16.50 202.93
 100.00 2 57 26 1958.02 -20.75 22.12 149.36 112.01 3 30 4 1358.0 -17.58 14.76
 100.00 14 57 17 4594.35 20.56 190.59 149.29 67.81 16 13 51 3994.4 17.37 183.25
 110.00 4 5 49 1743.96 -23.53 4.55 148.03 115.54 4 34 53 1144.0 -19.90 357.29
 110.00 16 5 23 4381.17 23.33 173.08 147.96 64.28 17 18 24 3781.2 19.68 165.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0666 TRA -.3903 TC3 .1307 BAU .0694 SGT 518.4 SGR 315.1 SG3 634.3 ST 171.9 SR 244.3 SS 814.6
 RDE -.1915 RRA .0049 RC3 -.2214 FAU .16296 RRT -.0350 RRF .2440 RTF -.0900 CRT .4872 CRS .9588 CST .2347
 FDE 2.1458 FRA -2.0675 FC3 -6.9901 BSP 426 SGB 606.7 R23 -.2491 R13 -.0849 LSA 849.0 MSA 177.7 SSA 19.7
 BDE .2028 BRA .3903 BC3 .2571 FSP -1973 SG1 518.6 SG2 314.8 THA 178.07 EL1 264.6 EL2 138.6 ALF 63.20

LAUNCH DATE DEC 6 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 285.010

RL 147.39 LAL .00 LOL 73.67 VL 28.068 GAL -7.31 AZL 86.47 MCA 131.08 SMA 131.01 ECC .17769 INC 3.5302 V1 30.228
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.008 GAP -1.58 AZP 92.32 TAL 218.41 TAP 349.49 RCA 107.73 APO 154.29 V2 35.089
 RC 77.191 GL 22.54 GP -2.55 ZAL 138.17 ZAP 66.31 ETS 359.52 ZAE 168.03 ETE 309.40 ZAC 55.18 ETC 159.10 CLP -66.28

PLANETOCENTRIC CONIC

C3 19.991 VHL 4.471 DLA .36 RAL 288.31 RAD 6567.8 VEL 11.890 PTH 2.11 VHP 3.177 DPA -20.60 RAP 322.61 ECC 1.3290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 12 2225.28 -19.83 42.16 149.65 110.64 2 11 17 1625.3 -16.84 34.76
 90.00 13 37 30 4847.31 19.29 209.72 149.48 68.86 14 58 17 4247.3 16.25 202.37
 100.00 2 55 43 1962.37 -20.86 22.40 149.22 111.91 3 28 25 1362.4 -17.71 15.02
 100.00 14 58 40 4585.46 20.33 190.03 149.04 67.60 16 15 6 3985.5 17.11 182.71
 110.00 4 4 20 1747.57 -23.64 4.78 147.90 115.44 4 33 28 1147.6 -20.01 357.51
 110.00 16 6 32 4373.02 23.09 172.57 147.71 64.08 17 19 25 3773.0 19.41 165.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0221 TRA -.4359 TC3 -.0143 BAU .0600 SGT 559.5 SGR 303.4 SG3 684.8 ST 170.0 SR 228.0 SS 853.7
 RDE -.1779 RRA .0031 RC3 -.2239 FAU .17477 RRT .0399 RRF .2759 RTF .3593 CRT .1616 CRS .9587 CST -.1110
 FDE 2.3282 FRA -2.2228 FC3 -7.5684 BSP 324 SGB 636.5 R23 -.2558 R13 .3636 LSA 881.5 MSA 179.5 SSA 18.8
 BDE .1792 BRA .4359 BC3 .2243 FSP -2143 SG1 559.7 SG2 303.0 THA 1.75 EL1 231.5 EL2 165.2 ALF 75.77

LAUNCH DATE DEC 6 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 291.440

RL 147.39 LAL .00 LOL 73.67 VL 28.076 GAL -7.25 AZL 86.43 HCA 134.29 SMA 131.06 ECC .17668 INC 3.5468 V1 30.228
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.002 GAP -1.10 AZP 92.48 TAL 218.36 TAP 352.65 RCA 107.91 APO 154.22 V2 35.076
 RC 79.446 GL 22.78 GP -2.77 ZAL 137.99 ZAP 71.79 ETS 359.20 ZAE 170.11 ETE 292.27 ZAC 53.12 ETC 158.17 CLP -71.77

PLANETOCENTRIC CONIC

C3 19.799 VHL 4.450 DLA .60 RAL 288.36 RAD 6567.8 VEL 11.882 PTH 2.11 VHP 3.078 OPA -21.46 RAP 320.35 ECC 1.3258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 34 2230.63 -19.95 42.50 149.60 110.52 2 9 45 1630.6 -16.98 35.08
 90.00 13 39 31 4837.37 19.05 209.09 149.32 68.64 15 0 9 4237.4 15.98 201.76
 100.00 2 54 12 1967.35 -20.99 22.71 149.17 111.79 3 26 59 1367.3 -17.85 15.33
 100.00 15 0 35 4575.89 20.08 189.42 148.88 67.38 16 16 51 3975.9 16.84 182.13
 110.00 4 3 5 1751.73 -23.76 5.04 147.87 115.33 4 32 17 1151.7 -20.15 357.76
 110.00 16 8 11 4364.27 22.83 172.02 147.54 63.84 17 20 56 3764.3 19.12 164.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0285 TRA -.4873 TC3 -.1763 BAU .0758 SGT 647.9 SGR 291.4 SG3 730.3 ST 191.9 SR 211.3 SS 886.7
 ROE -.1640 RRA .0018 RC3 -.2256 FAU .18533 RRT .1181 RRF .3105 RTF .5755 CRT -.1938 CRS .9586 CST -.4529
 FOE 2.4856 FRA -2.3537 FC3 -8.1036 BSP 787 SGB 710.4 R23 .2272 R13 .5824 LSA 913.7 MSA 180.4 SSA 18.0
 BOE .1665 BRA .4873 BC3 .2863 FSP -2306 SG1 649.0 SG2 288.8 THA 3.79 EL1 222.5 EL2 178.7 ALF 121.77

LAUNCH DATE DEC 6 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 297.841

RL 147.39 LAL .00 LOL 73.67 VL 28.078 GAL -7.19 AZL 86.43 HCA 137.50 SMA 131.08 ECC .17581 INC 3.5654 V1 30.228
 RP 108.08 LAP 2.41 LOP 211.23 VP 37.992 GAP -.64 AZP 92.63 TAL 218.21 TAP 355.71 RCA 108.04 APO 154.13 V2 35.063
 RC 81.719 GL 23.03 GP -3.01 ZAL 137.72 ZAP 77.33 ETS 358.84 ZAE 170.95 ETE 268.61 ZAC 51.03 ETC 157.13 CLP -77.31

PLANETOCENTRIC CONIC

C3 19.604 VHL 4.428 DLA .87 RAL 288.49 RAD 6567.8 VEL 11.874 PTH 2.11 VHP 3.005 OPA -22.32 RAP 318.00 ECC 1.3226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 6 2236.73 -20.10 42.89 149.65 110.38 2 8 23 1636.7 -17.15 35.46
 90.00 13 42 6 4826.57 18.78 208.42 149.24 68.41 15 2 32 4226.6 15.68 201.11
 100.00 2 52 51 1973.04 -21.13 23.07 149.22 111.65 3 25 44 1373.0 -18.01 15.67
 100.00 15 3 2 4565.50 19.80 188.77 148.80 67.14 16 19 7 3965.5 16.54 181.50
 110.00 4 2 2 1756.51 -23.90 5.34 147.93 115.20 4 31 18 1156.5 -20.30 358.04
 110.00 16 10 20 4354.79 22.54 171.43 147.45 63.59 17 22 55 3754.8 18.81 164.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0833 TRA -.5446 TC3 -.3560 BAU .1105 SGT 779.6 SGR 278.6 SG3 767.0 ST 237.5 SR 194.0 SS 916.9
 ROE -.1498 RRA .0011 RC3 -.2259 FAU .19357 RRT .1898 RRF .3445 RTF .7195 CRT -.4541 CRS .9593 CST -.6775
 FOE 2.6234 FRA -2.4421 FC3 -8.5481 BSP 1393 SGB 827.9 R23 .1923 R13 .7250 LSA 949.6 MSA 181.2 SSA 17.0
 BOE .1714 BRA .5446 BC3 .4217 FSP -2433 SG1 781.6 SG2 272.8 THA 4.42 EL1 264.5 EL2 155.2 ALF 147.09

LAUNCH DATE DEC 6 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 304.213

RL 147.39 LAL .00 LOL 73.67 VL 28.076 GAL -7.12 AZL 86.41 HCA 140.71 SMA 131.06 ECC .17507 INC 3.5864 V1 30.228
 RP 108.12 LAP 2.27 LOP 214.44 VP 37.978 GAP -.20 AZP 92.78 TAL 217.95 TAP 358.67 RCA 108.12 APO 154.01 V2 35.050
 RC 84.008 GL 23.30 GP -3.26 ZAL 137.36 ZAP 82.86 ETS 358.46 ZAE 170.10 ETE 244.71 ZAC 48.96 ETC 155.97 CLP -82.84

PLANETOCENTRIC CONIC

C3 19.407 VHL 4.405 DLA 1.18 RAL 288.71 RAD 6567.8 VEL 11.865 PTH 2.10 VHP 2.956 OPA -23.17 RAP 315.65 ECC 1.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 45 2243.71 -20.26 43.33 149.78 110.21 2 7 8 1643.7 -17.33 35.89
 90.00 13 45 13 4814.80 18.48 207.68 149.24 68.16 15 5 28 4214.8 15.36 200.40
 100.00 2 51 38 1979.57 -21.30 23.49 149.36 111.49 3 24 37 1379.6 -18.19 16.07
 100.00 15 6 1 4554.17 19.50 188.07 148.79 66.89 16 21 55 3954.2 16.21 180.83
 110.00 4 1 8 1762.03 -24.06 5.69 148.07 115.05 4 30 30 1162.0 -20.48 358.37
 110.00 16 13 0 4344.48 22.23 170.80 147.44 63.34 17 25 24 3744.5 18.47 163.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1421 TRA -.6052 TC3 -.5483 BAU .1538 SGT 942.0 SGR 265.6 SG3 795.1 ST 300.3 SR 176.5 SS 938.9
 ROE -.1357 RRA .0007 RC3 -.2253 FAU .19974 RRT .2500 RRF .3811 RTF .8079 CRT -.6148 CRS .9598 CST -.8038
 FOE 2.7191 FRA -2.4975 FC3 -8.9105 BSP 2047 SGB 978.7 R23 .1683 R13 .8115 LSA 984.8 MSA 181.0 SSA 16.1
 BOE .1965 BRA .6052 BC3 .5928 FSP -2546 SG1 944.5 SG2 256.5 THA 4.35 EL1 323.4 EL2 129.2 ALF 156.07

LAUNCH DATE DEC 6 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 310.557

RL 147.39 LAL .00 LOL 73.67 VL 28.068 GAL -7.04 AZL 86.39 HCA 143.92 SMA 131.01 ECC .17443 INC 3.6105 V1 30.228
 RP 108.16 LAP 2.13 LOP 217.64 VP 37.960 GAP .23 AZP 92.92 TAL 217.60 TAP 1.52 RCA 108.16 APO 153.86 V2 35.036
 RC 86.309 GL 23.60 GP -3.53 ZAL 136.92 ZAP 88.29 ETS 358.05 ZAE 167.92 ETE 227.21 ZAC 47.01 ETC 154.73 CLP -88.29

PLANETOCENTRIC CONIC

C3 19.207 VHL 4.383 DLA 1.52 RAL 289.01 RAD 6567.8 VEL 11.857 PTH 2.10 VHP 2.931 OPA -23.98 RAP 313.36 ECC 1.3161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 26 2251.74 -20.45 43.85 150.00 110.02 2 5 58 1651.7 -17.54 36.38
 90.00 13 48 55 4801.86 18.15 206.87 149.31 67.89 15 8 57 4201.9 14.99 199.62
 100.00 2 50 29 1987.09 -21.48 23.97 149.58 111.30 3 23 36 1387.1 -18.40 16.53
 100.00 15 9 34 4541.74 19.17 187.30 148.86 66.61 16 25 15 3941.7 15.84 180.08
 110.00 4 0 21 1768.42 -24.24 6.10 148.31 114.87 4 29 49 1168.4 -20.68 358.76
 110.00 16 16 11 4333.17 21.88 170.10 147.50 63.06 17 28 25 3733.2 18.09 163.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2036 TRA -.6683 TC3 -.7507 BAU .2011 SGT 1126.0 SGR 251.7 SG3 811.1 ST 374.2 SR 158.6 SS 958.6
 ROE -.1212 RRA .0010 RC3 -.2232 FAU .20271 RRT .3012 RRF .4164 RTF .8606 CRT -.7108 CRS .9614 CST -.8705
 FOE 2.7908 FRA -2.4987 FC3 -9.1373 BSP 2738 SGB 1153.8 R23 .1520 R13 .8630 LSA 1025.3 MSA 180.9 SSA 15.0
 BOE .2370 BRA .6683 BC3 .7832 FSP -2602 SG1 1128.6 SG2 239.5 THA 4.03 EL1 392.2 EL2 106.4 ALF 161.86

LAUNCH DATE DEC 6 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 28.057 GAL -6.95 AZL 86.36 HCA 147.13 SMA 130.92 ECC .17389 INC 3.6385 V1 30.228
 RP 108.20 LAP 1.97 LOP 220.85 VP 37.939 GAP .63 AZP 93.06 TAL 217.16 TAP 4.29 RCA 108.16 APO 153.69 V2 35.023
 RC 88.623 GL 23.92 GP -3.83 ZAL 136.39 ZAP 93.58 ETS 357.60 ZAE 165.06 ETE 216.05 ZAC 45.22 ETC 153.42 CLP -93.58

PLANETOCENTRIC CONIC
 C3 19.005 VHL 4.359 DLA 1.90 RAL 289.39 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 2.927 DPA -24.76 RAP 311.21 ECC 1.3128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 7 2261.04 -20.67 44.45 150.30 109.80 2 4 48 1661.0 -17.78 36.96
 90.00 13 53 15 4787.59 17.78 205.99 149.45 67.60 15 13 2 4187.6 14.59 198.77
 100.00 2 49 20 1995.82 -21.70 24.53 149.89 111.08 3 22 36 1395.8 -18.64 17.07
 100.00 15 13 42 4528.04 18.80 186.45 148.99 66.32 16 29 10 3928.0 15.43 179.27
 110.00 3 59 37 1775.88 -24.45 6.57 148.63 114.67 4 29 12 1175.9 -20.92 359.21
 110.00 16 19 56 4320.75 21.50 169.35 147.62 62.76 17 31 56 3720.7 17.67 162.30

DIFFERENTIAL CORRECTIONS
 TOE .2670 TRA -.7318 TC3 -.9589 BAU .2500 SGT 1322.2 SGR 238.0 SG3 817.4 ST 455.1 SR 140.4 SS 970.1
 RDE -.1067 RRA .0015 RC3 -.2205 FAU .20343 RRT .3484 RRF .4563 RTF .8934 CRT -.7708 CRS .9629 CST -.9086
 FDE 2.8176 FRA-2.4664 FC3-9.2666 BSP 3447 SGB 1343.4 R23 .1450 R13 .8950 LSA 1065.5 MSA 180.0 SSA 14.0
 BDE .2876 BRA .7318 BC3 .9839 FSP -2641 SG1 1324.9 SG2 222.6 THA 3.69 EL1 468.3 EL2 86.9 ALF 166.14

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 28.041 GAL -6.85 AZL 86.33 HCA 150.33 SMA 130.81 ECC .17343 INC 3.6719 V1 30.228
 RP 108.24 LAP 1.82 LOP 224.05 VP 37.916 GAP 1.03 AZP 93.19 TAL 216.63 TAP 6.96 RCA 108.13 APO 153.50 V2 35.010
 RC 90.946 GL 24.28 GP -4.18 ZAL 135.78 ZAP 98.65 ETS 357.12 ZAE 161.94 ETE 208.99 ZAC 43.66 ETC 152.07 CLP -98.68

PLANETOCENTRIC CONIC
 C3 18.805 VHL 4.336 DLA 2.33 RAL 289.84 RAD 6567.8 VEL 11.840 PTH 2.10 VHP 2.942 DPA -25.52 RAP 309.27 ECC 1.3095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 42 2271.91 -20.92 45.15 150.70 109.53 2 3 34 1671.9 -18.06 37.63
 90.00 13 58 14 4771.72 17.37 205.01 149.65 67.28 15 17 46 4171.7 14.14 197.82
 100.00 2 48 8 2006.04 -21.95 25.19 150.29 110.82 3 21 34 1406.0 -18.92 17.70
 100.00 15 18 30 4512.82 18.38 185.51 149.19 66.00 16 33 43 3912.8 14.98 178.37
 110.00 3 58 52 1784.66 -24.70 7.13 149.04 114.42 4 28 36 1184.7 -21.20 359.74
 110.00 16 24 15 4306.97 21.06 168.51 147.82 62.43 17 36 2 3707.0 17.21 161.51

DIFFERENTIAL CORRECTIONS
 TOE .3316 TRA -.7946 TC3 -1.1699 BAU .2991 SGT 1525.0 SGR 223.9 SG3 812.4 ST 540.6 SR 121.4 SS 980.3
 RDE -.0918 RRA .0022 RC3 -.2170 FAU .20116 RRT .3946 RRF .4987 RTF .9138 CRT -.8112 CRS .9652 CST -.9308
 FDE 2.8239 FRA-2.3880 FC3-9.2612 BSP 4162 SGB 1541.3 R23 .1431 R13 .9150 LSA 1111.6 MSA 179.5 SSA 12.8
 BDE .3441 BRA .7946 BC3 1.1899 FSP -2628 SG1 1527.6 SG2 205.4 THA 3.38 EL1 549.7 EL2 69.8 ALF 169.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 28.022 GAL -6.75 AZL 86.29 HCA 153.53 SMA 130.68 ECC .17305 INC 3.7124 V1 30.228
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.890 GAP 1.41 AZP 93.32 TAL 216.02 TAP 9.56 RCA 108.06 APO 153.29 V2 34.996
 RC 93.279 GL 24.69 GP -4.59 ZAL 135.07 ZAP 103.48 ETS 356.58 ZAE 158.79 ETE 204.41 ZAC 42.37 ETC 150.69 CLP -103.53

PLANETOCENTRIC CONIC
 C3 18.610 VHL 4.314 DLA 2.82 RAL 290.36 RAD 6567.8 VEL 11.832 PTH 2.10 VHP 2.973 DPA -26.26 RAP 307.58 ECC 1.3063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 6 2284.80 -21.21 45.98 151.18 109.21 2 2 11 1684.8 -18.39 38.44
 90.00 14 3 59 4753.94 16.90 203.92 149.92 66.94 15 23 12 4153.9 13.63 196.76
 100.00 2 46 45 2018.19 -22.24 25.97 150.78 110.51 3 20 24 1418.2 -19.25 18.45
 100.00 15 24 0 4495.79 17.90 184.47 149.46 65.65 16 38 56 3895.8 14.47 177.36
 110.00 3 58 1 1795.14 -24.99 7.80 149.55 114.12 4 27 56 1195.1 -21.52 .37
 110.00 16 29 14 4291.59 20.58 167.58 148.07 62.08 17 40 45 3691.6 16.68 160.62

DIFFERENTIAL CORRECTIONS
 TOE .3972 TRA -.8551 TC3 -1.3798 BAU .3474 SGT 1728.7 SGR 211.0 SG3 799.6 ST 629.2 SR 101.7 SS 984.5
 RDE -.0764 RRA .0028 RC3 -.2144 FAU .19712 RRT .4452 RRF .5505 RTF .9273 CRT -.8399 CRS .9670 CST -.9452
 FDE 2.7967 FRA-2.2862 FC3-9.1701 BSP 4872 SGB 1741.5 R23 .1481 R13 .9282 LSA 1159.2 MSA 178.1 SSA 11.6
 BDE .4045 BRA .7946 BC3 1.3963 FSP -2603 SG1 1731.3 SG2 188.7 THA 3.15 EL1 635.1 EL2 54.7 ALF 172.21

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 28.000 GAL -6.63 AZL 86.24 HCA 156.73 SMA 130.52 ECC .17274 INC 3.7632 V1 30.228
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.861 GAP 1.77 AZP 93.46 TAL 215.34 TAP 12.07 RCA 107.97 APO 153.06 V2 34.983
 RC 95.621 GL 25.17 GP -5.09 ZAL 134.26 ZAP 108.04 ETS 355.96 ZAE 155.72 ETE 201.40 ZAC 41.38 ETC 149.30 CLP -108.11

PLANETOCENTRIC CONIC
 C3 18.427 VHL 4.293 DLA 3.39 RAL 290.94 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 3.021 DPA -27.03 RAP 306.18 ECC 1.3033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 8 2300.38 -21.55 46.99 151.76 108.82 2 0 28 1700.4 -18.79 39.41
 90.00 14 10 35 4733.74 16.36 202.68 150.26 66.56 15 29 29 4133.7 13.05 195.57
 100.00 2 45 4 2032.89 -22.59 26.93 151.37 110.12 3 18 57 1432.9 -19.64 19.37
 100.00 15 30 21 4476.45 17.35 183.30 149.80 65.27 16 44 57 3876.5 13.88 176.23
 110.00 3 56 57 1807.91 -25.35 8.63 150.15 113.74 4 27 5 1207.9 -21.92 1.15
 110.00 16 34 57 4274.20 20.02 166.54 148.39 61.70 17 46 11 3674.2 16.08 159.63

DIFFERENTIAL CORRECTIONS
 TOE .4843 TRA -.9126 TC3 -1.5854 BAU .3941 SGT 1930.2 SGR 199.6 SG3 778.4 ST 720.9 SR 80.3 SS 989.7
 RDE -.0600 RRA .0031 RC3 -.2129 FAU .19090 RRT .5038 RRF .6119 RTF .9361 CRT -.8615 CRS .9688 CST -.9545
 FDE 2.7613 FRA-2.1532 FC3-8.9685 BSP 5561 SGB 1940.5 R23 .1581 R13 .9368 LSA 1214.1 MSA 177.4 SSA 10.2
 BDE .4681 BRA .9126 BC3 1.5996 FSP -2534 SG1 1932.8 SG2 172.2 THA 3.01 EL1 724.2 EL2 40.6 ALF 174.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 341.875

RL 147.39 LAL .00 LOL 73.67 VL 27.976 GAL -6.51 AZL 86.17 HCA 159.93 SMA 130.34 ECC .17249 INC 3.8290 V1 30.228
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.831 GAP 2.12 AZP 93.60 TAL 214.59 TAP 14.52 RCA 107.86 APO 152.82 V2 34.970
 RC 97.969 GL 25.74 GP -5.74 ZAL 133.34 ZAP 112.29 ETS 355.21 ZAE 152.77 ETE 199.48 ZAC 40.73 ETC 147.88 CLP-112.41

PLANETOCENTRIC CONIC

C3 18.268 VHL 4.274 OLA 4.08 RAL 291.58 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 3.081 DPA -27.88 RAP 305.10 ECC 1.3007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 34 2319.71 -21.97 48.25 152.46 108.32 1 58 14 1719.7 -19.27 40.63
 90.00 14 18 17 4710.35 15.72 201.26 150.67 66.14 15 36 47 4110.4 12.36 194.19
 100.00 2 42 49 2051.17 -23.01 28.12 152.08 109.63 3 17 0 1451.2 -20.12 20.51
 100.00 15 37 42 4454.12 16.71 181.95 150.20 64.85 16 51 57 3854.1 13.19 174.93
 110.00 3 55 27 1823.86 -25.78 9.67 150.88 113.27 4 25 51 1223.9 -22.41 2.13
 110.00 16 41 34 4254.22 19.37 165.35 148.78 61.27 17 52 28 3654.2 15.38 158.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5334 TRA -.9669 TC3-1.7842 BAU .4389 SGT 2127.5 SGR 192.4 SG3 752.5 ST 815.7 SR 56.8 SS 992.8
 RDE -.0422 RRA .0026 RC3 -.2151 FAU .18365 RRT .5753 RRF .6881 RTF .9422 CRT -.8757 CRS .9677 CST -.9613
 FDE 2.7104 FRA-2.0116 FC3-8.7029 BSP 6236 SGB 2136.1 R23 .1750 R13 .9429 LSA 1274.0 MSA 176.1 SSA 8.8
 BDE .5351 BRA .9669 BC3 1.7971 FSP -2462 SG1 2130.4 SG2 157.1 THA 2.99 EL1 817.2 EL2 27.4 ALF 176.51

LAUNCH DATE DEC 6 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 348.065

RL 147.39 LAL .00 LOL 73.67 VL 27.948 GAL -6.38 AZL 86.08 HCA 163.12 SMA 130.14 ECC .17231 INC 3.9187 V1 30.228
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.799 GAP 2.46 AZP 93.75 TAL 213.77 TAP 16.89 RCA 107.72 APO 152.57 V2 34.957
 RC 100.323 GL 26.46 GP -6.63 ZAL 132.28 ZAP 116.24 ETS 354.25 ZAE 149.96 ETE 198.45 ZAC 40.47 ETC 146.38 CLP-116.43

PLANETOCENTRIC CONIC

C3 18.152 VHL 4.261 OLA 4.92 RAL 292.27 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 3.154 DPA -28.91 RAP 304.37 ECC 1.2987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 59 2344.62 -22.50 49.89 153.31 107.66 1 55 3 1744.6 -19.87 42.20
 90.00 14 27 23 4682.46 14.94 199.58 151.16 65.66 15 45 26 4082.5 11.53 192.56
 100.00 2 39 38 2074.78 -23.54 29.67 152.93 108.98 3 14 13 1474.8 -20.73 22.00
 100.00 15 46 25 4427.53 15.94 180.35 150.68 64.37 17 0 12 3827.5 12.36 173.39
 110.00 3 53 12 1844.57 -26.33 11.02 151.76 112.63 4 23 56 1244.6 -23.03 3.42
 110.00 16 49 21 4230.50 18.59 163.96 149.24 60.78 17 59 51 3630.5 14.55 157.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6074 TRA -1.0178 TC3-1.9714 BAU .4815 SGT 2318.7 SGR 192.0 SG3 721.5 ST 916.2 SR 29.6 SS 1000.0
 RDE -.0216 RRA .0011 RC3 -.2227 FAU .17505 RRT .6584 RRF .7749 RTF .9461 CRT -.8708 CRS .9505 CST -.9663
 FDE 2.6665 FRA-1.8552 FC3-8.3484 BSP 6885 SGB 2326.6 R23 .1987 R13 .9468 LSA 1345.2 MSA 175.6 SSA 7.4
 BDE .6077 BRA 1.0178 BC3 1.9840 FSP -2363 SG1 2322.2 SG2 144.3 THA 3.13 EL1 916.6 EL2 14.5 ALF 178.39

LAUNCH DATE DEC 6 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 354.232

RL 147.39 LAL .00 LOL 73.67 VL 27.918 GAL -6.24 AZL 85.95 HCA 166.31 SMA 129.93 ECC .17220 INC 4.0485 V1 30.228
 RP 108.44 LAP .96 LOP 240.01 VP 37.765 GAP 2.79 AZP 93.93 TAL 212.89 TAP 19.21 RCA 107.56 APO 152.31 V2 34.945
 RC 102.682 GL 27.41 GP -7.91 ZAL 131.04 ZAP 119.87 ETS 352.92 ZAE 147.23 ETE 198.29 ZAC 40.68 ETC 144.66 CLP-120.18

PLANETOCENTRIC CONIC

C3 18.118 VHL 4.257 OLA 6.02 RAL 293.00 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 3.239 DPA -30.27 RAP 304.02 ECC 1.2982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 35 2378.57 -23.18 52.15 154.35 106.73 1 50 14 1778.6 -20.67 44.37
 90.00 14 38 36 4647.63 13.95 197.50 151.74 65.11 15 56 4 4047.6 10.48 190.54
 100.00 2 34 47 2107.01 -24.24 31.81 153.99 108.05 3 9 54 1507.0 -21.54 24.05
 100.00 15 57 5 4394.42 14.95 178.39 151.25 63.81 17 10 20 3794.4 11.31 171.49
 110.00 3 49 34 1872.99 -27.06 12.91 152.86 111.73 4 20 47 1273.0 -23.87 5.20
 110.00 16 58 48 4201.20 17.60 162.26 149.78 60.21 18 8 49 3601.2 13.51 155.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6900 TRA -1.0668 TC3-2.1417 BAU .5220 SGT 2504.4 SGR 205.4 SG3 687.9 ST 1026.3 SR 7.8 SS 1009.8
 RDE .0035 RRA -.0026 RC3 -.2412 FAU .16596 RRT .7461 RRF .8626 RTF .9490 CRT .6419 CRS -.6580 CST -.9707
 FDE 2.6264 FRA-1.7043 FC3-7.9302 BSP 7521 SGB 2512.8 R23 .2290 R13 .9498 LSA 1429.2 MSA 174.3 SSA 5.9
 BDE .6900 BRA 1.0669 BC3 2.1552 FSP -2265 SG1 2509.1 SG2 136.5 THA 3.51 EL1 1026.3 EL2 6.0 ALF .28

LAUNCH DATE DEC 6 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 360.377

RL 147.39 LAL .00 LOL 73.67 VL 27.887 GAL -6.09 AZL 85.74 HCA 169.50 SMA 129.71 ECC .17214 INC 4.2554 V1 30.228
 RP 108.48 LAP .77 LOP 243.20 VP 37.730 GAP 3.11 AZP 94.18 TAL 211.96 TAP 21.46 RCA 107.38 APO 152.04 V2 34.932
 RC 105.043 GL 28.79 GP -9.97 ZAL 129.53 ZAP 123.10 ETS 350.89 ZAE 144.45 ETE 199.21 ZAC 41.58 ETC 142.43 CLP-123.67

PLANETOCENTRIC CONIC

C3 18.254 VHL 4.272 OLA 7.55 RAL 293.74 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 3.341 DPA -32.35 RAP 304.12 ECC 1.3004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 42 2429.11 -24.13 55.54 155.74 105.29 1 42 11 1829.1 -21.80 47.65
 90.00 14 53 23 4600.57 12.59 194.72 152.47 64.42 16 10 3 4000.6 9.04 187.83
 100.00 2 26 40 2155.05 -25.21 35.05 155.40 106.62 3 2 35 1555.1 -22.69 27.16
 100.00 16 11 5 4349.86 13.60 175.77 151.96 63.12 17 23 35 3749.9 9.88 168.95
 110.00 3 43 12 1915.55 -28.10 15.78 154.32 110.32 4 15 8 1315.5 -25.07 7.92
 110.00 17 11 3 4162.13 16.27 160.02 150.45 59.51 18 20 25 3562.1 12.10 153.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7923 TRA -1.1166 TC3-2.2798 BAU .5605 SGT 2684.3 SGR 243.3 SG3 649.5 ST 1156.6 SR 52.0 SS 1031.8
 RDE .0383 RRA -.0096 RC3 -.2779 FAU .15560 RRT .8220 RRF .9323 RTF .9508 CRT .9438 CRS -.9914 CST -.9747
 FDE 2.6199 FRA-1.5510 FC3-7.3797 BSP 8133 SGB 2695.3 R23 .2610 R13 .9518 LSA 1541.1 MSA 173.7 SSA 4.4
 BDE .7933 BRA 1.1166 BC3 2.2967 FSP -2142 SG1 2691.8 SG2 138.2 THA 4.27 EL1 1157.7 EL2 17.2 ALF 2.43

LAUNCH DATE DEC 6 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 366.500

RL 147.39 LAL .00 LOL 73.67 VL 27.853 GAL -5.93 AZL 85.36 HCA 172.69 SMA 129.47 ECC .17215 INC 4.6394 V1 30.228
 RP 108.52 LAP .59 LOP 246.38 VP 37.694 GAP 3.41 AZP 94.60 TAL 210.96 TAP 23.65 RCA 107.18 APO 151.76 V2 34.920
 RC 107.406 GL 31.10 GP -13.76 ZAL 127.48 ZAP 125.72 ETS 347.27 ZAE 141.14 ETE 202.00 ZAC 43.78 ETC 139.01 CLP-126.95

PLANETOCENTRIC CONIC

C3 18.820 VHL 4.338 DLA 10.03 RAL 294.42 RAD 6567.8 VEL 11.841 PTH 2.10 VMP 3.476 DPA -36.09 RAP 304.88 ECC 1.3097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 45 2516.51 -25.57 61.54 157.85 102.61 1 26 41 1916.5 -23.57 53.44
 90.00 15 15 42 4527.51 10.40 190.46 153.51 63.52 16 31 10 3927.5 6.76 183.67
 100.00 2 11 3 2238.16 -26.70 40.77 157.55 103.96 2 48 21 1638.2 -24.52 32.65
 100.00 16 32 5 4281.08 11.45 171.80 152.96 62.20 17 43 26 3681.1 7.64 165.08
 110.00 3 30 34 1989.34 -29.74 20.90 156.57 107.69 4 3 43 1389.3 -27.03 12.76
 110.00 17 29 4 4102.67 14.19 156.67 151.37 58.57 18 37 27 3502.7 9.92 150.16

DIFFERENTIAL CORRECTIONS

TOE .9421 TRA-1.1756 TC3-2.3485 BAU .5975
 RDE .0967 RRA -.0247 RC3 -.3520 FAU .14329
 FDE 2.6634 FRA-1.4100 FC3-6.5914 BSP 8746
 BDE .9470 BRA 1.1759 BC3 2.3747 FSP -2000

MID-COURSE EXECUTION ACCURACY

SGT 2861.1 SGR 332.7 SG3 602.7
 RRT .8756 RRF .9732 RTF .9526
 SGB 2880.4 R23 .2827 R13 .9542
 SG1 2876.0 SG2 159.9 THA 5.83

ORBIT DETERMINATION ACCURACY

ST 1332.5 SR 128.5 SS 1071.4
 CRT .9593 CRS -.9964 CST -.9794
 LSA 1706.1 MSA 171.3 SSA 2.9
 EL1 1338.2 EL2 36.1 ALF 5.29

LAUNCH DATE DEC 6 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 372.602

RL 147.39 LAL .00 LOL 73.67 VL 27.818 GAL -5.77 AZL 84.39 HCA 175.87 SMA 129.22 ECC .17222 INC 5.6112 V1 30.228
 RP 108.56 LAP .40 LOP 249.56 VP 37.657 GAP 3.71 AZP 95.60 TAL 209.92 TAP 25.79 RCA 106.97 APO 151.48 V2 34.909
 RC 109.770 GL 36.15 GP -22.90 ZAL 123.85 ZAP 126.44 ETS 339.09 ZAE 135.18 ETE 208.96 ZAC 49.86 ETC 132.41 CLP-130.15

PLANETOCENTRIC CONIC

C3 21.048 VHL 4.588 DLA 15.25 RAL 294.78 RAD 6567.9 VEL 11.934 PTH 2.12 VMP 3.752 DPA -45.04 RAP 307.34 ECC 1.3464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 1 23 2721.46 -27.79 76.11 162.40 95.65 0 46 44 2121.5 -26.72 67.61
 90.00 16 2 0 4375.77 5.68 181.82 155.83 62.21 17 14 56 3775.8 1.92 175.16
 100.00 1 31 2 2432.31 -29.13 54.68 162.23 97.04 2 11 34 1832.3 -27.85 46.11
 100.00 17 15 2 4140.15 6.86 163.85 155.19 60.83 18 24 2 3540.2 2.92 157.28
 110.00 2 57 49 2160.79 -32.63 33.42 161.59 100.82 3 33 50 1560.8 -30.79 24.68
 110.00 18 4 44 3984.44 9.90 150.19 153.34 57.11 19 11 9 3384.4 5.49 143.87

DIFFERENTIAL CORRECTIONS

TOE 1.2529 TRA-1.2809 TC3-2.2049 BAU .6360
 RDE .2432 RRA -.0633 RC3 -.4972 FAU .12201
 FDE 2.8085 FRA-1.2618 FC3-5.0184 BSP 9471
 BDE 1.2763 BRA 1.2825 BC3 2.2603 FSP -1741

MID-COURSE EXECUTION ACCURACY

SGT 3048.1 SGR 554.1 SG3 519.6
 RRT .9082 RRF .9901 RTF .9553
 SGB 3098.0 R23 .2809 R13 .9588
 SG1 3089.6 SG2 228.8 THA 9.43

ORBIT DETERMINATION ACCURACY

ST 1643.0 SR 305.0 SS 1148.9
 CRT .9743 CRS -.9983 CST -.9858
 LSA 2021.0 MSA 166.9 SSA 1.6
 EL1 1669.7 EL2 67.6 ALF 10.27

LAUNCH DATE DEC 6 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 378.675

RL 147.39 LAL .00 LOL 73.67 VL 27.781 GAL -5.59 AZL 76.97 HCA 179.04 SMA 128.97 ECC .17233 INC13.0209 V1 30.228
 RP 108.59 LAP .22 LOP 252.73 VP 37.619 GAP 4.00 AZP 103.03 TAL 208.82 TAP 27.86 RCA 106.74 APO 151.19 V2 34.897
 RC 112.133 GL 56.60 GP -62.97 ZAL 109.29 ZAP 110.07 ETS 307.91 ZAE 105.49 ETE 216.89 ZAC 80.27 ETC 111.43 CLP-139.02

PLANETOCENTRIC CONIC

C3 55.753 VHL 7.467 DLA 36.20 RAL 294.12 RAD 6569.0 VEL 13.308 PTH 2.43 VMP 7.055 DPA -82.45 RAP 355.64 ECC 1.9176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.45 17 7 18 4328.23 -15.96 190.95 181.13 57.07 18 19 26 3728.2 -20.18 184.22
 113.55 22 46 51 3254.64 -15.94 110.30 181.12 57.07 23 41 6 2654.6 -20.17 103.57
 66.45 17 7 18 4328.23 -15.96 190.95 181.13 57.07 18 19 26 3728.2 -20.18 184.22
 113.55 22 46 51 3254.64 -15.94 110.30 181.12 57.07 23 41 6 2654.6 -20.17 103.57
 66.45 17 7 18 4328.23 -15.96 190.95 181.13 57.07 18 19 26 3728.2 -20.18 184.22
 113.55 22 46 51 3254.64 -15.94 110.30 181.12 57.07 23 41 6 2654.6 -20.17 103.57

DIFFERENTIAL CORRECTIONS

TOE 3.6908 TRA-1.7769 TC3 -.6716 BAU .5300
 RDE .8482 RRA .0118 RC3 -.2337 FAU .03088
 FDE 2.3131 FRA -.6269 FC3 -.4795 BSP 7608
 BDE 3.7870 BRA 1.7770 BC3 .7111 FSP -444

MID-COURSE EXECUTION ACCURACY

SGT 3447.0 SGR 738.6 SG3 173.2
 RRT .8541 RRF .9445 RTF .9772
 SGB 3525.2 R23 .1918 R13 .9812
 SG1 3504.9 SG2 377.8 THA 10.49

ORBIT DETERMINATION ACCURACY

ST 2877.3 SR 650.9 SS 1087.5
 CRT .9834 CRS -.9944 CST -.9971
 LSA 3141.2 MSA 134.4 SSA .8
 EL1 2947.8 EL2 115.2 ALF 12.56

LAUNCH DATE DEC 6 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 384.761

RL 147.39 LAL .00 LOL 73.67 VL 27.743 GAL -5.41 AZL 90.71 HCA 182.24 SMA 128.70 ECC .17257 INC .6967 V1 30.228
 RP 108.63 LAP .03 LOP 255.91 VP 37.581 GAP 4.28 AZP 89.29 TAL 207.70 TAP 29.94 RCA 106.49 APO 150.91 V2 34.886
 RC 114.493 GL -5.51 GP 36.57 ZAL 132.08 ZAP 125.51 ETS 28.97 ZAE 129.91 ETE 145.41 ZAC 37.77 ETC 204.24 CLP-136.33

PLANETOCENTRIC CONIC

C3 12.568 VHL 3.545 DLA -25.24 RAL 304.92 RAD 6567.5 VEL 11.574 PTH 2.02 VMP 4.498 DPA 13.57 RAP 296.24 ECC 1.2068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 29 1169.13 12.11 341.10 162.46 115.79 7 5 58 569.1 15.49 334.05
 90.00 10 37 46 5693.29 27.67 268.95 167.19 96.26 12 12 39 5093.3 28.25 260.34
 100.00 7 44 9 982.96 10.32 326.49 161.53 118.21 8 0 32 383.0 14.01 319.65
 100.00 12 22 47 5354.70 29.68 244.24 167.39 93.75 13 52 2 4754.7 29.88 235.44
 110.00 8 8 0 908.14 6.50 318.51 159.21 123.63 8 23 8 308.1 10.87 312.15
 110.00 14 15 26 5002.27 34.13 217.56 167.48 88.03 15 38 48 4402.3 33.48 208.38

DIFFERENTIAL CORRECTIONS

TOE -.3843 TRA -.7077 TC3-4.1213 BAU .7409
 RDE .0907 RRA .0447 RC3 1.5684 FAU .08994
 FDE -.3241 FRA -.2087 FC3-6.1957 BSP 10548
 BDE .3949 BRA .7091 BC3 4.4097 FSP -1245

MID-COURSE EXECUTION ACCURACY

SGT 3244.0 SGR 1124.5 SG3 383.6
 RRT -.9435 RRF -.9998 RTF .9466
 SGB 3433.3 R23 .2894 R13 -.9571
 SG1 3415.0 SG2 354.1 THA 161.69

ORBIT DETERMINATION ACCURACY

ST 733.0 SR 152.3 SS 214.3
 CRT -.9236 CRS .9987 CST -.9381
 LSA 773.6 MSA 89.4 SSA 4.0
 EL1 746.5 EL2 57.3 ALF 169.08

LAUNCH DATE DEC 6 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 390.804

RL 147.39 LAL .00 LOL 73.67 VL 27.704 GAL -5.22 AZL 88.30 HCA 185.42 SMA 128.43 ECC .17283 INC 1.6977 V1 30.228
 RP 108.66 LAP -.16 LOP 259.08 VP 37.542 GAP 4.56 A7P 91.69 TAL 206.52 TAP 31.93 RCA 106.24 APO 150.63 V2 34.875
 RC 116.852 GL 13.18 GP 16.38 ZAL 129.42 ZAP 135.33 ETS 14.82 ZAE 137.35 ETE 164.09 ZAC 34.61 ETC 176.09 CLP-137.84

PLANETOCENTRIC CONIC

C3 12.884 VHL 3.589 DLA -6.65 RAL 302.23 RAD 6567.5 VEL 11.588 PTH 2.03 VHP 3.932 DPA -6.10 RAP 301.04 ECC 1.2120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 22 14 1906.98 -11.11 22.87 156.11 116.21 3 54 1 1307.0 -7.50 16.05
 90.00 13 40 35 4966.08 22.02 217.36 158.39 71.74 15 3 21 4366.1 19.32 209.73
 100.00 4 40 24 1654.79 -12.01 3.87 155.65 117.58 5 7 59 1054.8 -8.22 357.12
 100.00 15 5 6 4693.50 22.97 196.96 158.04 70.33 16 23 19 4093.5 20.08 189.36
 110.00 5 41 24 1463.81 -14.37 348.00 154.28 121.36 6 5 48 863.8 -10.11 341.49
 110.00 16 20 35 4457.24 25.49 177.93 156.94 66.42 17 34 52 3857.2 22.08 170.43

DIFFERENTIAL CORRECTIONS

TDE .3187 TRA -.9373 TC3-4.2007 BAU .7368
 RDE -.0569 RRA .0578 RC3 .8065 FAU .11417
 FDE .8028 FRA -.4697 FC3-7.6714 BSP 10683
 BDE .3237 BRA .9391 BC3 4.2775 FSP -1607

MID-COURSE EXECUTION ACCURACY

SGT 3409.1 SGR 593.4 SG3 492.9
 RRT -.9552 RRF -.9971 RTF .9460
 SGB 3460.4 R23 .3080 R13 -.9486
 SG1 3456.0 SG2 173.3 THA 170.54

ORBIT DETERMINATION ACCURACY

ST 686.4 SR 96.6 SS 445.6
 CRT -.9107 CRS .9911 CST -.8542
 LSA 798.9 MSA 202.1 SSA 4.7
 EL1 692.1 EL2 39.6 ALF 172.67

LAUNCH DATE DEC 6 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 396.832

RL 147.39 LAL .00 LOL 73.67 VL 27.664 GAL -5.01 AZL 87.67 HCA 188.59 SMA 128.16 ECC .17317 INC 2.3291 V1 30.228
 RP 108.69 LAP -.35 LOP 262.25 VP 37.503 GAP 4.83 A7P 92.30 TAL 205.30 TAP 33.89 RCA 105.97 APO 150.35 V2 34.865
 RC 119.206 GL 17.93 GP 10.21 ZAL 126.77 ZAP 138.91 ETS 9.54 ZAE 137.34 ETE 171.01 ZAC 36.24 ETC 167.44 CLP-139.98

PLANETOCENTRIC CONIC

C3 13.244 VHL 3.639 DLA -1.66 RAL 302.79 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 3.949 DPA -12.00 RAP 303.13 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 52 2069.20 -15.80 32.48 157.53 113.81 3 21 21 1469.2 -12.44 25.41
 90.00 14 20 23 4815.77 18.51 207.74 158.12 68.18 15 40 39 4215.8 15.38 200.46
 100.00 4 7 27 1809.29 -16.69 12.94 157.11 115.16 4 37 36 1209.3 -13.16 5.93
 100.00 15 42 30 4550.91 19.41 187.87 157.72 66.81 16 58 20 3950.9 16.11 180.63
 110.00 5 13 55 1601.19 -19.07 355.87 155.83 118.92 5 40 37 1001.2 -15.07 349.04
 110.00 16 52 30 4331.78 21.84 170.02 156.51 63.02 18 4 42 3731.8 18.04 162.94

DIFFERENTIAL CORRECTIONS

TDE .5284 TRA -.9910 TC3-4.2503 BAU .7591
 RDE -.0415 RRA .0454 RC3 .5590 FAU .11252
 FDE 1.1087 FRA -.4562 FC3-7.3552 BSP 11164
 BDE .5300 BRA .9921 BC3 4.2869 FSP -1614

MID-COURSE EXECUTION ACCURACY

SGT 3563.5 SGR 418.2 SG3 490.5
 RRT -.9559 RRF -.9871 RTF .9460
 SGB 3588.0 R23 .2787 R13 -.9470
 SG1 3585.9 SG2 122.1 THA 173.59

ORBIT DETERMINATION ACCURACY

ST 959.1 SR 69.9 SS 602.5
 CRT -.9782 CRS .9780 CST -.9256
 LSA 1117.7 MSA 196.1 SSA 5.6
 EL1 961.5 EL2 14.5 ALF 175.92

LAUNCH DATE DEC 6 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 402.844

RL 147.39 LAL .00 LOL 73.67 VL 27.623 GAL -4.80 AZL 87.38 HCA 191.77 SMA 127.88 ECC .17358 INC 2.6209 V1 30.228
 RP 108.72 LAP -.53 LOP 265.42 VP 37.464 GAP 5.09 A7P 92.57 TAL 204.04 TAP 35.81 RCA 105.68 APO 150.08 V2 34.856
 RC 121.557 GL 20.16 GP 7.30 ZAL 124.61 ZAP 141.46 ETS 6.93 ZAE 136.56 ETE 174.20 ZAC 37.91 ETC 163.87 CLP-142.06

PLANETOCENTRIC CONIC

C3 13.336 VHL 3.652 DLA .90 RAL 303.89 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 4.030 CPA -14.66 RAP 304.78 ECC 1.2195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 18 2149.97 -17.95 37.43 159.17 112.27 3 8 8 1550.0 -14.77 30.20
 90.00 14 43 44 4737.97 16.47 202.94 158.85 66.64 16 2 42 4138.0 13.17 195.82
 100.00 3 54 4 1886.24 -18.86 17.63 158.76 113.63 4 25 30 1286.2 -15.50 10.45
 100.00 16 4 39 4476.94 17.37 183.32 158.43 65.28 17 19 16 3876.9 13.89 176.26
 110.00 5 3 17 1669.61 -21.27 359.96 157.54 117.41 5 31 6 1069.6 -17.43 352.94
 110.00 17 11 56 4266.34 19.76 166.07 157.16 61.53 18 23 3 3666.3 15.81 159.19

DIFFERENTIAL CORRECTIONS

TDE .6505 TRA -1.0028 TC3-4.3690 BAU .7832
 RDE -.0221 RRA .0352 RC3 .4567 FAU .10736
 FDE 1.2215 FRA -.3816 FC3-6.9699 BSP 11598
 BDE .6508 BRA 1.0034 BC3 4.3928 FSP -1558

MID-COURSE EXECUTION ACCURACY

SGT 3701.3 SGR 339.9 SG3 472.8
 RRT -.9433 RRF -.9665 RTF .9451
 SGB 3716.9 R23 .2235 R13 -.9457
 SG1 3715.2 SG2 112.4 THA 175.04

ORBIT DETERMINATION ACCURACY

ST 1128.5 SR 39.7 SS 672.3
 CRT -.9856 CRS .9254 CST -.9432
 LSA 1299.8 MSA 194.1 SSA 6.7
 EL1 1129.2 EL2 6.7 ALF 178.01

LAUNCH DATE DEC 6 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 408.838

RL 147.39 LAL .00 LOL 73.67 VL 27.582 GAL -4.58 AZL 87.21 HCA 194.94 SMA 127.60 ECC .17407 INC 2.7894 V1 30.228
 RP 108.75 LAP -.72 LOP 268.59 VP 37.425 GAP 5.34 A7P 92.70 TAL 202.75 TAP 37.69 RCA 105.39 APO 149.81 V2 34.846
 RC 123.903 GL 21.52 GP 5.62 ZAL 122.60 ZAP 143.64 ETS 5.42 ZAE 135.70 ETE 175.92 ZAC 39.49 ETC 162.14 CLP-144.02

PLANETOCENTRIC CONIC

C3 13.305 VHL 3.648 DLA 2.64 RAL 305.23 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 4.129 DPA -16.08 RAP 306.34 ECC 1.2190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 46 2203.22 -19.29 40.76 160.83 111.14 3 1 30 1603.2 -16.25 33.41
 90.00 15 1 56 4683.71 14.98 199.66 159.90 65.68 16 19 59 4083.7 11.57 192.64
 100.00 3 47 21 1936.88 -20.21 20.79 160.44 112.51 4 19 37 1336.9 -16.98 13.48
 100.00 16 22 3 4425.28 15.87 180.22 159.47 64.33 17 35 48 3825.3 12.29 173.26
 110.00 4 58 25 1714.46 -22.65 2.71 159.25 116.31 5 26 59 1114.5 -18.93 355.55
 110.00 17 27 28 4220.47 18.25 163.38 158.17 60.58 18 37 48 3620.5 14.20 156.61

DIFFERENTIAL CORRECTIONS

TDE .7394 TRA -.9969 TC3-4.5248 BAU .8081
 RDE -.0046 RRA .0270 RC3 .4084 FAU .10203
 FDE 1.2572 FRA -.2999 FC3-6.6390 BSP 12045
 BDE .7394 BRA .9973 BC3 4.5431 FSP -1505

MID-COURSE EXECUTION ACCURACY

SGT 3834.3 SGR 301.0 SG3 453.7
 RRT -.9170 RRF -.9345 RTF .9445
 SGB 3846.1 R23 .1691 R13 -.9449
 SG1 3844.3 SG2 119.7 THA 175.88

ORBIT DETERMINATION ACCURACY

ST 1257.0 SR 17.2 SS 708.2
 CRT -.7091 CRS .5112 CST -.9516
 LSA 1430.0 MSA 191.6 SSA 7.9
 EL1 1257.0 EL2 12.1 ALF 179.44

LAUNCH DATE DEC 6 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 414.817

RL 147.39 LAL .00 LOL 73.67 VL 27.539 GAL -4.36 AZL 87.10 MCA 198.11 SMA 127.31 ECC .17465 INC 2.9003 V1 30.228
 RP 108.78 LAP -.90 LOP 271.76 VP 37.386 GAP 5.60 AZP 92.76 TAL 201.42 TAP 39.54 RCA 105.08 APO 149.55 V2 34.838
 RC 126.245 GL 22.47 GP 4.54 ZAL 120.64 ZAP 145.61 ETS 4.46 ZAE 134.88 ETE 176.96 ZAC 41.05 ETC 161.28 CLP-145.88

PLANETOCENTRIC CONIC

C3 13.216 VHL 3.635 OLA 4.00 RAL 306.72 RAD 6567.5 VEL 11.602 PTH 2.03 VHP 4.235 DPA -16.88 RAP 307.91 ECC 1.2175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 30 2244.36 -20.28 43.38 162.55 110.20 2 57 54 1644.4 -17.35 35.93
 90.00 15 18 5 4639.68 13.73 197.03 161.14 64.99 16 35 25 4039.7 10.24 190.08
 100.00 3 43 43 1975.94 -21.21 23.26 162.17 111.58 4 16 39 1375.9 -18.09 15.85
 100.00 16 37 33 4383.33 14.62 177.73 160.69 63.63 17 50 37 3783.3 10.96 170.86
 110.00 4 56 16 1748.88 -23.68 4.86 161.01 115.41 5 25 25 1148.9 -20.06 357.59
 110.00 17 41 30 4183.15 16.99 161.22 159.37 59.88 18 51 13 3583.2 12.86 154.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8049 TRA -.9871 TC3-4.7229 BAU .8373 SGT 3979.1 SGR 283.2 SG3 437.0 ST 1356.0 SR 22.0 SS 722.1
 ROE .0114 RRA .0202 RC3 .3863 FAU .09754 RRT -.8798 RRF -.8944 RTF .9450 CRT .5829 CRS -.7603 CST -.9563
 FOE 1.2470 FRA -.2319 FC3-6.3898 BSP 12694 SGB 3989.2 R23 .1306 R13 -.9453 LSA 1524.8 MSA 188.3 SSA 9.3
 BOE .8049 BRA .9873 BC3 4.7387 FSP -1487 SG1 3986.9 SG2 134.4 THA 176.41 EL1 1356.0 EL2 17.9 ALF .54

LAUNCH DATE DEC 6 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 420.784

RL 147.39 LAL .00 LOL 73.67 VL 27.496 GAL -4.12 AZL 87.02 MCA 201.28 SMA 127.02 ECC .17531 INC 2.9789 V1 30.228
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.347 GAP 5.84 AZP 92.78 TAL 200.06 TAP 41.35 RCA 104.76 APO 149.29 V2 34.830
 RC 128.581 GL 23.19 GP 3.78 ZAL 118.65 ZAP 147.43 ETS 3.80 ZAE 134.14 ETE 177.61 ZAC 42.63 ETC 160.89 CLP-147.62

PLANETOCENTRIC CONIC

C3 13.099 VHL 3.619 OLA 5.19 RAL 308.34 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 4.346 DPA -17.31 RAP 309.53 ECC 1.2156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 1 2279.63 -21.09 45.64 164.34 109.34 2 56 0 1679.6 -18.26 38.11
 90.00 15 33 30 4600.57 12.59 194.72 162.53 64.42 16 50 10 4000.6 9.04 187.83
 100.00 3 41 48 2009.37 -22.03 25.40 163.97 110.74 4 15 18 1409.4 -19.01 17.91
 100.00 16 52 24 4346.07 13.48 175.55 162.08 63.07 18 4 50 3746.1 9.76 168.74
 110.00 4 55 39 1778.23 -24.52 6.72 162.84 114.60 5 25 18 1178.2 -20.99 359.35
 110.00 17 55 2 4149.97 15.85 159.32 160.73 59.31 19 4 12 3550.0 11.66 152.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9095 TRA -.9215 TC3-4.7922 BAU .8417 SGT 4031.4 SGR 267.0 SG3 407.8 ST 1509.0 SR 36.1 SS 783.8
 ROE .0221 RRA .0098 RC3 .3651 FAU .08851 RRT -.8261 RRF -.8314 RTF .9375 CRT .8698 CRS -.9498 CST -.9608
 FOE 1.3160 FRA -.0650 FC3-5.8497 BSP 12239 SGB 4040.2 R23 .0990 R13 -.9377 LSA 1689.6 MSA 194.5 SSA 9.8
 BOE .9095 BRA .9216 BC3 4.8061 FSP -1265 SG1 4037.4 SG2 150.3 THA 176.86 EL1 1509.3 EL2 17.8 ALF 1.19

LAUNCH DATE DEC 6 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 426.730

RL 147.39 LAL .00 LOL 73.67 VL 27.453 GAL -3.87 AZL 86.96 MCA 204.45 SMA 126.74 ECC .17606 INC 3.0380 V1 30.228
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.308 GAP 6.09 AZP 92.77 TAL 198.68 TAP 43.13 RCA 104.42 APO 149.05 V2 34.822
 RC 130.911 GL 23.76 GP 3.23 ZAL 116.63 ZAP 149.13 ETS 3.34 ZAE 133.48 ETE 178.05 ZAC 44.24 ETC 160.78 CLP-149.28

PLANETOCENTRIC CONIC

C3 12.978 VHL 3.602 OLA 6.27 RAL 310.06 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 4.460 DPA -17.52 RAP 311.20 ECC 1.2136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 38 2311.76 -21.80 47.73 166.22 108.53 2 55 10 1711.8 -19.07 40.12
 90.00 15 48 37 4564.43 11.52 192.60 164.05 63.95 17 4 41 3964.4 7.92 185.77
 100.00 3 40 58 2039.78 -22.75 27.37 165.86 109.94 4 14 58 1439.8 -19.82 19.80
 100.00 17 6 58 4311.64 12.41 173.56 163.59 62.59 18 18 50 3711.6 8.64 166.80
 110.00 4 56 2 1804.85 -25.26 8.43 164.76 113.83 5 26 7 1204.9 -21.82 .97
 110.00 18 8 24 4119.33 14.78 157.60 162.23 58.82 19 17 3 3519.3 10.54 151.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9566 TRA -.9001 TC3-5.0229 BAU .8738 SGT 4181.6 SGR 268.9 SG3 395.0 ST 1585.2 SR 57.5 SS 777.8
 ROE .0358 RRA .0039 RC3 .3647 FAU .08537 RRT -.7765 RRF -.7838 RTF .9395 CRT .9318 CRS -.9797 CST -.9633
 FOE 1.2669 FRA -.0194 FC3-5.6952 BSP 13057 SGB 4190.2 R23 .0841 R13 -.9397 LSA 1756.5 MSA 189.0 SSA 11.2
 BOE .9572 BRA .9001 BC3 5.0362 FSP -1289 SG1 4186.8 SG2 169.2 THA 177.14 EL1 1586.1 EL2 20.9 ALF 1.94

LAUNCH DATE DEC 6 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 432.663

RL 147.39 LAL .00 LOL 73.67 VL 27.410 GAL -3.62 AZL 86.92 MCA 207.62 SMA 126.45 ECC .17692 INC 3.0840 V1 30.228
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.270 GAP 6.33 AZP 92.73 TAL 197.27 TAP 44.88 RCA 104.08 APO 148.82 V2 34.816
 RC 133.236 GL 24.23 GP 2.80 ZAL 114.54 ZAP 150.73 ETS 3.02 ZAE 132.88 ETE 178.36 ZAC 45.89 ETC 160.84 CLP-150.85

PLANETOCENTRIC CONIC

C3 12.860 VHL 3.586 OLA 7.30 RAL 311.89 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 4.576 DPA -17.56 RAP 312.93 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 1 2342.49 -22.45 49.75 168.21 107.72 2 55 3 1742.5 -19.82 42.07
 90.00 16 3 50 4529.76 10.47 190.59 165.71 63.54 17 19 20 3929.8 6.84 183.80
 100.00 3 40 51 2068.84 -23.41 29.28 167.86 109.14 4 15 20 1468.8 -20.58 21.62
 100.00 17 21 41 4278.64 11.37 171.66 165.25 62.17 18 33 0 3678.6 7.56 164.95
 110.00 4 57 6 1830.23 -25.95 10.08 166.78 113.07 5 27 36 1230.2 -22.60 2.53
 110.00 18 21 56 4090.01 13.74 155.96 163.86 58.39 19 30 6 3490.0 9.45 149.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0188 TRA -.8537 TC3-5.2019 BAU .8965 SGT 4296.5 SGR 271.9 SG3 378.7 ST 1683.0 SR 76.1 SS 788.8
 ROE .0473 RRA -.0034 RC3 .3641 FAU .08084 RRT -.7220 RRF -.7292 RTF .9388 CRT .9603 CRS -.9863 CST -.9660
 FOE 1.2464 FRA .0570 FC3-5.4420 BSP 13467 SGB 4305.1 R23 .0724 R13 -.9389 LSA 1850.8 MSA 186.2 SSA 12.3
 BOE 1.0199 BRA .8537 BC3 5.2146 FSP -1243 SG1 4301.0 SG2 187.9 THA 177.38 EL1 1684.6 EL2 21.2 ALF 2.49

LAUNCH DATE DEC 6 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 438.581

RL 147.39 LAL .00 LOL 73.67 VL 27.366 GAL -3.35 AZL 86.88 HCA 210.78 SMA 126.16 ECC .17787 INC 3.1214 V1 30.228
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.232 GAP 6.57 AZP 92.68 TAL 195.83 TAP 46.61 RCA 103.72 APO 148.60 V2 34.809
 RC 135.553 GL 24.62 GP 2.47 ZAL 112.38 ZAP 152.24 ETS 2.79 ZAE 132.35 ETE 178.57 ZAC 47.58 ETC 161.01 CLP-152.34

PLANETOCENTRIC CONIC

C3 12.753 VML 3.571 DLA 8.30 RAL 313.82 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 4.694 DPA -17.48 RAP 314.71 ECC 1.2099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 55 2372.73 -23.07 51.76 170.32 106.90 2 55 28 1772.7 -20.53 44.00
 90.00 16 19 21 4495.96 9.44 188.65 167.51 63.18 17 34 17 3896.0 5.77 181.89
 100.00 3 41 17 2097.41 -24.03 31.17 169.98 108.33 4 16 14 1497.4 -21.30 23.44
 100.00 17 36 40 4246.51 10.34 169.83 167.04 61.80 18 47 27 3646.5 6.49 163.16
 110.00 4 58 42 1855.15 -26.61 11.72 168.93 112.30 5 29 37 1255.1 -23.34 4.08
 110.00 18 35 45 4061.54 12.71 154.39 165.63 58.00 19 43 26 3461.5 8.39 147.96

DIFFERENTIAL CORRECTIONS

TOE 1.0826 TRA -.7967 TC3-5.3700 BAU .9177
 RDE .0580 RRA -.0111 RC3 .3652 FAU .07639
 FDE 1.2277 FRA .1339 FC3-5.1854 BSP 13826
 BDE 1.0841 BRA .7968 BC3 5.3825 FSP -1194

MID-COURSE EXECUTION ACCURACY

SGT 4404.2 SGR 277.5 SG3 362.9
 RRT -.6674 RRF -.6748 RTF .9377
 SGB 4412.9 R23 .0640 R13 -.9378
 SG1 4408.1 SG2 206.5 THA 177.59

ORBIT DETERMINATION ACCURACY

ST 1783.3 SR 93.5 SS 800.6
 CRT .9760 CRS -.9861 CST -.9684
 LSA 1948.4 MSA 183.5 SSA 13.3
 EL1 1785.7 EL2 20.3 ALF 2.93

LAUNCH DATE DEC 6 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 444.485

RL 147.39 LAL .00 LOL 73.67 VL 27.322 GAL -3.07 AZL 86.85 HCA 213.95 SMA 125.87 ECC .17894 INC 3.1524 V1 30.228
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.194 GAP 6.81 AZP 92.62 TAL 194.36 TAP 48.31 RCA 103.35 APO 148.40 V2 34.804
 RC 137.863 GL 24.93 GP 2.21 ZAL 110.14 ZAP 153.67 ETS 2.64 ZAE 131.89 ETE 178.72 ZAC 49.33 ETC 161.25 CLP-153.76

PLANETOCENTRIC CONIC

C3 12.667 VML 3.559 DLA 9.29 RAL 315.85 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 4.815 DPA -17.29 RAP 316.55 ECC 1.2085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 14 2403.09 -23.65 53.79 172.55 106.04 2 56 17 1803.1 -21.23 45.96
 90.00 16 35 15 4462.67 8.41 186.74 169.45 62.86 17 49 37 3862.7 4.71 180.02
 100.00 3 42 8 2126.07 -24.63 33.09 172.23 107.49 4 17 34 1526.1 -22.01 25.28
 100.00 17 52 2 4214.92 9.32 168.04 168.97 61.47 19 2 17 3614.9 5.44 161.40
 110.00 5 0 43 1880.11 -27.24 13.39 171.20 111.50 5 32 3 1280.1 -24.07 5.65
 110.00 18 49 56 4033.64 11.70 152.86 167.54 57.65 19 57 10 3433.6 7.35 146.47

DIFFERENTIAL CORRECTIONS

TOE 1.1466 TRA -.7322 TC3-5.5310 BAU .9387
 RDE .0681 RRA -.0188 RC3 .3672 FAU .07220
 FDE 1.2081 FRA .2063 FC3-4.9351 BSP 14182
 BDE 1.1486 BRA .7324 BC3 5.5432 FSP -1147

MID-COURSE EXECUTION ACCURACY

SGT 4509.3 SGR 285.1 SG3 348.1
 RRT -.6145 RRF -.6227 RTF .9366
 SGB 4518.3 R23 .0579 R13 -.9367
 SG1 4512.7 SG2 224.8 THA 177.77

ORBIT DETERMINATION ACCURACY

ST 1884.1 SR 110.3 SS 811.4
 CRT .9853 CRS -.9830 CST -.9705
 LSA 2046.3 MSA 180.4 SSA 14.3
 EL1 1887.2 EL2 18.8 ALF 3.30

LAUNCH DATE DEC 6 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 450.374

RL 147.39 LAL .00 LOL 73.67 VL 27.278 GAL -2.79 AZL 86.82 HCA 217.11 SMA 125.58 ECC .18013 INC 3.1786 V1 30.228
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.157 GAP 7.05 AZP 92.54 TAL 192.87 TAP 49.99 RCA 102.96 APO 148.21 V2 34.799
 RC 140.164 GL 25.18 GP 1.99 ZAL 107.83 ZAP 155.04 ETS 2.54 ZAE 131.48 ETE 178.83 ZAC 51.12 ETC 161.54 CLP-155.11

PLANETOCENTRIC CONIC

C3 12.604 VML 3.550 DLA 10.27 RAL 317.98 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 4.938 DPA -17.02 RAP 318.44 ECC 1.2074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 53 2433.97 -24.22 55.87 174.93 105.14 2 57 27 1834.0 -21.90 47.97
 90.00 16 51 36 4429.69 7.38 184.86 171.54 62.59 18 5 26 3829.7 3.65 178.17
 100.00 3 43 19 2155.20 -25.21 35.06 174.62 106.61 4 19 14 1555.2 -22.70 27.16
 100.00 18 7 51 4183.69 8.30 166.28 171.05 61.18 19 17 35 3583.7 4.39 159.68
 110.00 5 3 7 1905.46 -27.86 15.10 173.62 110.66 5 34 53 1305.5 -24.79 7.27
 110.00 19 4 32 4006.19 10.70 151.37 169.60 57.34 20 11 19 3406.2 6.32 145.02

DIFFERENTIAL CORRECTIONS

TOE 1.2118 TRA -.6588 TC3-5.6790 BAU .9590
 RDE .0778 RRA -.0268 RC3 .3691 FAU .06827
 FDE 1.1875 FRA .2747 FC3-4.6892 BSP 14534
 BDE 1.2143 BRA .6594 BC3 5.6910 FSP -1105

MID-COURSE EXECUTION ACCURACY

SGT 4610.1 SGR 293.9 SG3 334.2
 RRT -.5638 RRF -.5735 RTF .9358
 SGB 4619.4 R23 .0537 R13 -.9359
 SG1 4613.0 SG2 242.6 THA 177.94

ORBIT DETERMINATION ACCURACY

ST 1936.1 SR 126.4 SS 820.8
 CRT .9907 CRS -.9782 CST -.9726
 LSA 2145.4 MSA 176.9 SSA 15.2
 EL1 1990.0 EL2 17.2 ALF 3.61

LAUNCH DATE DEC 6 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 456.248

RL 147.39 LAL .00 LOL 73.67 VL 27.233 GAL -2.49 AZL 86.80 HCA 220.28 SMA 125.30 ECC .18143 INC 3.2013 V1 30.228
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.121 GAP 7.29 AZP 92.44 TAL 191.36 TAP 51.64 RCA 102.57 APO 148.03 V2 34.795
 RC 142.456 GL 25.37 GP 1.81 ZAL 105.44 ZAP 156.34 ETS 2.49 ZAE 131.12 ETE 178.92 ZAC 52.97 ETC 161.85 CLP-156.41

PLANETOCENTRIC CONIC

C3 12.572 VML 3.546 DLA 11.24 RAL 320.21 RAD 6567.5 VEL 11.574 PTH 2.02 VHP 5.064 DPA -16.69 RAP 320.37 ECC 1.2069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 48 2465.62 -24.76 58.03 177.45 104.19 2 58 53 1865.6 -22.57 50.05
 90.00 17 8 29 4396.95 6.35 183.01 173.78 62.35 18 21 46 3797.0 2.60 176.34
 100.00 3 44 48 2185.04 -25.78 37.10 177.15 105.68 4 21 13 1585.0 -23.38 29.12
 100.00 18 24 10 4152.76 7.28 164.55 173.27 60.93 19 33 23 3552.8 3.35 157.97
 110.00 5 5 51 1931.41 -28.47 16.87 176.18 109.77 5 38 2 1331.4 -25.51 8.94
 110.00 19 19 36 3979.15 9.70 149.91 171.80 57.06 20 25 55 3379.2 5.29 143.59

DIFFERENTIAL CORRECTIONS

TOE 1.2816 TRA -.5743 TC3-5.8021 BAU .9772
 RDE .0870 RRA -.0350 RC3 .3697 FAU .06434
 FDE 1.1712 FRA .3435 FC3-4.4302 BSP 14813
 BDE 1.2846 BRA .5753 BC3 5.8138 FSP -1057

MID-COURSE EXECUTION ACCURACY

SGT 4702.5 SGR 303.0 SG3 320.6
 RRT -.5144 RRF -.5249 RTF .9346
 SGB 4712.3 R23 .0497 R13 -.9347
 SG1 4705.1 SG2 259.7 THA 178.10

ORBIT DETERMINATION ACCURACY

ST 2094.0 SR 141.9 SS 832.4
 CRT .9934 CRS -.9722 CST -.9747
 LSA 2251.1 MSA 173.5 SSA 16.1
 EL1 2098.7 EL2 16.3 ALF 3.85

LAUNCH DATE DEC 6 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.189 GAL -2.18 AZL 86.78 MCA 223.44 SMA 125.01 ECC .18287 INC 3.2212 V1 30.228
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.085 GAP 7.53 AZP 92.34 TAL 189.83 TAP 53.27 RCA 102.15 APO 147.88 V2 34.791
 RC 144.737 GL 25.50 GP 1.65 ZAL 102.97 ZAP 157.59 ETS 2.48 ZAE 130.80 ETE 178.98 ZAC 54.85 ETC 162.18 CLP-157.65

PLANETOCENTRIC CONIC

C3 12.576 VHL 3.546 DLA 12.21 RAL 322.54 RAD 6567.5 VEL 11.574 PTH 2.02 VHP 5.192 DPA -16.29 RAP 322.33 ECC 1.2070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 58 2498.21 -25.29 60.28 180.12 103.19 3 0 36 1898.2 -23.22 52.21
 90.00 17 25 52 4364.47 5.32 181.18 176.17 62.15 18 38 36 3764.5 1.55 174.53
 100.00 3 46 33 2215.74 -26.33 39.21 179.84 104.69 4 23 28 1615.7 -24.05 31.15
 100.00 18 40 58 4122.18 6.26 162.85 175.66 60.71 19 49 40 3522.2 2.31 156.29
 110.00 5 8 53 1958.09 -29.07 18.72 178.90 108.83 5 41 31 1358.1 -26.23 10.69
 110.00 19 35 7 3952.59 8.71 148.49 174.16 56.81 20 41 0 3352.6 4.29 142.20

DIFFERENTIAL CORRECTIONS

TOE 1.3514 TRA -.4837 TC3-5.9140 BAU .9962
 ROE .0961 RRA -.0432 RC3 .3694 FAU .06079
 FOE 1.1526 FRA .4050 FC3-4.1851 BSP 15137
 BOE 1.3548 BRA .4856 BC3 5.9255 FSP -1019

MID-COURSE EXECUTION ACCURACY

SGT 4795.9 SGR 312.8 SG3 308.2
 RRT -.4684 RRF -.4805 RTF .9341
 SGB 4806.1 R23 .0470 R13 -.9342
 SG1 4798.1 SG2 276.3 THA 178.24

ORBIT DETERMINATION ACCURACY

ST 2200.2 SR 157.0 SS 841.2
 CRT .9939 CRS -.9656 CST -.9766
 LSA 2354.6 MSA 169.6 SSA 16.9
 EL1 2205.7 EL2 17.3 ALF 4.06

LAUNCH DATE DEC 6 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.145 GAL -1.86 AZL 86.76 MCA 226.60 SMA 124.73 ECC .18446 INC 3.2389 V1 30.228
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.050 GAP 7.77 AZP 92.23 TAL 188.28 TAP 54.89 RCA 101.72 APO 147.74 V2 34.788
 RC 147.008 GL 25.56 GP 1.53 ZAL 100.43 ZAP 158.79 ETS 2.50 ZAE 130.52 ETE 179.03 ZAC 56.78 ETC 162.52 CLP-158.84

PLANETOCENTRIC CONIC

C3 12.620 VHL 3.552 DLA 13.17 RAL 324.96 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 5.324 DPA -15.83 RAP 324.33 ECC 1.2077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 21 2531.85 -25.79 62.61 182.95 102.12 3 2 33 1931.8 -23.86 54.47
 90.00 17 43 47 4332.32 4.30 179.37 178.72 61.98 18 55 59 3732.3 .52 172.73
 100.00 3 48 33 2247.40 -26.85 41.42 182.67 103.65 4 26 0 1647.4 -24.71 33.27
 100.00 18 58 16 4092.01 5.26 161.18 178.19 60.53 20 6 28 3492.0 1.29 154.63
 110.00 5 12 13 1985.58 -29.66 20.64 181.78 107.83 5 45 19 1385.6 -26.94 12.51
 110.00 19 51 5 3926.59 7.74 147.10 176.66 56.60 20 56 31 3326.6 3.30 140.83

DIFFERENTIAL CORRECTIONS

TOE 1.4223 TRA -.3844 TC3-6.0059 BAU 1.0152
 ROE .1053 RRA -.0513 RC3 .3675 FAU .05749
 FOE 1.1329 FRA .4637 FC3-3.9441 BSP 15465
 BOE 1.4262 BRA .3878 BC3 6.0171 FSP -985

MID-COURSE EXECUTION ACCURACY

SGT 4886.3 SGR 322.8 SG3 296.6
 RRT -.4250 RRF -.4392 RTF .9337
 SGB 4896.9 R23 .0453 R13 -.9338
 SG1 4888.2 SG2 292.1 THA 178.39

ORBIT DETERMINATION ACCURACY

ST 2305.5 SR 171.9 SS 848.1
 CRT .9927 CRS -.9585 CST -.9783
 LSA 2456.9 MSA 165.8 SSA 17.7
 EL1 2311.8 EL2 20.7 ALF 4.23

LAUNCH DATE DEC 6 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.101 GAL -1.53 AZL 86.75 MCA 229.76 SMA 124.45 ECC .18619 INC 3.2548 V1 30.228
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.016 GAP 8.01 AZP 92.10 TAL 186.72 TAP 56.48 RCA 101.28 APO 147.62 V2 34.786
 RC 149.266 GL 25.56 GP 1.41 ZAL 97.82 ZAP 159.94 ETS 2.55 ZAE 130.29 ETE 179.07 ZAC 58.75 ETC 162.86 CLP-159.99

PLANETOCENTRIC CONIC

C3 12.709 VHL 3.565 DLA 14.13 RAL 327.47 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 5.459 DPA -15.32 RAP 326.36 ECC 1.2092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 57 2566.59 -26.26 65.04 185.93 100.99 3 4 43 1966.6 -24.48 56.83
 90.00 18 2 12 4300.62 3.28 177.60 181.43 61.86 19 13 53 3700.6 -.51 170.97
 100.00 3 50 47 2280.06 -27.36 43.71 185.67 102.54 4 28 47 1680.1 -25.36 35.49
 100.00 19 16 2 4062.38 4.26 159.54 180.89 60.39 20 23 45 3462.4 .29 153.01
 110.00 5 15 51 2013.91 -30.23 22.64 184.81 106.77 5 49 25 1413.9 -27.64 14.41
 110.00 20 7 28 3901.30 6.79 145.76 179.32 56.42 21 12 29 3301.3 2.33 139.51

DIFFERENTIAL CORRECTIONS

TOE 1.4965 TRA -.2753 TC3-6.0679 BAU 1.0329
 ROE .1144 RRA -.0595 RC3 .3632 FAU .05426
 FOE 1.1152 FRA .5208 FC3-3.6958 BSP 15769
 BOE 1.5009 BRA .2817 BC3 6.0788 FSP -951

MID-COURSE EXECUTION ACCURACY

SGT 4971.0 SGR 332.6 SG3 285.3
 RRT -.3830 RRF -.3989 RTF .9333
 SGB 4982.1 R23 .0433 R13 -.9333
 SG1 4972.7 SG2 307.1 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 2412.5 SR 186.4 SS 854.9
 CRT .9902 CRS -.9509 CST -.9800
 LSA 2561.1 MSA 162.2 SSA 18.4
 EL1 2419.6 EL2 26.0 ALF 4.38

LAUNCH DATE DEC 6 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

RL 147.39 LAL .00 LOL 73.67 VL 27.057 GAL -1.19 AZL 86.73 MCA 232.93 SMA 124.17 ECC .18808 INC 3.2693 V1 30.228
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.982 GAP 8.26 AZP 91.97 TAL 185.14 TAP 58.06 RCA 100.82 APO 147.53 V2 34.785
 RC 151.511 GL 25.49 GP 1.32 ZAL 95.14 ZAP 161.05 ETS 2.63 ZAE 130.08 ETE 179.11 ZAC 60.75 ETC 163.19 CLP-161.09

PLANETOCENTRIC CONIC

C3 12.851 VHL 3.585 DLA 15.08 RAL 330.06 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.598 DPA -14.77 RAP 328.41 ECC 1.2115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 45 2602.43 -26.70 67.58 189.06 99.79 3 7 7 2002.4 -25.08 59.29
 90.00 18 21 5 4269.53 2.28 175.86 184.30 61.77 19 32 15 3669.5 -1.51 169.23
 100.00 3 53 17 2313.71 -27.83 46.10 188.82 101.37 4 31 50 1713.7 -25.98 37.79
 100.00 19 34 15 4033.48 3.29 157.95 183.74 60.27 20 41 29 3433.5 -.69 151.42
 110.00 5 19 47 2043.06 -30.79 24.74 188.01 105.65 5 53 50 1443.1 -28.33 16.40
 110.00 20 24 15 3876.89 5.87 144.47 182.14 56.26 21 28 51 3276.9 1.40 138.24

DIFFERENTIAL CORRECTIONS

TDE 1.5756 TRA -.1551 TC3-6.0926 BAU 1.0485
 RDE .1237 RRA -.0676 RC3 .3565 FAU .05105
 FDE 1.1002 FRA .5768 FC3-3.4388 BSP 15977
 BDE 1.5804 BRA .1692 BC3 6.1030 FSP -910

MID-COURSE EXECUTION ACCURACY

SGT 5048.6 SGR 341.9 SG3 274.3
 RRT -.3417 RRF -.3585 RTF .9328
 SGB 5060.2 R23 .0410 R13 -.9328
 SG1 5049.9 SG2 321.3 THA 178.67

ORBIT DETERMINATION ACCURACY

ST 2522.8 SR 200.7 SS 862.4
 CRT .9865 CRS -.9431 CST -.9816
 LSA 2668.9 MSA 159.1 SSA 18.9
 EL1 2530.6 EL2 32.7 ALF 4.49

LAUNCH DATE DEC 6 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 485.391

RL 147.39 LAL .00 LOL 73.67 VL 27.013 GAL -.83 AZL 86.72 HCA 236.09 SMA 123.90 ECC .19015 INC 3.2827 V1 30.228
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.949 GAP 8.51 AZP 91.83 TAL 183.54 TAP 59.62 RCA 100.34 APO 147.46 V2 34.784
 RC 153.743 GL 25.35 GP 1.23 ZAL 92.41 ZAP 162.12 ETS 2.74 ZAE 129.90 ETE 179.14 ZAC 62.78 ETC 163.52 CLP-162.17

PLANETOCENTRIC CONIC

C3 13.050 VHL 3.613 DLA 16.00 RAL 332.74 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 5.741 DPA -14.17 RAP 330.48 ECC 1.2148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 46 2639.32 -27.10 70.20 192.35 98.53 3 9 46 2039.3 -25.64 61.84
 90.00 18 40 25 4239.27 1.31 174.17 187.33 61.71 19 51 4 3639.3 -2.49 167.54
 100.00 3 56 1 2348.30 -28.27 48.58 192.13 100.13 4 35 9 1748.3 -26.58 40.18
 100.00 19 52 51 4005.52 2.34 156.41 186.75 60.19 20 59 37 3405.5 -1.64 149.89
 110.00 5 24 0 2072.99 -31.32 26.91 191.37 104.46 5 58 33 1473.0 -29.01 18.46
 110.00 20 41 21 3853.60 4.99 143.24 185.10 56.14 21 45 35 3253.6 .51 137.02

DIFFERENTIAL CORRECTIONS

TOE 1.6538 TRA -.0273 TC3-6.0952 BAU 1.0652
 RDE .1334 RRA -.0754 RC3 .3476 FAU .04815
 FDE 1.0827 FRA .6292 FC3-3.1943 BSP 16255
 BDE 1.6592 BRA .0801 BC3 6.1051 FSP -879

MID-COURSE EXECUTION ACCURACY

SGT 5126.0 SGR 351.1 SG3 264.2
 RRT -.3031 RRF -.3217 RTF .9327
 SGB 5138.0 R23 .0397 R13 -.9327
 SG1 5127.1 SG2 334.5 THA 178.81

ORBIT DETERMINATION ACCURACY

ST 2626.4 SR 214.9 SS 866.3
 CRT .9821 CRS -.9353 CST -.9830
 LSA 2769.4 MSA 156.3 SSA 19.4
 EL1 2634.9 EL2 40.4 ALF 4.60

LAUNCH DATE DEC 6 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 491.171

RL 147.39 LAL .00 LOL 73.67 VL 26.969 GAL -.46 AZL 86.70 HCA 239.25 SMA 123.63 ECC .19240 INC 3.2951 V1 30.228
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.917 GAP 8.77 AZP 91.69 TAL 181.93 TAP 61.17 RCA 99.84 APO 147.41 V2 34.784
 RC 155.962 GL 25.14 GP 1.16 ZAL 89.64 ZAP 163.16 ETS 2.86 ZAE 129.76 ETE 179.17 ZAC 64.85 ETC 163.84 CLP-163.20

PLANETOCENTRIC CONIC

C3 13.315 VHL 3.649 DLA 16.91 RAL 335.48 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 5.888 DPA -13.53 RAP 332.57 ECC 1.2191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 1 2677.18 -27.46 72.92 195.78 97.22 3 12 38 2077.2 -26.17 64.49
 90.00 19 0 5 4210.08 .36 172.54 190.51 61.69 20 10 15 3610.1 -3.42 165.91
 100.00 3 59 0 2383.74 -28.67 51.14 195.59 98.84 4 38 44 1783.7 -27.15 42.67
 100.00 20 11 46 3978.75 1.44 154.94 189.91 60.14 21 18 5 3378.8 -2.55 148.42
 110.00 5 28 32 2103.61 -31.81 29.15 194.88 103.22 6 3 36 1503.6 -29.67 20.60
 110.00 20 58 44 3831.65 4.16 142.09 188.22 56.04 22 2 35 3231.6 -.33 135.88

DIFFERENTIAL CORRECTIONS

TOE 1.7337 TRA .1071 TC3-6.0629 BAU 1.0809
 RDE .1435 RRA -.0827 RC3 .3362 FAU .04531
 FDE 1.0654 FRA .6748 FC3-2.9461 BSP 16568
 BDE 1.7396 BRA .1353 BC3 6.0722 FSP -854

MID-COURSE EXECUTION ACCURACY

SGT 5197.9 SGR 359.8 SG3 254.1
 RRT -.2652 RRF -.2844 RTF .9330
 SGB 5210.4 R23 .0372 R13 -.9331
 SG1 5198.8 SG2 346.8 THA 178.94

ORBIT DETERMINATION ACCURACY

ST 2726.0 SR 229.1 SS 868.3
 CRT .9772 CRS -.9282 CST -.9844
 LSA 2865.9 MSA 153.4 SSA 19.8
 EL1 2735.2 EL2 48.5 ALF 4.70

LAUNCH DATE DEC 6 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 496.933

RL 147.39 LAL .00 LOL 73.67 VL 26.925 GAL -.07 AZL 86.69 HCA 242.41 SMA 123.36 ECC .19485 INC 3.3067 V1 30.228
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.886 GAP 9.03 AZP 91.53 TAL 180.30 TAP 62.71 RCA 99.32 APO 147.39 V2 34.785
 RC 158.168 GL 24.86 GP 1.10 ZAL 86.83 ZAP 164.17 ETS 3.02 ZAE 129.63 ETE 179.19 ZAC 66.95 ETC 164.14 CLP-164.21

PLANETOCENTRIC CONIC

C3 13.651 VHL 3.695 DLA 17.79 RAL 338.29 RAD 6567.5 VEL 11.621 PTH 2.04 VHP 6.041 DPA -12.86 RAP 334.67 ECC 1.2247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 29 2715.89 -27.76 75.71 199.36 95.85 3 15 45 2115.9 -26.66 67.22
 90.00 19 20 2 4182.23 -.54 170.99 193.84 61.69 20 29 44 3582.2 -4.32 164.35
 100.00 4 2 16 2419.92 -29.02 53.77 199.19 97.50 4 42 36 1819.9 -27.68 45.22
 100.00 20 30 56 3953.44 .58 153.55 193.22 60.11 21 36 49 3353.4 -3.40 147.03
 110.00 5 33 24 2134.82 -32.28 31.47 198.54 101.92 6 8 58 1534.8 -30.30 22.81
 110.00 21 16 18 3811.30 3.38 141.02 191.47 55.96 22 19 49 3211.3 -1.11 134.82

DIFFERENTIAL CORRECTIONS

TOE 1.8162 TRA .2362 TC3-6.0261 BAU 1.1014
 RDE .1542 RRA -.0894 RC3 .3231 FAU .04326
 FDE 1.0512 FRA .6978 FC3-2.7436 BSP 16902
 BDE 1.8227 BRA .2525 BC3 6.0348 FSP -833

MID-COURSE EXECUTION ACCURACY

SGT 5282.9 SGR 368.0 SG3 245.3
 RRT -.2293 RRF -.2486 RTF .9372
 SGB 5295.7 R23 .0336 R13 -.9373
 SG1 5283.6 SG2 358.1 THA 179.08

ORBIT DETERMINATION ACCURACY

ST 2821.9 SR 243.2 SS 869.8
 CRT .9726 CRS -.9240 CST -.9863
 LSA 2959.2 MSA 148.0 SSA 20.0
 EL1 2831.8 EL2 56.3 ALF 4.79

LAUNCH DATE DEC 6 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 502.677

RL 147.39 LAL .00 LOL 73.67 VL 26.882 GAL -.33 AZL 86.68 HCA 245.57 SMA 123.09 ECC .19752 INC 3.3176 V1 30.228
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.856 GAP 9.30 AZP 91.37 TAL 178.67 TAP 64.24 RCA 98.78 APO 147.40 V2 34.787
 RC 160.359 GL 24.51 GP 1.04 ZAL 83.99 ZAP 165.15 ETS 3.19 ZAE 129.53 ETE 179.22 ZAC 69.07 ETC 164.43 CLP-165.19

PLANETOCENTRIC CONIC

C3 14.068 VHL 3.751 DLA 18.63 RAL 341.16 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 6.199 DPA -12.15 RAP 336.78 ECC 1.2315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 13 2755.32 -28.00 78.57 203.06 94.43 3 19 8 2155.3 -27.09 70.02
 90.00 19 40 9 4155.98 -1.38 169.53 197.31 61.71 20 49 25 3556.0 -5.15 162.88
 100.00 4 5 49 2456.69 -29.32 56.46 202.93 96.11 4 46 46 1856.7 -28.16 47.85
 100.00 20 50 14 3929.85 -.22 152.26 196.66 60.11 21 55 44 3329.8 -4.20 145.73
 110.00 5 38 34 2166.51 -32.70 33.85 202.35 100.57 6 14 41 1566.5 -30.90 25.09
 110.00 21 33 58 3792.79 2.67 140.06 194.85 55.91 22 37 11 3192.8 -1.82 133.85

DIFFERENTIAL CORRECTIONS

TOE 1.9051 TRA .4180 TC3-5.8843 BAU 1.1082
 RDE .1655 RRA -.0966 RC3 .3062 FAU .03986
 FDE 1.0385 FRA .7778 FC3-2.4527 BSP 16919
 BDE 1.9123 BRA .4290 BC3 5.8923 FSP -783

MID-COURSE EXECUTION ACCURACY

SGT 5329.9 SGR 375.4 SG3 236.2
 RRT -.1915 RRF -.2112 RTF .9322
 SGB 5343.1 R23 .0324 R13 -.9322
 SG1 5330.3 SG2 368.4 THA 179.22

ORBIT DETERMINATION ACCURACY

ST 2920.2 SR 257.2 SS 873.8
 CRT .9658 CRS -.9132 CST -.9866
 LSA 3055.2 MSA 151.9 SSA 20.1
 EL1 2930.8 EL2 66.4 ALF 4.86

LAUNCH DATE DEC 6 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 508.399
 RL 147.39 LAL .00 LOL 73.67 VL 26.839 GAL .74 AZL 86.67 MCA 248.73 SMA 122.83 ECC .20042 INC 3.3281 V1 30.228
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.827 GAP 9.58 AZP 91.21 TAL 177.03 TAP 65.76 RCA 98.21 APO 147.44 V2 34.789
 RC 162.536 GL 24.09 GP .99 ZAL 81.14 ZAP 166.11 ETS 3.39 ZAE 129.45 ETE 179.25 ZAC 71.22 ETC 164.70 CLP-166.15

PLANETOCENTRIC CONIC

C3 14.574 VHL 3.818 DLA 19.42 RAL 344.06 RAD 6567.6 VEL 11.660 PTH 2.05 VHP 6.364 DPA -11.41 RAP 338.90 ECC 1.2399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 36 13 2795.27 -28.17 81.48 206.89 92.98 3 22 48 2195.3 -27.46 72.89
 90.00 20 0 20 4131.69 -2.17 168.17 200.91 61.76 21 9 12 3531.7 -5.93 161.51
 100.00 4 9 41 2493.88 -29.56 59.20 206.79 94.69 4 51 15 1893.9 -28.59 50.53
 100.00 21 9 33 3908.31 -.95 151.08 200.24 60.12 22 14 42 3308.3 -4.92 144.54
 110.00 5 44 5 2198.52 -33.07 36.27 206.29 99.18 6 20 43 1598.5 -31.45 27.42
 110.00 21 51 38 3776.43 2.05 139.20 198.36 55.87 22 54 35 3176.4 -2.44 133.00

DIFFERENTIAL CORRECTIONS

TDE 1.9889 TRA .5829 TC3-5.7523 BAU 1.1222
 ROE .1777 RRA -.1025 RC3 .2884 FAU .03747
 FDE 1.0212 FRA .8187 FC3-2.2260 BSP 17198
 BDE 1.9968 BRA .5919 BC3 5.7595 FSP -763

MID-COURSE EXECUTION ACCURACY

SGT 5390.8 SGR 382.4 SG3 227.5
 RRT -.1564 RRF -.1768 RTF .9332
 SGB 5404.3 R23 .0305 R13 -.9332
 SG1 5391.1 SG2 377.7 THA 179.36

ORBIT DETERMINATION ACCURACY

ST 3000.8 SR 271.2 SS 870.2
 CRT .9603 CRS -.9070 CST -.9877
 LSA 3132.5 MSA 151.2 SSA 20.1
 EL1 3012.1 EL2 75.4 ALF 4.96

LAUNCH DATE DEC 6 1965

FLIGHT TIME 176.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 514.100
 RL 147.39 LAL .00 LOL 73.67 VL 26.796 GAL 1.18 AZL 86.66 MCA 251.89 SMA 122.56 ECC .20356 INC 3.3381 V1 30.228
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.799 GAP 9.87 AZP 91.04 TAL 175.38 TAP 67.27 RCA 97.62 APO 147.51 V2 34.792
 RC 164.699 GL 23.60 GP .94 ZAL 78.29 ZAP 167.05 ETS 3.62 ZAE 129.38 ETE 179.27 ZAC 73.38 ETC 164.96 CLP-167.08

PLANETOCENTRIC CONIC

C3 15.181 VHL 3.896 DLA 20.17 RAL 347.00 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 6.536 DPA -10.64 RAP 341.03 ECC 1.2498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 31 2835.52 -28.28 84.42 210.83 91.51 3 26 46 2235.5 -27.77 75.79
 90.00 20 20 28 4109.64 -2.88 166.94 204.63 61.82 21 28 57 3509.6 -6.62 160.26
 100.00 4 13 52 2531.28 -29.73 61.97 210.76 93.24 4 56 3 1931.3 -28.97 53.25
 100.00 21 28 48 3889.12 -1.60 150.02 203.93 60.15 22 33 37 3289.1 -5.56 143.48
 110.00 5 49 56 2230.70 -33.39 38.73 210.34 97.76 6 27 7 1630.7 -31.96 29.79
 110.00 22 9 12 3762.46 1.52 138.47 201.98 55.85 23 11 55 3162.5 -2.97 132.27

DIFFERENTIAL CORRECTIONS

TDE 2.0746 TRA .7608 TC3-5.5858 BAU 1.1350
 ROE .1908 RRA -.1078 RC3 .2689 FAU .03513
 FDE 1.0049 FRA .8611 FC3-2.0035 BSP 17413
 BDE 2.0833 BRA .7684 BC3 5.5922 FSP -736

MID-COURSE EXECUTION ACCURACY

SGT 5447.3 SGR 388.7 SG3 219.3
 RRT -.1216 RRF -.1422 RTF .9339
 SGB 5461.2 R23 .0284 R13 -.9340
 SG1 5447.5 SG2 385.8 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 3074.4 SR 285.1 SS 865.6
 CRT .9547 CRS -.9009 CST -.9886
 LSA 3202.9 MSA 151.6 SSA 19.9
 EL1 3086.4 EL2 84.5 ALF 5.06

LAUNCH DATE DEC 6 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 519.777
 RL 147.39 LAL .00 LOL 73.67 VL 26.754 GAL 1.63 AZL 86.65 MCA 255.06 SMA 122.31 ECC .20698 INC 3.3477 V1 30.228
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.771 GAP 10.18 AZP 90.86 TAL 173.72 TAP 68.78 RCA 96.99 APO 147.62 V2 34.796
 RC 166.847 GL 23.06 GP .90 ZAL 75.45 ZAP 167.96 ETS 3.88 ZAE 129.33 ETE 179.30 ZAC 75.57 ETC 165.20 CLP-167.99

PLANETOCENTRIC CONIC

C3 15.900 VHL 3.987 DLA 20.87 RAL 349.95 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 6.716 DPA -9.84 RAP 343.17 ECC 1.2617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 8 2875.87 -28.32 87.37 214.85 90.03 3 31 4 2275.9 -28.01 78.72
 90.00 20 40 23 4090.18 -3.50 165.85 208.46 61.88 21 48 33 3490.2 -7.23 159.16
 100.00 4 18 24 2568.69 -29.84 64.74 214.83 91.79 5 1 13 1968.7 -29.28 55.99
 100.00 21 47 48 3872.59 -2.16 149.12 207.72 60.18 22 52 21 3272.6 -6.12 142.56
 110.00 5 56 8 2262.90 -33.66 41.20 214.51 96.32 6 33 51 1662.9 -32.42 32.19
 110.00 22 26 33 3751.15 1.08 137.88 205.69 55.83 23 29 4 3151.1 -3.41 131.68

DIFFERENTIAL CORRECTIONS

TDE 2.1599 TRA .9491 TC3-5.3913 BAU 1.1472
 ROE .2048 RRA -.1122 RC3 .2481 FAU .03293
 FDE .9881 FRA .9015 FC3-1.7932 BSP 17652
 BDE 2.1696 BRA .9557 BC3 5.3970 FSP -716

MID-COURSE EXECUTION ACCURACY

SGT 5499.8 SGR 394.4 SG3 211.3
 RRT -.0873 RRF -.1082 RTF .9350
 SGB 5514.0 R23 .0263 R13 -.9350
 SG1 5500.0 SG2 392.9 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 3136.9 SR 298.8 SS 858.9
 CRT .9492 CRS -.8953 CST -.9895
 LSA 3262.4 MSA 152.6 SSA 19.6
 EL1 3149.7 EL2 93.7 ALF 5.17

LAUNCH DATE DEC 6 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 525.427
 RL 147.39 LAL .00 LOL 73.67 VL 26.712 GAL 2.11 AZL 86.64 MCA 258.22 SMA 122.05 ECC .21069 INC 3.3570 V1 30.228
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.745 GAP 10.49 AZP 90.69 TAL 172.06 TAP 70.28 RCA 96.34 APO 147.77 V2 34.800
 RC 168.980 GL 22.46 GP .86 ZAL 72.64 ZAP 168.86 ETS 4.18 ZAE 129.29 ETE 179.33 ZAC 77.78 ETC 165.43 CLP-168.89

PLANETOCENTRIC CONIC

C3 16.745 VHL 4.092 DLA 21.50 RAL 352.91 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 6.905 DPA -9.01 RAP 345.31 ECC 1.2756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 7 2916.06 -28.28 90.31 218.96 88.56 3 35 43 2316.1 -28.18 81.65
 90.00 20 59 58 4073.62 -4.03 164.92 212.37 61.95 22 7 52 3473.6 -7.75 158.22
 100.00 4 23 18 2605.92 -29.89 67.51 218.98 90.33 5 6 44 2005.9 -29.52 58.73
 100.00 22 6 28 3859.00 -2.62 148.37 211.59 60.21 23 10 47 3259.0 -6.57 141.80
 110.00 6 2 41 2294.99 -33.88 43.68 218.77 94.87 6 40 56 1695.0 -32.83 34.60
 110.00 22 43 35 3742.70 .76 137.44 209.48 55.82 23 45 57 3142.7 -3.73 131.23

DIFFERENTIAL CORRECTIONS

TDE 2.2493 TRA 1.1537 TC3-5.1580 BAU 1.1558
 ROE .2198 RRA -.1158 RC3 .2264 FAU .03063
 FDE .9739 FRA .9448 FC3-1.5836 BSP 17768
 BDE 2.2600 BRA 1.1595 BC3 5.1630 FSP -688

MID-COURSE EXECUTION ACCURACY

SGT 5545.6 SGR 399.3 SG3 203.7
 RRT -.0522 RRF -.0726 RTF .9356
 SGB 5559.9 R23 .0235 R13 -.9356
 SG1 5545.6 SG2 398.7 THA 179.78

ORBIT DETERMINATION ACCURACY

ST 3194.7 SR 312.2 SS 852.7
 CRT .9437 CRS -.8899 CST -.9903
 LSA 3317.6 MSA 154.7 SSA 19.2
 EL1 3208.3 EL2 102.8 ALF 5.27

LAUNCH DATE DEC 6 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.670 GAL 2.60 AZL 86.63 HCA 261.39 SMA 121.80 ECC .21472 INC 3.3662 V1 30.228
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.719 GAP 10.82 AZP 90.50 TAL 170.39 TAP 71.78 RCA 95.65 APO 147.96 V2 34.805
 RC 171.096 GL 21.81 GP .83 ZAL 69.86 ZAP 169.74 ETS 4.51 ZAE 129.26 ETE 179.36 ZAC 79.99 ETC 165.63 CLP-169.77

PLANETOCENTRIC CONIC
 C3 17.732 VHL 4.211 DLA 22.08 RAL 355.85 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 7.103 DPA -8.17 RAP 347.45 ECC 1.2918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 30 2955.85 -28.18 93.22 223.13 87.11 3 40 46 2355.8 -28.28 84.55
 90.00 21 19 5 4060.30 -4.46 164.17 216.36 62.01 22 26 45 3460.3 -8.17 157.46
 100.00 4 28 36 2642.72 -29.87 70.25 223.20 88.89 5 12 39 2042.7 -29.71 61.45
 100.00 22 24 39 3848.65 -2.97 147.80 215.54 60.24 23 28 48 3248.6 -6.91 141.23
 110.00 6 9 35 2326.81 -34.03 46.15 223.10 93.41 6 48 22 1726.8 -33.19 37.02
 110.00 23 0 10 3737.33 .56 137.16 213.34 55.82 24 2 27 3137.3 -3.93 130.95

DIFFERENTIAL CORRECTIONS
 TOE 2.3350 TRA 1.3665 TC3-4.9124 BAU 1.1655 SGT 5588.9 SGR 403.5 SG3 196.4 ST 3236.1 SR 325.2 SS 843.5
 ROE .2359 RRA -.1184 RC3 .2044 FAU .02857 RRT -.0183 RRF -.0382 RTF .9367 CRT .9385 CRS -.8852 CST -.9910
 FDE .9581 FRA .9844 FC3-1.3952 BSP 17951 SGB 5603.5 R23 .0210 R13 -.9367 LSA 3356.2 MSA 157.1 SSA 18.8
 BOE 2.3469 BRA 1.3716 BC3 4.9167 FSP -665 SG1 5588.9 SG2 403.5 THA 179.92 EL1 3250.4 EL2 111.8 ALF 5.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.628 GAL 3.12 AZL 86.62 HCA 264.55 SMA 121.56 ECC .21909 INC 3.3752 V1 30.228
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.694 GAP 11.17 AZP 90.32 TAL 168.73 TAP 73.28 RCA 94.92 APO 148.19 V2 34.811
 RC 173.196 GL 21.12 GP .80 ZAL 67.12 ZAP 170.61 ETS 4.89 ZAE 129.24 ETE 179.39 ZAC 82.23 ETC 165.82 CLP-170.64

PLANETOCENTRIC CONIC
 C3 18.878 VHL 4.345 DLA 22.59 RAL 358.77 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 7.312 DPA -7.30 RAP 349.60 ECC 1.3107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 18 2994.97 -28.01 96.06 227.35 85.69 3 46 13 2395.0 -28.32 87.41
 90.00 21 37 34 4050.49 -4.77 163.62 220.40 62.05 22 45 4 3450.5 -8.47 156.90
 100.00 4 34 20 2678.92 -29.80 72.94 227.47 87.48 5 18 59 2078.9 -29.83 64.13
 100.00 22 42 14 3841.77 -3.21 147.42 219.54 60.26 23 46 15 3241.8 -7.14 140.84
 110.00 6 16 50 2358.25 -34.13 48.60 227.50 91.97 6 56 8 1758.2 -33.48 39.42
 110.00 23 16 13 3735.21 .47 137.05 217.24 55.82 24 18 28 3135.2 -4.01 130.84

DIFFERENTIAL CORRECTIONS
 TOE 2.4202 TRA 1.5920 TC3-4.6468 BAU 1.1737 SGT 5626.8 SGR 407.0 SG3 189.4 ST 3265.9 SR 337.6 SS 833.0
 ROE .2530 RRA -.1198 RC3 .1824 FAU .02656 RRT .0157 RRF -.0037 RTF .9378 CRT .9335 CRS -.8807 CST -.9916
 FDE .9425 FRA 1.0240 FC3-1.2182 BSP 18134 SGB 5641.5 R23 -.0185 R13 .9378 LSA 3383.5 MSA 160.1 SSA 18.3
 BOE 2.4334 BRA 1.5965 BC3 4.6504 FSP -644 SG1 5626.8 SG2 407.0 THA .07 EL1 3281.1 EL2 120.5 ALF 5.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.587 GAL 3.67 AZL 86.62 HCA 267.72 SMA 121.31 ECC .22385 INC 3.3841 V1 30.228
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.671 GAP 11.53 AZP 90.13 TAL 167.07 TAP 74.79 RCA 94.16 APO 148.47 V2 34.817
 RC 175.278 GL 20.39 GP .77 ZAL 64.44 ZAP 171.47 ETS 5.34 ZAE 129.23 ETE 179.43 ZAC 84.47 ETC 165.99 CLP-171.50

PLANETOCENTRIC CONIC
 C3 20.205 VHL 4.495 DLA 23.03 RAL 1.65 RAD 6567.8 VEL 11.899 PTH 2.11 VHP 7.534 DPA -6.41 RAP 351.74 ECC 1.3325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 35 3033.18 -27.79 98.84 231.60 84.32 3 52 8 2433.2 -28.28 90.21
 90.00 21 55 17 4044.48 -4.96 163.29 224.48 62.09 23 2 41 3444.5 -8.66 156.56
 100.00 4 40 28 2714.32 -29.66 75.56 231.78 86.11 5 25 43 2114.3 -29.89 66.76
 100.00 22 59 4 3838.57 -3.31 147.25 223.57 60.27 24 3 3 3238.6 -7.25 140.67
 110.00 6 24 24 2389.20 -34.18 51.02 231.94 90.54 7 4 13 1789.2 -33.73 41.81
 110.00 23 31 39 3736.45 .52 137.12 221.18 55.82 24 33 55 3136.4 -3.97 130.91

DIFFERENTIAL CORRECTIONS
 TOE 2.5054 TRA 1.8313 TC3-4.3663 BAU 1.1802 SGT 5660.4 SGR 409.9 SG3 182.6 ST 3285.1 SR 349.3 SS 821.5
 ROE .2712 RRA -.1199 RC3 .1608 FAU .02464 RRT .0497 RRF .0309 RTF .9392 CRT .9286 CRS -.8766 CST -.9923
 FDE .9272 FRA 1.0633 FC3-1.0556 BSP 18292 SGB 5675.3 R23 -.0161 R13 .9392 LSA 3400.3 MSA 163.5 SSA 17.7
 BOE 2.5201 BRA 1.8352 BC3 4.3692 FSP -623 SG1 5660.5 SG2 409.4 THA .21 EL1 3301.1 EL2 129.0 ALF 5.65

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.546 GAL 4.24 AZL 86.61 HCA 270.89 SMA 121.07 ECC .22903 INC 3.3929 V1 30.228
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.648 GAP 11.92 AZP 89.95 TAL 165.41 TAP 76.30 RCA 93.34 APO 148.80 V2 34.824
 RC 177.341 GL 19.64 GP .74 ZAL 61.83 ZAP 172.32 ETS 5.87 ZAE 129.22 ETE 179.46 ZAC 86.72 ETC 166.14 CLP-172.35

PLANETOCENTRIC CONIC
 C3 21.737 VHL 4.662 DLA 23.42 RAL 4.48 RAD 6567.9 VEL 11.963 PTH 2.13 VHP 7.769 DPA -5.51 RAP 353.89 ECC 1.3577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 21 3070.26 -27.51 101.51 235.88 83.00 3 58 31 2470.3 -28.19 92.92
 90.00 22 12 6 4042.49 -5.03 163.17 228.58 62.10 23 19 29 3442.5 -8.72 156.44
 100.00 4 47 4 2748.76 -29.47 78.10 236.12 84.78 5 32 52 2148.8 -29.89 69.32
 100.00 23 15 5 3839.22 -3.29 147.28 227.62 60.27 24 19 4 3239.2 -7.23 140.70
 110.00 6 32 16 2419.62 -34.17 53.40 236.42 89.13 7 12 36 1819.6 -33.92 44.16
 110.00 23 46 22 3741.12 .70 137.36 225.13 55.82 24 48 43 3141.1 -3.79 131.15

DIFFERENTIAL CORRECTIONS
 TOE 2.5932 TRA 2.0882 TC3-4.0698 BAU 1.1834 SGT 5690.2 SGR 412.0 SG3 176.2 ST 3297.4 SR 360.1 SS 811.0
 ROE .2905 RRA -.1187 RC3 .1400 FAU .02270 RRT .0843 RRF .0665 RTF .9405 CRT .9238 CRS -.8728 CST -.9929
 FDE .9143 FRA 1.1044 FC3 -.9041 BSP 18355 SGB 5705.1 R23 -.0133 R13 .9405 LSA 3410.6 MSA 167.2 SSA 17.1
 BOE 2.6094 BRA 2.0916 BC3 4.0722 FSP -599 SG1 5690.3 SG2 410.5 THA .35 EL1 3314.2 EL2 137.2 ALF 5.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 6 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 553.173

RL 147.39 LAL .00 LOL 73.67 VL 26.506 GAL 4.84 AZL 86.60 HCA 274.05 SMA 120.84 ECC .23467 INC 3.4018 V1 30.228
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.626 GAP 12.33 AZP 89.76 TAL 163.76 TAP 77.82 RCA 92.48 APO 149.19 V2 34.832
 RC 179.385 GL 18.86 GP .72 ZAL 59.28 ZAP 173.16 ETS 6.50 ZAE 129.21 ETE 179.50 ZAC 88.98 ETC 166.26 CLP-173.20

PLANETOCENTRIC CONIC

C3 23.504 VML 4.848 DLA 23.73 RAL 7.25 RAD 6568.0 VEL 12.037 PTH 2.15 VHP 8.019 DPA -4.60 RAP 356.03 ECC 1.3868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 38 3105.99 -27.19 104.08 240.17 81.75 4 5 24 2506.0 -28.05 95.52
 90.00 22 27 56 4044.72 -4.95 163.30 232.68 62.08 23 35 20 3444.7 -8.65 156.57
 100.00 4 54 5 2782.10 -29.24 80.55 240.47 83.51 5 40 27 2182.1 -29.83 71.80
 100.00 23 30 10 3843.83 -3.14 147.54 231.67 60.26 24 34 13 3243.8 -7.07 140.96
 110.00 6 40 25 2449.42 -34.12 55.72 240.91 87.75 7 21 15 1849.4 -34.05 46.48
 110.00 0 4 15 3749.28 1.01 137.78 229.09 55.83 1 6 44 3149.3 -3.48 131.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.6766 TRA 2.3562 TC3-3.7749 BAU 1.1868 SGT 5714.6 SGR 413.4 SG3 170.0 ST 3294.1 SR 369.9 SS 798.4
 ROE .3107 RRA -.1161 RC3 .1202 FAU .02092 RRT .1182 RRF .1011 RTF .9421 CRT .9192 CR5 -.8692 CST -.9934
 FOE .8999 FRA 1.1437 FC3 -.7707 BSP 18499 SGB 5729.5 R23 -.0109 R13 .9421 LSA 3405.3 MSA 171.0 SSA 16.6
 BOE 2.6946 BRA 2.3591 BC3 3.7768 FSP -580 SG1 5714.8 SG2 410.4 THA .49 EL1 3311.7 EL2 145.0 ALF 5.90

LAUNCH DATE DEC 6 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 558.587

RL 147.39 LAL .00 LOL 73.67 VL 26.466 GAL 5.48 AZL 86.59 HCA 277.23 SMA 120.61 ECC .24081 INC 3.4108 V1 30.228
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.605 GAP 12.77 AZP 89.57 TAL 162.12 TAP 79.35 RCA 91.56 APO 149.65 V2 34.840
 RC 181.409 GL 18.07 GP .70 ZAL 56.82 ZAP 174.00 ETS 7.29 ZAE 129.21 ETE 179.53 ZAC 91.24 ETC 166.37 CLP-174.04

PLANETOCENTRIC CONIC

C3 25.539 VML 5.054 DLA 23.99 RAL 9.95 RAD 6568.0 VEL 12.121 PTH 2.17 VHP 8.286 DPA -3.67 RAP 358.17 ECC 1.4203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 27 3140.21 -26.83 106.52 244.47 80.58 4 12 47 2540.2 -27.86 98.01
 90.00 22 42 39 4051.29 -4.74 163.67 236.76 62.05 23 50 10 3451.3 -8.45 156.95
 100.00 5 1 33 2814.27 -28.97 82.91 244.83 82.30 5 48 27 2214.3 -29.74 74.18
 100.00 23 44 14 3852.47 -2.84 148.01 235.72 60.23 24 48 27 3252.5 -6.79 141.44
 110.00 6 48 50 2478.60 -34.02 58.00 245.42 86.41 7 30 9 1878.6 -34.14 48.75
 110.00 0 17 22 3760.90 1.46 138.39 233.03 55.84 1 20 3 3160.9 -3.03 132.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.7601 TRA 2.6403 TC3-3.4780 BAU 1.1880 SGT 5734.5 SGR 414.0 SG3 163.9 ST 3281.7 SR 378.6 SS 785.6
 ROE .3319 RRA -.1118 RC3 .1018 FAU .01921 RRT .1522 RRF .1357 RTF .9439 CRT .9146 CR5 -.8658 CST -.9940
 FOE .8863 FRA 1.1837 FC3 -.6513 BSP 18632 SGB 5749.5 R23 -.0088 R13 .9439 LSA 3391.1 MSA 174.9 SSA 16.0
 BOE 2.7800 BRA 2.6427 BC3 3.4795 FSP -562 SG1 5734.9 SG2 409.2 THA .63 EL1 3300.0 EL2 152.3 ALF 6.04

LAUNCH DATE DEC 6 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 563.942

RL 147.39 LAL .00 LOL 73.67 VL 26.427 GAL 6.15 AZL 86.58 HCA 280.40 SMA 120.38 ECC .24752 INC 3.4199 V1 30.228
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.585 GAP 13.23 AZP 89.38 TAL 160.50 TAP 80.89 RCA 90.58 APO 150.17 V2 34.849
 RC 183.413 GL 17.27 GP .68 ZAL 54.43 ZAP 174.84 ETS 8.31 ZAE 129.20 ETE 179.57 ZAC 93.50 ETC 166.46 CLP-174.89

PLANETOCENTRIC CONIC

C3 27.883 VML 5.280 DLA 24.18 RAL 12.57 RAD 6568.1 VEL 12.217 PTH 2.20 VHP 8.572 DPA -2.73 RAP .31 ECC 1.4589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 48 3172.80 -26.44 108.83 248.75 79.48 4 20 41 2572.8 -27.63 100.36
 90.00 22 56 12 4062.27 -4.39 164.29 240.82 62.00 24 3 54 3462.3 -8.11 157.57
 100.00 5 9 25 2845.19 -28.67 85.15 249.18 81.15 5 56 50 2245.2 -29.60 76.47
 100.00 0 1 12 3865.12 -2.42 148.71 239.73 60.20 1 5 37 3265.1 -6.37 142.14
 110.00 6 57 28 2507.16 -33.87 60.21 249.92 85.11 7 39 15 1907.2 -34.18 50.98
 110.00 0 29 39 3775.92 2.03 139.17 236.96 55.87 1 32 35 3175.9 -2.46 132.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8438 TRA 2.9418 TC3-3.1823 BAU 1.1867 SGT 5749.8 SGR 414.0 SG3 158.2 ST 3260.9 SR 386.0 SS 773.2
 ROE .3540 RRA -.1058 RC3 .0849 FAU .01756 RRT .1864 RRF .1705 RTF .9459 CRT .9100 CR5 -.8626 CST -.9945
 FOE .8736 FRA 1.2245 FC3 -.5451 BSP 18738 SGB 5764.7 R23 -.0068 R13 .9459 LSA 3368.7 MSA 178.7 SSA 15.4
 BOE 2.8657 BRA 2.9437 BC3 3.1834 FSP -543 SG1 5750.3 SG2 406.7 THA .77 EL1 3279.8 EL2 159.1 ALF 6.16

LAUNCH DATE DEC 6 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 569.228

RL 147.39 LAL .00 LOL 73.67 VL 26.388 GAL 6.87 AZL 86.57 HCA 283.57 SMA 120.15 ECC .25485 INC 3.4292 V1 30.228
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.565 GAP 13.74 AZP 89.19 TAL 158.89 TAP 82.46 RCA 89.53 APO 150.78 V2 34.858
 RC 185.395 GL 16.46 GP .66 ZAL 52.14 ZAP 175.68 ETS 9.69 ZAE 129.19 ETE 179.61 ZAC 95.76 ETC 166.52 CLP-175.73

PLANETOCENTRIC CONIC

C3 30.584 VML 5.530 DLA 24.32 RAL 15.11 RAD 6568.2 VEL 12.327 PTH 2.22 VHP 8.880 DPA -1.79 RAP 2.44 ECC 1.5033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 41 3203.70 -26.04 111.00 253.03 78.47 4 29 4 2603.7 -27.37 102.59
 90.00 23 8 32 4077.64 -3.90 165.15 244.84 61.93 24 16 30 3477.6 -7.63 158.45
 100.00 5 17 40 2874.85 -28.34 87.30 253.52 80.07 6 5 35 2274.9 -29.42 78.66
 100.00 0 13 9 3881.73 -1.85 149.62 243.71 60.16 1 17 51 3281.7 -5.81 143.07
 110.00 7 6 16 2535.10 -33.69 62.38 254.40 83.84 7 48 31 1935.1 -34.18 53.17
 110.00 0 41 3 3794.25 2.73 140.13 240.85 55.91 1 44 17 3194.2 -1.76 133.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9316 TRA 3.2654 TC3-2.8874 BAU 1.1809 SGT 5762.5 SGR 413.4 SG3 152.8 ST 3236.4 SR 392.0 SS 762.6
 ROE .3770 RRA -.0979 RC3 .0697 FAU .01589 RRT .2212 RRF .2060 RTF .9479 CRT .9055 CR5 -.8598 CST -.9950
 FOE .8636 FRA 1.2682 FC3 -.4499 BSP 18753 SGB 5777.3 R23 -.0048 R13 .9479 LSA 3343.1 MSA 182.2 SSA 14.8
 BOE 2.9557 BRA 3.2669 BC3 2.8882 FSP -522 SG1 5763.3 SG2 403.1 THA .91 EL1 3255.9 EL2 165.3 ALF 6.28

LAUNCH DATE DEC 6 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 574.432

RL 147.39 LAL .00 LOL 73.67 VL 26.349 GAL 7.63 AZL 86.56 HCA 286.75 SMA 119.93 ECC .26289 INC 3.4387 V1 30.228
 RP 108.68 LAP -3.29 LOP .44 VP 36.547 GAP 14.28 AZP 89.01 TAL 157.30 TAP 84.05 RCA 88.40 APO 151.46 V2 34.868
 RC 187.357 GL 15.65 GP .65 ZAL 49.94 ZAP 176.52 ETS 11.70 ZAE 129.17 ETE 179.65 ZAC 98.02 ETC 166.55 CLP-176.58

PLANETOCENTRIC CONIC

C3 33.702 VML 5.805 OLA 24.40 RAL 17.55 RAD 6568.3 VEL 12.453 PTH 2.25 VMP 9.212 DPA -.84 RAP 4.57 ECC 1.5546
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 2 3232.89 -25.63 113.04 257.28 77.52 4 37 55 2632.9 -27.09 104.68
 90.00 23 19 38 4097.32 -3.27 166.25 248.81 61.86 24 27 55 3497.3 -7.01 159.56
 100.00 5 26 16 2903.26 -27.99 89.34 257.83 79.05 6 14 40 2303.3 -29.21 80.75
 100.00 0 24 1 3902.18 -1.16 150.74 247.64 60.13 1 29 3 3302.2 -5.13 144.20
 110.00 7 15 12 2562.45 -33.47 64.48 258.86 82.61 7 57 55 1962.4 -34.13 55.30
 110.00 0 51 34 3815.76 3.55 141.26 244.70 55.98 1 55 10 3215.8 -.94 135.05

DIFFERENTIAL CORRECTIONS

TDE 3.0164 TRA 3.6051 TC3-2.6053 BAU 1.1741
 RDE .4007 RRA -.0881 RC3 .0561 FAU .01436
 FDE .8531 FRA 1.3115 FC3 -.3689 BSP 18847
 BDE 3.0429 BRA 3.6062 BC3 2.6059 FSP -505

MID-COURSE EXECUTION ACCURACY

SGT 5768.8 SGR 412.0 SG3 147.5
 RRT .2554 RRF .2408 RTF .9503
 SGB 5783.5 R23 -.0032 R13 .9503
 SG1 5769.7 SG2 398.3 THA 1.05

ORBIT DETERMINATION ACCURACY

ST 3200.8 SR 396.5 SS 751.2
 CRT .9011 CRS -.8570 CST -.9955
 LSA 3306.4 MSA 185.5 SSA 14.3
 EL1 3220.7 EL2 170.9 ALF 6.39

LAUNCH DATE DEC 6 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 579.541

RL 147.39 LAL .00 LOL 73.67 VL 26.311 GAL 8.44 AZL 86.55 HCA 289.92 SMA 119.72 ECC .27170 INC 3.4485 V1 30.228
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.529 GAP 14.87 AZP 88.82 TAL 155.75 TAP 85.67 RCA 87.19 APO 152.24 V2 34.878
 RC 189.297 GL 14.85 GP .63 ZAL 47.83 ZAP 177.36 ETS 14.97 ZAE 129.14 ETE 179.69 ZAC 100.27 ETC 166.57 CLP-177.43

PLANETOCENTRIC CONIC

C3 37.305 VML 6.108 OLA 24.44 RAL 19.88 RAD 6568.5 VEL 12.597 PTH 2.28 VMP 9.572 DPA .10 RAP 6.69 ECC 1.6140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 52 50 3260.39 -25.21 114.95 261.51 76.66 4 47 11 2660.4 -26.80 106.64
 90.00 23 29 30 4121.14 -2.51 167.58 252.71 61.78 24 38 11 3521.1 -6.26 160.91
 100.00 5 35 10 2930.46 -27.62 91.27 262.11 78.09 6 24 0 2330.5 -28.98 82.74
 100.00 0 33 47 3926.30 -.34 152.06 251.51 60.11 1 39 13 3326.3 -4.32 145.53
 110.00 7 24 14 2589.23 -33.22 66.53 263.28 81.42 8 7 23 1989.2 -34.05 57.39
 110.00 1 1 12 3840.29 4.48 142.54 248.50 56.08 2 5 13 3240.3 -.00 136.33

DIFFERENTIAL CORRECTIONS

TDE 3.1034 TRA 3.9670 TC3-2.3328 BAU 1.1637
 RDE .4251 RRA -.0762 RC3 .0443 FAU .01287
 FDE .8440 FRA 1.3569 FC3 -.2988 BSP 18925
 BDE 3.1324 BRA 3.9678 BC3 2.3332 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 5770.9 SGR 410.0 SG3 142.4
 RRT .2898 RRF .2756 RTF .9528
 SGB 5785.5 R23 -.0019 R13 .9528
 SG1 5772.1 SG2 392.3 THA 1.19

ORBIT DETERMINATION ACCURACY

ST 3160.1 SR 399.4 SS 741.1
 CRT .8966 CRS -.8544 CST -.9960
 LSA 3264.9 MSA 188.3 SSA 13.7
 EL1 3180.4 EL2 175.7 ALF 6.49

LAUNCH DATE DEC 6 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 584.538

RL 147.39 LAL .00 LOL 73.67 VL 26.274 GAL 9.31 AZL 86.54 HCA 293.10 SMA 119.51 ECC .28139 INC 3.4588 V1 30.228
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.513 GAP 15.51 AZP 88.64 TAL 154.22 TAP 87.33 RCA 85.88 APO 153.13 V2 34.889
 RC 191.216 GL 14.06 GP .62 ZAL 45.82 ZAP 178.19 ETS 21.28 ZAE 129.10 ETE 179.73 ZAC 102.51 ETC 166.56 CLP-178.30

PLANETOCENTRIC CONIC

C3 41.482 VML 6.441 OLA 24.42 RAL 22.12 RAD 6568.6 VEL 12.761 PTH 2.32 VMP 9.963 DPA 1.05 RAP 8.80 ECC 1.6827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 1 3286.27 -24.79 116.73 265.70 75.86 4 56 48 2686.3 -26.49 108.47
 90.00 23 38 9 4148.87 -1.61 169.13 256.54 61.73 24 47 18 3548.9 -5.38 162.48
 100.00 5 44 18 2956.49 -27.24 93.12 266.35 77.20 6 33 35 2356.5 -28.73 84.63
 100.00 0 42 29 3953.88 -.59 153.58 255.32 60.11 1 48 23 3353.9 -3.39 147.05
 110.00 7 33 18 2615.47 -32.93 68.53 267.66 80.28 8 16 54 2015.5 -33.92 59.43
 110.00 1 9 58 3867.66 5.52 143.98 252.26 56.21 2 14 26 3267.7 1.05 137.76

DIFFERENTIAL CORRECTIONS

TDE 3.1936 TRA 4.3534 TC3-2.0712 BAU 1.1488
 RDE .4501 RRA -.0620 RC3 .0342 FAU .01142
 FDE .8367 FRA 1.4050 FC3 -.2384 BSP 18981
 BDE 3.2252 BRA 4.3538 BC3 2.0715 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 5768.8 SGR 407.3 SG3 137.5
 RRT .3244 RRF .3105 RTF .9555
 SGB 5783.1 R23 -.0009 R13 .9555
 SG1 5770.3 SG2 385.2 THA 1.32

ORBIT DETERMINATION ACCURACY

ST 3115.4 SR 400.8 SS 732.3
 CRT .8923 CRS -.8520 CST -.9964
 LSA 3219.6 MSA 190.6 SSA 13.2
 EL1 3135.9 EL2 179.7 ALF 6.57

LAUNCH DATE DEC 6 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 589.403

RL 147.39 LAL .00 LOL 73.67 VL 26.237 GAL 10.24 AZL 86.53 HCA 296.28 SMA 119.30 ECC .29208 INC 3.4696 V1 30.228
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.497 GAP 16.20 AZP 88.46 TAL 152.74 TAP 89.03 RCA 84.45 APO 154.14 V2 34.900
 RC 193.113 GL 13.27 GP .61 ZAL 43.91 ZAP 178.99 ETS 38.06 ZAE 129.04 ETE 179.76 ZAC 104.73 ETC 166.52 CLP-179.19

PLANETOCENTRIC CONIC

C3 46.339 VML 6.807 OLA 24.36 RAL 24.25 RAD 6568.7 VEL 12.950 PTH 2.36 VMP 10.390 DPA 1.98 RAP 10.89 ECC 1.7626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 31 3310.62 -24.38 118.39 269.85 75.13 5 6 42 2710.6 -26.18 110.19
 90.00 23 45 37 4180.25 -.60 170.88 260.30 61.69 24 55 18 3580.2 -4.38 164.24
 100.00 5 53 37 2981.42 -26.86 94.87 270.55 76.35 6 43 19 2381.4 -28.47 86.44
 100.00 0 50 8 3984.68 1.64 155.27 259.06 60.15 1 56 33 3384.7 -2.35 148.75
 110.00 7 42 22 2641.18 -32.62 70.47 271.99 79.17 8 26 24 2041.2 -33.77 61.42
 110.00 1 17 52 3897.68 6.66 145.57 255.95 56.39 2 22 50 3297.7 2.19 139.32

DIFFERENTIAL CORRECTIONS

TDE 3.2911 TRA 4.7703 TC3-1.8195 BAU 1.1273
 RDE .4757 RRA -.0454 RC3 .0258 FAU .00994
 FDE .8324 FRA 1.4575 FC3 -.1858 BSP 18938
 BDE 3.3253 BRA 4.7705 BC3 1.8197 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 5765.0 SGR 404.1 SG3 133.0
 RRT .3595 RRF .3461 RTF .9584
 SGB 5779.1 R23 -.0001 R13 .9584
 SG1 5766.8 SG2 377.0 THA 1.45

ORBIT DETERMINATION ACCURACY

ST 3070.3 SR 400.6 SS 726.0
 CRT .8882 CRS -.8501 CST -.9969
 LSA 3174.5 MSA 192.2 SSA 12.7
 EL1 3091.0 EL2 182.9 ALF 6.63

LAUNCH DATE DEC 6 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.201 GAL 11.25 AZL 86.52 MCA 299.47 SMA 119.10 ECC .30389 INC 3.4810 V1 30.228
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.482 GAP 16.97 AZP 88.29 TAL 151.31 TAP 90.78 RCA 82.90 APO 155.29 V2 34.912
 RC 194.989 GL 12.50 GP .59 ZAL 42.10 ZAP 179.40 ETS 100.25 ZAE 128.95 ETE 179.80 ZAC 106.94 ETC 166.45 CLP 179.91

DISTANCE 594.107

PLANETOCENTRIC CONIC
 C3 52.006 VHL 7.212 DLA 24.25 RAL 26.26 RAD 6568.9 VEL 13.167 PTH 2.40 VHP 10.858 DPA 2.92 RAP 12.98 ECC 1.8559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 21 16 3333.51 -23.97 119.94 273.94 74.45 5 16 49 2733.5 -25.87 111.79
 90.00 23 51 58 4214.96 .52 172.81 263.97 61.69 25 2 12 3615.0 -3.27 166.18
 100.00 6 3 4 3005.26 -26.46 96.53 274.68 75.56 6 53 9 2405.3 -28.18 88.15
 100.00 0 56 46 4018.44 2.78 157.12 262.71 60.23 2 3 44 3418.4 -1.20 150.60
 110.00 7 51 24 2666.34 -32.28 72.35 276.24 78.10 8 35 50 2066.3 -33.58 63.36
 110.00 1 24 56 3930.13 7.87 147.29 259.57 56.63 2 30 26 3330.1 3.43 141.02

MID-COURSE EXECUTION ACCURACY
 SGT 5759.8 SGR 400.3 SG3 128.5 ST 3019.9 SR 398.7 SS 720.4
 RRT .3941 RRF .3816 RTF .9616 CRT .8839 CRS -.8484 CST -.9973
 SGB 5773.7 R23 .0011 R13 .9616 LSA 3124.1 MSA 193.1 SSA 12.1
 SGI 5762.0 SG2 367.7 THA 1.58 EL1 3040.5 EL2 185.2 ALF 6.68

ORBIT DETERMINATION ACCURACY
 TOE 3.3895 TRA 5.2208 TC3-1.5848 BAU 1.1020
 ROE .5018 RRA -.0259 RC3 .0189 FAU .00856
 FDE .8286 FRA 1.5120 FC3 -.1424 BSP 19006
 BOE 3.4265 BRA 5.2209 BC3 1.5850 FSP -440

LAUNCH DATE DEC 6 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.166 GAL 12.34 AZL 86.51 MCA 302.65 SMA 118.90 ECC .31699 INC 3.4932 V1 30.228
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.469 GAP 17.81 AZP 88.11 TAL 149.94 TAP 92.59 RCA 81.21 APO 156.59 V2 34.924
 RC 196.842 GL 11.73 GP .58 ZAL 40.40 ZAP 178.82 ETS 151.92 ZAE 128.84 ETE 179.84 ZAC 109.12 ETC 166.36 CLP 178.98

DISTANCE 598.620

PLANETOCENTRIC CONIC
 C3 58.649 VHL 7.658 DLA 24.11 RAL 28.16 RAD 6569.1 VEL 13.417 PTH 2.45 VHP 11.373 DPA 3.83 RAP 15.04 ECC 1.9652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 31 10 3355.03 -23.57 121.39 277.96 73.83 5 27 5 2755.0 -25.56 113.29
 90.00 0 1 8 4252.68 1.74 174.92 267.55 61.73 1 12 1 3652.7 -2.05 168.29
 100.00 6 12 35 3028.06 -26.06 98.11 278.73 74.82 7 3 3 2428.1 -27.89 89.78
 100.00 1 2 25 4054.89 4.01 159.13 266.29 60.35 2 9 59 3454.9 .03 152.60
 110.00 8 0 20 2690.93 -31.92 74.18 280.41 77.07 8 45 11 2090.9 -33.37 65.25
 110.00 1 31 8 3964.79 9.17 149.14 263.13 56.92 2 37 13 3364.8 4.75 142.84

MID-COURSE EXECUTION ACCURACY
 SGT 5738.6 SGR 395.8 SG3 124.2 ST 2965.6 SR 395.3 SS 716.9
 RRT .4289 RRF .4161 RTF .9646 CRT .8803 CRS -.8469 CST -.9977
 SGB 5752.3 R23 .0008 R13 .9646 LSA 3070.5 MSA 193.2 SSA 11.6
 SGI 5741.2 SG2 357.4 THA 1.70 EL1 2986.1 EL2 186.3 ALF 6.72

ORBIT DETERMINATION ACCURACY
 TOE 3.4945 TRA 5.6873 TC3-1.3642 BAU 1.0697
 ROE .5284 RRA -.0043 RC3 .0134 FAU .00717
 FDE .8272 FRA 1.5710 FC3 -.1059 BSP 19032
 BOE 3.5342 BRA 5.6873 BC3 1.3643 FSP -426

LAUNCH DATE DEC 6 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.132 GAL 13.53 AZL 86.49 MCA 305.84 SMA 118.71 ECC .33155 INC 3.5062 V1 30.228
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.456 GAP 18.74 AZP 87.95 TAL 148.64 TAP 94.48 RCA 79.35 APO 158.07 V2 34.936
 RC 198.673 GL 10.99 GP .57 ZAL 38.81 ZAP 177.94 ETS 165.64 ZAE 128.70 ETE 179.88 ZAC 111.27 ETC 166.23 CLP 178.02

DISTANCE 602.898

PLANETOCENTRIC CONIC
 C3 66.477 VHL 8.153 DLA 23.93 RAL 29.94 RAD 6569.3 VEL 13.705 PTH 2.50 VHP 11.943 DPA 4.74 RAP 17.08 ECC 2.0940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 9 3375.21 -23.18 122.74 281.90 73.26 5 37 24 2775.2 -25.25 114.69
 90.00 0 5 20 4293.09 3.04 177.18 271.02 61.83 1 16 53 3693.1 -.75 170.55
 100.00 6 22 5 3049.78 -25.67 99.60 282.70 74.13 7 12 55 2449.8 -27.60 91.33
 100.00 1 7 5 4093.75 5.31 161.27 269.77 60.54 2 15 19 3493.7 1.35 154.73
 110.00 8 9 8 2714.85 -31.55 75.94 284.48 76.09 8 54 23 2114.9 -33.13 67.08
 110.00 1 36 31 4001.44 10.52 151.11 266.60 57.29 2 43 13 3401.4 6.14 144.77

MID-COURSE EXECUTION ACCURACY
 SGT 5719.8 SGR 390.9 SG3 120.2 ST 2911.8 SR 390.3 SS 715.9
 RRT .4636 RRF .4512 RTF .9679 CRT .8768 CRS -.8458 CST -.9980
 SGB 5733.1 R23 .0009 R13 .9679 LSA 3017.6 MSA 192.4 SSA 11.1
 SGI 5722.7 SG2 346.2 THA 1.82 EL1 2931.9 EL2 186.4 ALF 6.73

ORBIT DETERMINATION ACCURACY
 TOE 3.6085 TRA 6.2004 TC3-1.1576 BAU 1.0289
 ROE .5554 RRA .0206 RC3 .0093 FAU .00576
 FDE .8286 FRA 1.6355 FC3 -.0751 BSP 19048
 BOE 3.6509 BRA 6.2004 BC3 1.1577 FSP -412

LAUNCH DATE DEC 6 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC
 RL 147.39 LAL .00 LOL 73.67 VL 26.099 GAL 14.83 AZL 86.48 MCA 309.03 SMA 118.53 ECC .34780 INC 3.5204 V1 30.228
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.444 GAP 19.78 AZP 87.78 TAL 147.43 TAP 96.46 RCA 77.30 APO 159.75 V2 34.948
 RC 200.481 GL 10.25 GP .56 ZAL 37.33 ZAP 176.96 ETS 171.18 ZAE 128.52 ETE 179.92 ZAC 113.37 ETC 166.08 CLP 177.01

DISTANCE 606.890

PLANETOCENTRIC CONIC
 C3 75.754 VHL 8.704 DLA 23.70 RAL 31.59 RAD 6569.5 VEL 14.039 PTH 2.56 VHP 12.578 DPA 5.62 RAP 19.09 ECC 2.2467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 10 3394.03 -22.80 124.00 285.74 72.74 5 47 44 2794.0 -24.95 115.98
 90.00 0 8 31 4335.83 4.41 179.57 274.39 62.00 1 20 46 3735.8 .63 172.93
 100.00 6 31 33 3070.38 -25.28 101.01 286.56 73.49 7 22 43 2470.4 -27.30 92.79
 100.00 1 10 49 4134.72 6.68 163.55 273.15 60.80 2 19 43 3534.7 2.74 156.98
 110.00 8 17 47 2738.02 -31.15 77.63 288.43 75.16 9 3 25 2138.0 -32.87 68.83
 110.00 1 41 4 4039.84 11.93 153.20 269.99 57.73 2 48 24 3439.8 7.58 146.80

MID-COURSE EXECUTION ACCURACY
 SGT 5699.6 SGR 385.6 SG3 116.4 ST 2860.2 SR 384.0 SS 718.5
 RRT .4988 RRF .4868 RTF .9713 CRT .8738 CRS -.8455 CST -.9983
 SGB 5712.6 R23 .0008 R13 .9713 LSA 2967.8 MSA 190.6 SSA 10.6
 SGI 5702.9 SG2 334.0 THA 1.94 EL1 2879.9 EL2 185.4 ALF 6.72

ORBIT DETERMINATION ACCURACY
 TOE 3.7372 TRA 6.7600 TC3 -.9634 BAU .9757
 ROE .5830 RRA .0489 RC3 .0065 FAU .00427
 FDE .8341 FRA 1.7076 FC3 -.0488 BSP 18946
 BOE 3.7824 BRA 6.7602 BC3 .9634 FSP -396

LAUNCH DATE DEC 6 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 610.526

RL 147.39 LAL .00 LOL 73.67 VL 26.066 GAL 16.27 AZL 86.46 MCA 312.22 SMA 118.35 ECC .36601 INC 3.5359 V1 30.228
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.433 GAP 20.95 AZP 87.62 TAL 146.33 TAP 98.55 RCA 75.03 APO 161.66 V2 34.961
 RC 202.264 GL 9.53 GP .56 ZAL 35.98 ZAP 175.92 ETS 174.15 ZAE 128.28 ETE 179.96 ZAC 115.44 ETC 165.90 CLP 175.96

PLANETOCENTRIC CONIC

C3 86.822 VHL 9.318 DLA 23.44 RAL 33.11 RAD 6569.7 VEL 14.428 PTH 2.62 VHP 13.287 DPA 6.48 RAP 21.06 ECC 2.4289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 7 3411.43 -22.45 125.15 289.46 72.27 5 57 59 2811.4 -24.66 117.18
 90.00 0 10 41 4380.62 5.84 182.09 277.64 62.24 1 23 41 3780.6 2.07 175.43
 100.00 6 40 54 3089.73 -24.90 102.32 290.30 72.90 7 32 24 2489.7 -27.00 94.15
 100.00 1 13 35 4177.56 8.10 165.94 276.41 61.13 2 23 13 3577.6 4.18 159.34
 110.00 8 26 13 2760.26 -30.75 79.24 292.25 74.29 9 12 13 2160.3 -32.60 70.51
 110.00 1 44 46 4079.79 13.37 155.40 273.28 58.24 2 52 46 3479.8 9.07 148.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.8733 TRA 7.3623 TC3 -.7864 BAU .9128 SGT 5671.8 SGR 379.7 SG3 112.7 ST 2804.6 SR 376.1 SS 723.0
 ROE .6110 RRA .0805 RC3 .0047 FAU .00277 RRT .5332 RRF .5218 RTF .9746 CRT .8711 CRS -.8453 CST -.9986
 FDE .8415 FRA 1.7857 FC3 -.0276 BSP 18966 SGB 5684.5 R23 .0005 R13 .9746 LSA 2914.6 MSA 187.8 SSA 10.0
 BDE 3.9212 BRA 7.3627 BC3 .7864 FSP -384 SGI 5675.4 SG2 321.0 THA 2.05 EL1 2823.8 EL2 183.4 ALF 6.69

LAUNCH DATE DEC 6 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 613.717

RL 147.39 LAL .00 LOL 73.67 VL 26.035 GAL 17.85 AZL 86.45 MCA 315.42 SMA 118.18 ECC .38648 INC 3.5531 V1 30.228
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.423 GAP 22.26 AZP 87.47 TAL 145.36 TAP 100.77 RCA 72.50 APO 163.85 V2 34.974
 RC 204.023 GL 8.83 GP .55 ZAL 34.75 ZAP 174.82 ETS 176.02 ZAE 127.98 ETE 179.99 ZAC 117.44 ETC 165.70 CLP 174.85

PLANETOCENTRIC CONIC

C3 100.126 VHL 10.006 DLA 23.15 RAL 34.49 RAD 6569.9 VEL 14.882 PTH 2.69 VHP 14.085 DPA 7.31 RAP 22.98 ECC 2.6478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 58 3427.28 -22.11 126.19 293.04 71.85 6 8 6 2827.3 -24.39 118.26
 90.00 0 11 50 4427.15 7.30 184.72 280.76 62.57 1 25 37 3827.1 3.57 178.03
 100.00 6 50 6 3107.66 -24.53 103.53 293.89 72.36 7 41 54 2507.7 -26.71 95.40
 100.00 1 15 23 4222.00 9.55 168.44 279.55 61.54 2 25 45 3622.0 5.67 161.80
 110.00 8 34 23 2781.38 -30.36 80.76 295.90 73.47 9 20 45 2181.4 -32.32 72.09
 110.00 1 47 35 4121.04 14.84 157.69 276.46 58.85 2 56 16 3521.0 10.60 151.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.0267 TRA 8.0204 TC3 -.6231 BAU .8340 SGT 5640.6 SGR 373.3 SG3 109.3 ST 2750.0 SR 366.9 SS 731.2
 ROE .6396 RRA .1158 RC3 .0038 FAU .00114 RRT .5675 RRF .5567 RTF .9780 CRT .8691 CRS -.8458 CST -.9989
 FDE .8530 FRA 1.8733 FC3 -.0098 BSP 18950 SGB 5652.9 R23 .0000 R13 .9780 LSA 2863.2 MSA 184.1 SSA 9.5
 BDE 4.0772 BRA 8.0213 BC3 .6231 FSP -372 SGI 5644.6 SG2 307.2 THA 2.16 EL1 2768.5 EL2 180.3 ALF 6.64

LAUNCH DATE DEC 6 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 616.346

RL 147.39 LAL .00 LOL 73.67 VL 26.006 GAL 19.62 AZL 86.43 MCA 318.61 SMA 118.02 ECC .40959 INC 3.5724 V1 30.228
 RP 108.31 LAP -2.36 LOP 32.33 VP 36.415 GAP 23.74 AZP 87.32 TAL 144.54 TAP 103.15 RCA 69.68 APO 166.36 V2 34.987
 RC 205.757 GL 8.14 GP .54 ZAL 33.67 ZAP 173.64 ETS 177.31 ZAE 127.61 ETE 180.03 ZAC 119.37 ETC 165.47 CLP 173.66

PLANETOCENTRIC CONIC

C3 116.250 VHL 10.782 DLA 22.81 RAL 35.72 RAD 6570.2 VEL 15.414 PTH 2.75 VHP 14.988 DPA 8.10 RAP 24.85 ECC 2.9132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 39 3441.35 -21.81 127.11 296.44 71.48 6 18 0 2841.4 -24.14 119.21
 90.00 0 11 56 4475.16 8.80 187.46 283.72 62.98 1 26 31 3875.2 5.11 180.72
 100.00 6 59 5 3123.94 -24.19 104.62 297.30 71.88 7 51 9 2523.9 -26.44 96.54
 100.00 1 16 11 4267.81 11.02 171.04 282.54 62.04 2 27 18 3667.8 7.20 164.34
 110.00 8 42 17 2801.11 -29.97 82.16 299.37 72.72 9 28 58 2201.1 -32.03 73.56
 110.00 1 49 29 4163.40 16.31 160.09 279.50 59.54 2 58 52 3563.4 12.15 153.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.1998 TRA 8.7410 TC3 -.4737 BAU .7363 SGT 5605.0 SGR 366.6 SG3 106.0 ST 2695.7 SR 356.5 SS 743.6
 ROE .6689 RRA .1552 RC3 .0037 FAU-.00066 RRT .6015 RRF .5913 RTF .9812 CRT .8678 CRS -.8470 CST -.9991
 FDE .8693 FRA 1.9717 FC3 .0049 BSP 18921 SGB 5617.0 R23 -.0006 R13 .9812 LSA 2813.3 MSA 179.3 SSA 9.0
 BDE 4.2527 BRA 8.7424 BC3 .4738 FSP -361 SGI 5609.4 SG2 292.7 THA 2.26 EL1 2713.5 EL2 176.0 ALF 6.57

LAUNCH DATE DEC 6 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 618.260

RL 147.39 LAL .00 LOL 73.67 VL 25.978 GAL 21.61 AZL 86.41 MCA 321.81 SMA 117.87 ECC .43578 INC 3.5942 V1 30.228
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.408 GAP 25.44 AZP 87.17 TAL 143.92 TAP 105.73 RCA 66.50 APO 169.23 V2 35.000
 RC 207.465 GL 7.46 GP .53 ZAL 32.74 ZAP 172.37 ETS 178.27 ZAE 127.14 ETE 180.07 ZAC 121.21 ETC 165.21 CLP 172.39

PLANETOCENTRIC CONIC

C3 135.974 VHL 11.661 DLA 22.43 RAL 36.78 RAD 6570.5 VEL 16.041 PTH 2.83 VHP 16.017 DPA 8.85 RAP 26.64 ECC 3.2378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 6 3453.36 -21.55 127.89 299.65 71.17 6 27 39 2853.4 -23.92 120.03
 90.00 0 10 56 4524.44 10.31 190.29 286.50 63.48 1 26 20 3924.4 6.67 183.50
 100.00 7 7 49 3138.26 -23.89 105.57 300.50 71.47 8 0 8 2538.3 -26.19 97.53
 100.00 1 15 53 4314.76 12.51 173.74 285.36 62.63 2 27 48 3714.8 8.74 166.97
 110.00 8 49 50 2819.12 -29.59 83.43 302.61 72.06 9 36 49 2219.1 -31.76 74.89
 110.00 1 50 22 4206.67 17.79 162.57 282.39 60.32 3 0 29 3606.7 13.70 155.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.4025 TRA 9.5393 TC3 -.3362 BAU .6112 SGT 5568.3 SGR 359.7 SG3 103.0 ST 2644.6 SR 345.1 SS 761.4
 ROE .6993 RRA .1993 RC3 .0043 FAU-.00277 RRT .6353 RRF .6259 RTF .9842 CRT .8674 CRS -.8491 CST -.9993
 FDE .8923 FRA 2.0844 FC3 .0177 BSP 18751 SGB 5579.9 R23 -.0012 R13 .9842 LSA 2768.2 MSA 173.5 SSA 8.5
 BDE 4.4577 BRA 9.5413 BC3 .3362 FSP -348 SGI 5573.0 SG2 277.6 THA 2.36 EL1 2661.6 EL2 170.6 ALF 6.48

LAUNCH DATE DEC 7 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 15 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.930 GAL -7.82 AZL 86.62 HCA 83.21 SMA 123.36 ECC .23604 INC 3.3808 V1 30.232
 RP 107.55 LAP 3.36 LOP 157.88 VP 37.310 GAP -11.53 AZP 89.60 TAL 207.39 TAP 290.59 RCA 94.24 APO 152.47 V2 35.234
 RC 48.656 GL 17.56 GP -.48 ZAL 131.17 ZAP 9.93 ETS 1.69 ZAE 148.36 ETE 339.37 ZAC 63.62 ETC 162.75 CLP -9.92

PLANETOCENTRIC CONIC
 C3 27.209 VML 5.216 DLA -2.77 RAL 299.46 RAD 6568.1 VEL 12.190 PTH 2.19 VHP 7.680 DPA -15.67 RAP 331.43 ECC 1.4478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 58 2203.50 -19.30 40.78 165.15 111.13 3 14 42 1603.5 -16.25 33.43
 90.00 13 54 53 5019.39 23.12 220.89 166.71 73.18 15 18 32 4419.4 20.59 213.12
 100.00 3 58 1 1945.27 -20.43 21.31 164.67 112.31 4 30 27 1345.3 -17.22 13.99
 100.00 15 17 31 4752.85 24.28 200.89 166.31 72.00 16 36 44 4152.9 21.59 193.12
 110.00 5 3 18 1740.92 -23.44 4.36 163.23 115.62 5 32 19 1140.9 -19.80 357.11
 110.00 16 20 44 4529.97 27.38 182.73 165.08 68.69 17 44 14 3930.0 24.24 174.98

DIFFERENTIAL CORRECTIONS
 TOE -.2256 TRA -.3727 TC3 .4567 BAU .1744 SGT 675.6 SGR 400.7 SG3 122.7 ST 277.0 SR 365.2 SS 305.4
 ROE -.3320 RRA .0607 RC3 -.1458 FAU .03982 RRT -.0350 RRF .0336 RTF -.6636 CRT .8682 CRS .9887 CST .8089
 FDE .4115 FRA -.2332 FC3 -1.2671 BSP 1846 SGB 785.5 R23 .0022 R13 .6637 LSA 533.8 MSA 133.8 SSA 24.0
 BDE .4014 BRA .3776 BC3 .4794 FSP -311 SGI 675.8 SG2 400.3 THA 178.17 EL1 444.2 EL2 113.0 ALF 53.94

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 17 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.107 GAL -7.80 AZL 86.61 HCA 86.45 SMA 124.46 ECC .22734 INC 3.3865 V1 30.232
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.431 GAP -10.61 AZP 89.79 TAL 208.86 TAP 295.31 RCA 96.17 APO 152.76 V2 35.227
 RC 50.208 GL 18.09 GP -.52 ZAL 132.43 ZAP 12.59 ETS 1.28 ZAE 147.87 ETE 339.98 ZAC 64.19 ETC 162.86 CLP -12.58

PLANETOCENTRIC CONIC
 C3 26.115 VML 5.110 DLA -2.55 RAL 297.90 RAD 6568.1 VEL 12.145 PTH 2.18 VHP 7.183 DPA -15.50 RAP 332.02 ECC 1.4298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 6 2200.24 -19.22 40.58 162.95 111.21 3 6 46 1600.2 -16.17 33.23
 90.00 13 50 19 5002.30 22.78 219.75 164.36 72.71 15 13 42 4402.3 20.20 212.03
 100.00 3 50 15 1941.68 -20.33 21.09 162.48 112.40 4 22 37 1341.7 -17.12 13.77
 100.00 15 12 51 4736.09 23.92 199.77 163.96 71.51 16 31 47 4136.1 21.17 192.05
 110.00 4 55 46 1736.57 -23.31 4.09 161.05 115.74 5 24 43 1136.6 -19.66 356.85
 110.00 16 23 49 4513.96 26.98 181.66 162.71 68.17 17 39 3 3914.0 23.78 173.96

DIFFERENTIAL CORRECTIONS
 TOE -.2266 TRA -.3508 TC3 .4959 BAU .1812 SGT 690.3 SGR 400.2 SG3 139.6 ST 280.5 SR 363.8 SS 329.1
 ROE -.3241 RRA .0548 RC3 -.1528 FAU .04405 RRT -.0401 RRF .0368 RTF -.6775 CRT .8821 CRS .9853 CST .8098
 FDE .4626 FRA -.3005 FC3 -1.4603 BSP 1942 SGB 797.9 R23 .0040 R13 .6775 LSA 548.3 MSA 134.9 SSA 24.8
 BDE .3954 BRA .3551 BC3 .5189 FSP -363 SGI 690.5 SG2 399.7 THA 178.00 EL1 446.7 EL2 107.6 ALF 53.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.264 GAL -7.79 AZL 86.61 HCA 89.69 SMA 125.47 ECC .21973 INC 3.3922 V1 30.232
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.539 GAP -9.73 AZP 89.98 TAL 210.29 TAP 299.98 RCA 97.90 APO 153.04 V2 35.220
 RC 51.850 GL 18.56 GP -.56 ZAL 133.61 ZAP 15.37 ETS 1.01 ZAE 147.65 ETE 340.44 ZAC 64.64 ETC 162.93 CLP -15.36

PLANETOCENTRIC CONIC
 C3 25.215 VML 5.021 DLA -2.35 RAL 296.45 RAD 6568.0 VEL 12.108 PTH 2.17 VHP 6.716 DPA -15.39 RAP 332.48 ECC 1.4150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 48 2197.78 -19.16 40.42 160.96 111.26 2 59 25 1597.8 -16.10 33.08
 90.00 13 46 0 4987.42 22.47 218.76 162.22 72.30 15 9 7 4387.4 19.84 211.08
 100.00 3 43 3 1938.91 -20.26 20.91 160.49 112.46 4 15 21 1338.9 -17.04 13.60
 100.00 15 8 26 4721.52 23.60 198.80 161.82 71.10 16 27 7 4121.5 20.80 191.12
 110.00 4 48 47 1733.14 -23.21 3.87 159.06 115.83 5 17 40 1133.1 -19.55 356.65
 110.00 16 19 11 4500.06 26.63 180.74 160.56 67.73 17 34 11 3900.1 23.37 173.09

DIFFERENTIAL CORRECTIONS
 TOE -.2285 TRA -.3321 TC3 .5275 BAU .1857 SGT 701.8 SGR 398.7 SG3 158.8 ST 284.9 SR 361.5 SS 355.3
 ROE -.3164 RRA .0494 RC3 -.1588 FAU .04883 RRT -.0420 RRF .0395 RTF -.6859 CRT .8946 CRS .9817 CST .8118
 FDE .5228 FRA -.3766 FC3 -1.6767 BSP 1986 SGB 807.1 R23 .0031 R13 .6860 LSA 564.5 MSA 137.2 SSA 25.2
 BDE .3903 BRA .3358 BC3 .5509 FSP -421 SGI 702.1 SG2 398.2 THA 177.98 EL1 448.7 EL2 102.6 ALF 52.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.404 GAL -7.78 AZL 86.60 HCA 92.93 SMA 126.38 ECC .21310 INC 3.3979 V1 30.232
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.633 GAP -8.89 AZP 90.17 TAL 211.67 TAP 304.60 RCA 99.45 APO 153.31 V2 35.212
 RC 53.572 GL 18.98 GP -.60 ZAL 134.69 ZAP 18.29 ETS .81 ZAE 147.71 ETE 340.77 ZAC 64.96 ETC 162.97 CLP -18.28

PLANETOCENTRIC CONIC
 C3 24.473 VML 4.947 DLA -2.17 RAL 295.10 RAD 6568.0 VEL 12.077 PTH 2.16 VHP 6.277 DPA -15.32 RAP 332.81 ECC 1.4028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 4 2196.02 -19.11 40.31 159.16 111.30 2 52 41 1596.0 -16.05 32.97
 90.00 13 41 57 4974.48 22.20 217.91 160.31 71.96 15 4 52 4374.5 19.53 210.26
 100.00 3 36 25 1936.88 -20.21 20.79 158.69 112.51 4 8 41 1336.9 -16.98 13.48
 100.00 15 4 18 4708.85 23.32 197.97 159.90 70.75 16 22 47 4108.8 20.48 190.32
 110.00 4 42 20 1730.50 -23.13 3.71 157.27 115.90 5 11 11 1130.5 -19.46 356.49
 110.00 16 14 52 4487.99 26.31 179.94 158.63 67.35 17 29 40 3888.0 23.01 172.33

DIFFERENTIAL CORRECTIONS
 TOE -.2296 TRA -.3151 TC3 .5531 BAU .1887 SGT 709.6 SGR 396.3 SG3 180.7 ST 288.1 SR 358.2 SS 383.4
 ROE -.3090 RRA .0444 RC3 -.1641 FAU .05430 RRT -.0443 RRF .0426 RTF -.6914 CRT .9050 CRS .9780 CST .8134
 FDE .5923 FRA -.4642 FC3 -1.9210 BSP 2014 SGB 812.8 R23 .0018 R13 .6915 LSA 581.4 MSA 140.2 SSA 25.4
 BDE .3850 BRA .3182 BC3 .5769 FSP -487 SGI 709.9 SG2 395.7 THA 177.94 EL1 449.2 EL2 97.7 ALF 51.81

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.527 GAL -7.78 AZL 86.60 HCA 96.17 SMA 127.20 ECC .20736 INC 3.4036 V1 30.232
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.715 GAP -8.10 AZP 90.37 TAL 212.96 TAP 309.13 RCA 100.83 APO 153.58 V2 35.204
 RC 55.368 GL 19.36 GP -.65 ZAL 135.67 ZAP 21.36 ETS .66 ZAE 148.06 ETE 340.94 ZAC 65.13 ETC 162.99 CLP -21.35

DISTANCE 213.259

PLANETOCENTRIC CONIC
 C3 23.859 VML 4.885 DLA -2.00 RAL 293.87 RAD 6568.0 VEL 12.051 PTH 2.15 VHP 5.866 CPA -15.31 RAP 332.99 ECC 1.3927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 57 2194.88 -19.09 40.24 157.54 111.32 2 46 32 1594.9 -16.02 32.90
 90.00 13 38 16 4963.16 21.96 217.17 158.59 71.66 15 0 59 4363.2 19.25 209.54
 100.00 3 30 22 1935.49 -20.17 20.70 157.08 112.54 4 2 37 1335.5 -16.94 13.39
 100.00 15 0 32 4697.78 23.07 197.24 158.18 70.44 16 18 50 4097.8 20.19 189.63
 110.00 4 36 28 1728.56 -23.08 3.59 155.67 115.95 5 5 16 1128.6 -19.40 356.38
 110.00 16 10 56 4477.47 26.04 179.25 156.91 67.03 17 25 33 3877.5 22.70 171.68

DIFFERENTIAL CORRECTIONS
 TOE -.2292 TRA -.3003 TC3 .5712 BAU .1900 SGT 712.7 SGR 392.8 SG3 205.7 ST 289.4 SR 353.9 SS 413.3
 ROE -.3014 RRA .0398 RC3 -.1685 FAU .06054 RRT -.0475 RRF .0466 RTF -.6932 CRT .9130 CRS .9743 CST .8136
 FDE .6721 FRA -.5645 FC3-2.1968 BSP 2028 SGB 813.8 R23 .0006 R13 .6934 LSA 598.7 MSA 143.9 SSA 25.4
 BDE .3787 BRA .3029 BC3 .5956 FSP -564 SG1 713.0 SG2 392.2 THA 177.85 EL1 447.5 EL2 93.4 ALF 51.26

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.636 GAL -7.77 AZL 86.59 HCA 99.41 SMA 127.93 ECC .20239 INC 3.4094 V1 30.232
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.786 GAP -7.33 AZP 90.56 TAL 214.17 TAP 313.57 RCA 102.04 APO 153.82 V2 35.195
 RC 57.230 GL 19.69 GP -.70 ZAL 136.53 ZAP 24.61 ETS .54 ZAE 148.71 ETE 340.95 ZAC 65.13 ETC 162.96 CLP -24.60

DISTANCE 219.999

PLANETOCENTRIC CONIC
 C3 23.348 VML 4.832 DLA -1.85 RAL 292.76 RAD 6567.9 VEL 12.030 PTH 2.15 VHP 5.483 CPA -15.36 RAP 332.99 ECC 1.3843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 25 2194.28 -19.07 40.20 156.12 111.34 2 40 59 1594.3 -16.00 32.87
 90.00 13 34 58 4953.17 21.75 216.52 157.07 71.40 14 57 32 4353.2 19.01 208.91
 100.00 3 24 53 1934.67 -20.15 20.65 155.65 112.56 3 57 8 1334.7 -16.92 13.35
 100.00 14 57 11 4688.02 22.84 196.60 156.66 70.18 16 15 19 4088.0 19.93 189.01
 110.00 4 31 9 1727.24 -23.04 3.50 154.25 115.98 4 59 57 1127.2 -19.35 356.30
 110.00 16 7 24 4468.22 25.79 178.64 155.38 66.74 17 21 52 3868.2 22.42 171.11

DIFFERENTIAL CORRECTIONS
 TOE -.2256 TRA -.2870 TC3 .5833 BAU .1899 SGT 710.8 SGR 388.5 SG3 234.3 ST 286.8 SR 348.7 SS 444.3
 ROE -.2938 RRA .0356 RC3 -.1724 FAU .06772 RRT -.0546 RRF .0526 RTF -.6924 CRT .9181 CRS .9705 CST .8107
 FDE .7617 FRA -.6802 FC3-2.5108 BSP 2052 SGB 810.0 R23 .0012 R13 .6925 LSA 615.4 MSA 147.8 SSA 25.3
 BDE .3704 BRA .2892 BC3 .6082 FSP -656 SG1 711.2 SG2 387.6 THA 177.57 EL1 442.5 EL2 89.6 ALF 51.04

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.730 GAL -7.77 AZL 86.58 HCA 102.64 SMA 128.58 ECC .19810 INC 3.4152 V1 30.232
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.846 GAP -6.60 AZP 90.75 TAL 215.27 TAP 317.91 RCA 103.11 APO 154.05 V2 35.186
 RC 59.152 GL 19.99 GP -.76 ZAL 137.29 ZAP 28.05 ETS .42 ZAE 149.65 ETE 340.76 ZAC 64.95 ETC 162.89 CLP -28.04

DISTANCE 226.713

PLANETOCENTRIC CONIC
 C3 22.919 VML 4.787 DLA -1.71 RAL 291.78 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 5.126 CPA -15.48 RAP 332.81 ECC 1.3772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 26 2194.19 -19.07 40.19 154.86 111.34 2 36 0 1594.2 -16.00 32.86
 90.00 13 32 7 4944.23 21.55 215.93 155.73 71.17 14 54 31 4344.2 18.78 208.35
 100.00 3 19 59 1934.36 -20.14 20.63 154.40 112.57 3 52 13 1334.4 -16.91 13.33
 100.00 14 54 15 4679.29 22.64 196.03 155.32 69.94 16 12 15 4079.3 19.70 188.47
 110.00 4 26 24 1726.45 -23.01 3.45 153.01 116.00 4 55 11 1126.4 -19.33 356.25
 110.00 16 4 20 4459.96 25.57 178.10 154.04 66.50 17 18 40 3860.0 22.17 170.60

DIFFERENTIAL CORRECTIONS
 TOE -.2215 TRA -.2790 TC3 .5822 BAU .1863 SGT 701.9 SGR 383.0 SG3 266.5 ST 283.9 SR 342.3 SS 478.4
 ROE -.2858 RRA .0318 RC3 -.1755 FAU .07572 RRT -.0584 RRF .0581 RTF -.6830 CRT .9206 CRS .9674 CST .8063
 FDE .8666 FRA -.8080 FC3-2.8601 BSP 2009 SGB 799.6 R23 -.0014 R13 .6833 LSA 634.7 MSA 152.4 SSA 24.9
 BDE .3616 BRA .2808 BC3 .6081 FSP -757 SG1 702.4 SG2 382.1 THA 177.41 EL1 436.1 EL2 87.1 ALF 50.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.811 GAL -7.76 AZL 86.58 HCA 105.88 SMA 129.15 ECC .19442 INC 3.4213 V1 30.232
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.897 GAP -5.91 AZP 90.94 TAL 216.25 TAP 322.13 RCA 104.04 APO 154.26 V2 35.176
 RC 61.127 GL 20.26 GP -.82 ZAL 137.94 ZAP 31.70 ETS .31 ZAE 150.92 ETE 340.35 ZAC 64.57 ETC 162.78 CLP -31.70

DISTANCE 233.401

PLANETOCENTRIC CONIC
 C3 22.554 VML 4.749 DLA -1.57 RAL 290.92 RAD 6567.9 VEL 11.997 PTH 2.14 VHP 4.797 CPA -15.69 RAP 332.43 ECC 1.3712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 0 2194.54 -19.08 40.22 153.77 111.33 2 31 35 1594.5 -16.01 32.88
 90.00 13 29 43 4936.07 21.37 215.40 154.57 70.97 14 51 59 4336.1 18.58 207.84
 100.00 3 15 37 1934.50 -20.15 20.64 153.32 112.56 3 47 52 1334.5 -16.91 13.34
 100.00 14 51 48 4671.34 22.45 195.52 154.15 69.73 16 9 39 4071.3 19.49 187.97
 110.00 4 22 11 1726.13 -23.00 3.43 151.93 116.01 4 50 57 1126.1 -19.32 356.24
 110.00 16 1 43 4452.47 25.36 177.62 152.87 66.27 17 15 56 3852.5 21.94 170.14

DIFFERENTIAL CORRECTIONS
 TOE -.2145 TRA -.2751 TC3 .5700 BAU .1801 SGT 685.8 SGR 376.6 SG3 302.6 ST 277.8 SR 334.9 SS 514.3
 ROE -.2774 RRA .0283 RC3 -.1782 FAU .08471 RRT -.0634 RRF .0650 RTF -.6655 CRT .9193 CRS .9646 CST .7973
 FDE .9852 FRA -.9510 FC3-3.2518 BSP 1935 SGB 782.4 R23 -.0048 R13 .6659 LSA 654.7 MSA 157.0 SSA 24.4
 BDE .3507 BRA .2765 BC3 .5972 FSP -871 SG1 686.3 SG2 375.6 THA 177.15 EL1 426.6 EL2 85.8 ALF 50.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 240.060

RL 147.37 LAL .00 LOL 74.68 VL 27.881 GAL -7.75 AZL 86.57 HCA 109.11 SMA 129.64 ECC .19126 INC 3.4275 V1 30.232
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.939 GAP -5.24 AZP 91.12 TAL 217.11 TAP 326.22 RCA 104.84 APO 154.43 V2 35.166
 RC 63.151 GL 20.50 GP -.90 ZAL 138.48 ZAP 35.59 ETS .19 ZAE 152.50 ETE 339.65 ZAC 63.96 ETC 162.61 CLP -35.58

PLANETOCENTRIC CONIC

C3 22.238 VML 4.716 DLA -1.44 RAL 290.19 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 4.495 DPA -15.98 RAP 331.82 ECC 1.3660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 5 2195.29 -19.10 40.26 152.84 111.31 2 27 40 1595.3 -16.03 32.93
 90.00 13 27 48 4928.47 21.20 214.91 153.56 70.78 14 49 56 4328.5 18.38 207.37
 100.00 3 11 46 1935.06 -20.16 20.67 152.39 112.55 3 44 1 1335.1 -16.93 13.37
 100.00 14 49 49 4663.94 22.28 195.04 153.14 69.54 16 7 33 4063.9 19.29 187.51
 110.00 4 18 28 1726.24 -23.01 3.44 151.01 116.01 4 47 14 1126.2 -19.32 356.24
 110.00 15 59 35 4445.53 25.17 177.17 151.86 66.07 17 13 41 3845.5 21.72 169.72

DIFFERENTIAL CORRECTIONS

TOE -.2029 TRA -.2750 TC3 .5470 BAU .1713
 ROE -.2686 RRA .0251 RC3 -.1805 FAU .09484
 FOE 1.1157 FRA-1.1114 FC3-3.6921 BSP 1852
 BOE .3366 BRA .2761 BC3 .5760 FSP -1006

MID-COURSE EXECUTION ACCURACY

SGT 662.3 SGR 369.3 SG3 343.3
 RRT -.0721 RRF .0745 RTF -.6381
 SGB 758.3 R23 -.0080 R13 .6387
 SG1 663.1 SG2 367.9 THA 176.67

ORBIT DETERMINATION ACCURACY

ST 266.5 SR 326.5 SS 551.0
 CRT .9128 CRS .9619 CST 1.7804
 LSA 674.2 MSA 161.4 SSA 24.0
 EL1 412.6 EL2 86.2 ALF 51.31

LAUNCH DATE DEC 7 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 246.690

RL 147.37 LAL .00 LOL 74.68 VL 27.940 GAL -7.74 AZL 86.57 HCA 112.34 SMA 130.05 ECC .18854 INC 3.4339 V1 30.232
 RP 107.80 LAP 3.18 LOP 187.05 VP 37.972 GAP -4.61 AZP 91.31 TAL 217.85 TAP 330.19 RCA 105.53 APO 154.57 V2 35.155
 RC 65.219 GL 20.72 GP -.98 ZAL 138.91 ZAP 39.71 ETS .06 ZAE 154.40 ETE 338.58 ZAC 63.13 ETC 162.38 CLP -39.70

PLANETOCENTRIC CONIC

C3 21.959 VML 4.686 DLA -1.30 RAL 289.58 RAD 6567.9 VEL 11.972 PTH 2.13 VHP 4.219 DPA -16.35 RAP 330.97 ECC 1.3614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 38 2196.45 -19.12 40.34 152.06 111.29 2 24 15 1596.4 -16.06 33.00
 90.00 13 26 22 4921.20 21.04 214.44 152.70 70.60 14 48 23 4321.2 18.20 206.91
 100.00 3 8 22 1936.01 -20.18 20.73 151.60 112.53 3 40 38 1336.0 -16.96 13.43
 100.00 14 48 19 4656.87 22.11 194.58 152.28 69.35 16 5 56 4056.9 19.10 187.08
 110.00 4 15 14 1726.74 -23.02 3.47 150.23 116.00 4 44 0 1126.7 -19.34 356.27
 110.00 15 57 57 4438.91 24.99 176.74 150.99 65.88 17 11 56 3838.9 21.52 169.31

DIFFERENTIAL CORRECTIONS

TOE -.1888 TRA -.2822 TC3 .5069 BAU .1582
 ROE -.2591 RRA .0223 RC3 -.1824 FAU .10581
 FOE 1.2634 FRA-1.2824 FC3-4.1716 BSP 1690
 BOE .3206 BRA .2831 BC3 .5387 FSP -1149

MID-COURSE EXECUTION ACCURACY

SGT 631.0 SGR 361.0 SG3 387.7
 RRT -.0769 RRF .0841 RTF -.5908
 SGB 727.0 R23 -.0169 R13 .5918
 SG1 631.9 SG2 359.4 THA 176.27

ORBIT DETERMINATION ACCURACY

ST 253.4 SR 317.0 SS 590.3
 CRT .8991 CRS .9600 CST 1.7544
 LSA 696.4 MSA 165.8 SSA 23.3
 EL1 395.9 EL2 88.8 ALF 52.05

LAUNCH DATE DEC 7 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 253.290

RL 147.37 LAL .00 LOL 74.68 VL 27.989 GAL -7.72 AZL 86.56 HCA 115.56 SMA 130.40 ECC .18621 INC 3.4407 V1 30.232
 RP 107.83 LAP 3.10 LOP 190.29 VP 37.997 GAP -4.00 AZP 91.49 TAL 218.46 TAP 334.02 RCA 106.12 APO 154.69 V2 35.143
 RC 67.327 GL 20.93 GP -1.06 ZAL 139.24 ZAP 44.09 ETS 359.92 ZAE 156.61 ETE 337.00 ZAC 62.05 ETC 162.08 CLP -44.08

PLANETOCENTRIC CONIC

C3 21.706 VML 4.659 DLA -1.16 RAL 289.08 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 3.971 DPA -16.81 RAP 329.86 ECC 1.3572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 38 2197.98 -19.16 40.43 151.40 111.26 2 21 15 1598.0 -16.10 33.09
 90.00 13 25 26 4914.07 20.87 213.98 151.98 70.42 14 47 20 4314.1 18.02 206.47
 100.00 3 5 26 1937.34 -20.22 20.82 150.95 112.50 3 37 43 1337.3 -16.99 13.51
 100.00 14 47 19 4649.95 21.94 194.13 151.56 69.18 16 4 49 4050.0 18.92 186.65
 110.00 4 12 26 1727.60 -23.05 3.53 149.58 115.97 4 41 13 1127.6 -19.37 356.32
 110.00 15 56 48 4432.46 24.81 176.33 150.26 65.69 17 10 40 3832.5 21.31 168.92

DIFFERENTIAL CORRECTIONS

TOE -.1703 TRA -.2960 TC3 .4509 BAU .1413
 ROE -.2490 RRA .0198 RC3 -.1839 FAU .11767
 FOE 1.4251 FRA-1.4641 FC3-4.6931 BSP 1474
 BOE .3017 BRA .2967 BC3 .4870 FSP -1305

MID-COURSE EXECUTION ACCURACY

SGT 594.1 SGR 351.8 SG3 435.8
 RRT -.0802 RRF .0951 RTF -.5168
 SGB 690.5 R23 -.0317 R13 .5186
 SG1 595.2 SG2 350.0 THA 175.84

ORBIT DETERMINATION ACCURACY

ST 236.5 SR 306.4 SS 630.8
 CRT .8730 CRS .9586 CST 1.7120
 LSA 720.0 MSA 170.0 SSA 22.7
 EL1 375.4 EL2 94.1 ALF 53.34

LAUNCH DATE DEC 7 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 259.859

RL 147.37 LAL .00 LOL 74.68 VL 28.029 GAL -7.70 AZL 86.55 HCA 118.79 SMA 130.69 ECC .18421 INC 3.4478 V1 30.232
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.016 GAP -3.41 AZP 91.66 TAL 218.94 TAP 337.73 RCA 106.62 APO 154.76 V2 35.132
 RC 69.470 GL 21.13 GP -1.16 ZAL 139.48 ZAP 48.72 ETS 359.77 ZAE 159.11 ETE 334.67 ZAC 60.74 ETC 161.70 CLP -48.71

PLANETOCENTRIC CONIC

C3 21.472 VML 4.634 DLA -1.02 RAL 288.70 RAD 6567.9 VEL 11.952 PTH 2.13 VHP 3.750 DPA -17.35 RAP 328.50 ECC 1.3534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 1 2199.90 -19.21 40.55 150.88 111.21 2 18 41 1599.9 -16.16 33.21
 90.00 13 24 59 4906.92 20.71 213.52 151.38 70.25 14 46 46 4306.9 17.83 206.03
 100.00 3 2 53 1939.03 -20.26 20.92 150.43 112.46 3 35 12 1339.0 -17.04 13.61
 100.00 14 46 48 4643.02 21.78 193.69 150.95 69.00 16 4 11 4043.0 18.73 186.22
 110.00 4 10 2 1728.80 -23.08 3.60 149.06 115.94 4 38 51 1128.8 -19.40 356.39
 110.00 15 56 7 4426.01 24.63 175.91 149.65 65.51 17 9 53 3826.0 21.11 168.53

DIFFERENTIAL CORRECTIONS

TOE -.1455 TRA -.3157 TC3 .3797 BAU .1213
 ROE -.2384 RRA .0177 RC3 -.1851 FAU .13040
 FOE 1.5930 FRA-1.6571 FC3-5.2578 BSP 1231
 BOE .2793 BRA .3162 BC3 .4224 FSP -1481

MID-COURSE EXECUTION ACCURACY

SGT 555.6 SGR 341.7 SG3 487.4
 RRT -.0834 RRF .1091 RTF -.4049
 SGB 652.3 R23 -.0553 R13 .4081
 SG1 556.7 SG2 339.8 THA 175.32

ORBIT DETERMINATION ACCURACY

ST 215.0 SR 294.9 SS 670.3
 CRT .8238 CRS .9572 CST 1.6386
 LSA 742.9 MSA 173.3 SSA 22.0
 EL1 350.2 EL2 102.6 ALF 55.65

LAUNCH DATE DEC 7 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 11 1966

DISTANCE 266.397

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 28.060 GAL -7.66 AZL 86.54 HCA 122.01 SMA 130.92 ECC .10249 INC 3.4554 V1 30.232
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.028 GAP -2.85 AZP 91.83 TAL 219.29 TAP 341.31 RCA 107.03 APO 154.81 V2 35.120
 RC 71.643 GL 21.32 GP -1.27 ZAL 139.61 ZAP 53.60 ETS 359.59 ZAE 161.85 ETE 331.20 ZAC 59.19 ETC 161.23 CLP -53.59

PLANETOCENTRIC CONIC
 C3 21.248 VHL 4.610 DLA -.86 RAL 288.42 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 3.557 DPA -17.98 RAP 326.89 ECC 1.3497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 45 2202.20 -19.27 40.70 150.47 111.16 2 16 27 1602.2 -16.22 33.35
 90.00 13 25 7 4899.58 20.54 213.05 150.89 70.07 14 46 42 4299.6 17.64 205.57
 100.00 3 0 42 1941.10 -20.32 21.05 150.02 112.41 3 33 3 1341.1 -17.10 13.73
 100.00 14 46 46 4635.91 21.60 193.23 150.46 68.82 16 4 2 4035.9 18.53 185.78
 110.00 4 8 1 1730.36 -23.13 3.70 148.66 115.90 4 36 52 1130.4 -19.46 356.49
 110.00 15 55 56 4419.42 24.44 175.49 149.16 65.32 17 9 36 3819.4 20.90 168.13

DIFFERENTIAL CORRECTIONS
 TOE -.1168 TRA -.3445 TC3 .2871 BAU .0971 SGT 523.9 SGR 330.7 SG3 540.1 ST 194.1 SR 282.4 SS 711.3
 ROE -.2271 RRA .0159 RC3 -.1856 FAU .14325 RRT -.0737 RRF .1224 RTF -.2326 CRT .7335 CRS .9568 CST .5186
 FDE 1.7732 FRA -1.8457 FC3 -5.8364 BSP 893 SGB 619.6 R23 -.0942 R13 .2374 LSA 769.2 MSA 176.5 SSA 21.3
 BDE .2554 BRA .3448 BC3 .3419 FSP -1655 SG1 524.9 SG2 329.2 THA 175.61 EL1 322.6 EL2 115.5 ALF 58.82

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 13 1966

DISTANCE 272.904

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 28.084 GAL -7.63 AZL 86.54 HCA 125.23 SMA 131.09 ECC .18101 INC 3.4636 V1 30.232
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.034 GAP -2.32 AZP 92.00 TAL 219.52 TAP 344.76 RCA 107.36 APO 154.82 V2 35.108
 RC 73.845 GL 21.51 GP -1.38 ZAL 139.66 ZAP 58.70 ETS 359.39 ZAE 164.76 ETE 325.88 ZAC 57.43 ETC 160.67 CLP -58.69

PLANETOCENTRIC CONIC
 C3 21.031 VHL 4.586 DLA -.69 RAL 288.25 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 3.391 DPA -18.66 RAP 325.04 ECC 1.3461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 49 2204.92 -19.33 40.87 150.16 111.10 2 14 34 1604.9 -16.29 33.51
 90.00 13 25 35 4891.91 20.36 212.56 150.50 69.89 14 47 7 4291.9 17.44 205.10
 100.00 2 58 50 1943.57 -20.38 21.21 149.72 112.35 3 31 14 1343.6 -17.17 13.88
 100.00 14 47 15 4628.49 21.42 192.76 150.07 68.63 16 4 23 4028.5 18.33 185.33
 110.00 4 6 21 1732.26 -23.19 3.82 148.37 115.85 4 35 13 1132.3 -19.52 356.60
 110.00 15 56 14 4412.56 24.24 175.06 148.76 65.13 17 9 46 3812.6 20.69 167.72

DIFFERENTIAL CORRECTIONS
 TOE -.0824 TRA -.3807 TC3 .1753 BAU .0718 SGT 512.6 SGR 318.9 SG3 592.9 ST 176.1 SR 269.2 SS 750.8
 ROE -.2154 RRA .0146 RC3 -.1855 FAU .15604 RRT -.0510 RRF .1367 RTF .0019 CRT .5677 CRS .9569 CST .3186
 FDE 1.9538 FRA -2.0282 FC3 -6.4234 BSP 499 SGB 603.7 R23 -.1370 R13 .0024 LSA 796.6 MSA 179.3 SSA 20.5
 BDE .2306 BRA .3810 BC3 .2552 FSP -1831 SG1 513.0 SG2 318.2 THA 177.05 EL1 292.7 EL2 133.3 ALF 63.81

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 15 1966

DISTANCE 279.381

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 28.100 GAL -7.58 AZL 86.53 HCA 128.45 SMA 131.21 ECC .17974 INC 3.4723 V1 30.232
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.035 GAP -1.81 AZP 92.16 TAL 219.63 TAP 348.09 RCA 107.63 APO 154.79 V2 35.093
 RC 76.070 GL 21.70 GP -1.50 ZAL 139.62 ZAP 64.00 ETS 359.18 ZAE 167.67 ETE 317.33 ZAC 55.49 ETC 160.00 CLP -63.99

PLANETOCENTRIC CONIC
 C3 20.815 VHL 4.562 DLA -.51 RAL 288.17 RAD 6567.8 VEL 11.925 PTH 2.12 VHP 3.252 DPA -19.40 RAP 322.98 ECC 1.3426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 10 2208.07 -19.41 41.07 149.96 111.03 2 12 58 1608.1 -16.38 33.71
 90.00 13 26 37 4883.80 20.17 212.04 150.21 69.70 14 48 1 4283.8 17.23 204.60
 100.00 2 57 16 1946.45 -20.46 21.39 149.52 112.29 3 29 43 1346.5 -17.26 14.06
 100.00 14 48 12 4620.66 21.22 192.26 149.78 68.44 16 5 13 4020.7 18.11 184.85
 110.00 4 4 58 1734.54 -23.25 3.96 148.18 115.79 4 33 53 1134.5 -19.59 356.73
 110.00 15 56 59 4405.33 24.04 174.60 148.47 64.93 17 10 25 3805.3 20.46 167.28

DIFFERENTIAL CORRECTIONS
 TOE -.0416 TRA -.4236 TC3 .0461 BAU .0529 SGT 536.2 SGR 306.3 SG3 644.4 ST 157.9 SR 255.3 SS 786.0
 ROE -.2032 RRA .0137 RC3 -.1846 FAU .16848 RRT -.0179 RRF .1529 RTF .2655 CRT .2912 CRS .9569 CST .0149
 FDE 2.1218 FRA -2.2003 FC3 -7.0074 BSP 161 SGB 617.5 R23 -.1600 R13 -.2642 LSA 823.4 MSA 181.0 SSA 19.8
 BDE .2074 BRA .4238 BC3 .1903 FSP -2013 SG1 536.2 SG2 306.2 THA 179.13 EL1 262.7 EL2 156.1 ALF 72.99

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 17 1966

DISTANCE 285.826

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 28.111 GAL -7.53 AZL 86.52 HCA 131.67 SMA 131.28 ECC .17863 INC 3.4820 V1 30.232
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.031 GAP -1.32 AZP 92.32 TAL 219.63 TAP 351.30 RCA 107.83 APO 154.74 V2 35.082
 RC 78.316 GL 21.90 GP -1.63 ZAL 139.49 ZAP 69.43 ETS 358.94 ZAE 170.27 ETE 303.02 ZAC 53.43 ETC 159.23 CLP -69.43

PLANETOCENTRIC CONIC
 C3 20.597 VHL 4.538 DLA -.31 RAL 288.19 RAD 6567.8 VEL 11.915 PTH 2.12 VHP 3.140 DPA -20.16 RAP 320.76 ECC 1.3390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 46 2211.71 -19.50 41.30 149.85 110.95 2 11 37 1611.7 -16.48 33.93
 90.00 13 28 9 4875.13 19.97 211.48 150.00 69.49 14 49 24 4275.1 17.00 204.07
 100.00 2 55 57 1949.80 -20.54 21.60 149.42 112.21 3 28 27 1349.8 -17.35 14.26
 100.00 14 49 39 4612.28 21.01 191.72 149.57 68.24 16 6 31 4012.3 17.87 184.34
 110.00 4 3 52 1737.22 -23.33 4.13 148.08 115.72 4 32 49 1137.2 -19.68 356.89
 110.00 15 58 13 4397.62 23.81 174.11 148.29 64.72 17 11 31 3797.6 20.21 166.82

DIFFERENTIAL CORRECTIONS
 TOE .0036 TRA -.4742 TC3 -.1035 BAU .0578 SGT 606.0 SGR 292.8 SG3 690.7 ST 179.7 SR 240.9 SS 819.7
 ROE -.1907 RRA .0134 RC3 -.1825 FAU .17945 RRT .0245 RRF .1669 RTF .5008 CRT -.0462 CRS .9579 CST -.3187
 FDE 2.2816 FRA -2.3414 FC3 -7.5427 BSP 539 SGB 673.0 R23 -.1510 R13 .5019 LSA 853.5 MSA 182.6 SSA 18.9
 BDE .1908 BRA .4744 BC3 .2098 FSP -2170 SG1 606.1 SG2 292.6 THA .88 EL1 241.2 EL2 179.2 ALF 94.41

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 292.242

RL 147.37 LAL .00 LOL 74.68 VL 28.115 GAL -7.46 AZL 86.51 MCA 134.88 SMA 131.32 ECC .17768 INC 3.4926 V1 30.232
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.022 GAP -.84 AZP 92.47 TAL 219.51 TAP 354.40 RCA 107.98 APO 154.65 V2 35.069
 RC 80.581 GL 22.10 GP -1.76 ZAL 139.27 ZAP 74.95 ETS 358.68 ZAE 171.91 ETE 279.95 ZAC 51.30 ETC 158.35 CLP -74.95

PLANETOCENTRIC CONIC

C3 20.376 VHL 4.514 CLA -.10 RAL 288.29 RAD 6567.8 VEL 11.906 PTH 2.12 VHP 3.055 OPA -20.92 RAP 318.44 ECC 1.3353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 34 2215.89 -19.60 41.56 149.84 110.86 2 10 30 1615.9 -16.59 34.18
 90.00 13 30 11 4865.79 19.74 210.89 149.88 69.28 14 51 17 4265.8 16.75 203.50
 100.00 2 54 52 1953.64 -20.64 21.84 149.40 112.12 3 27 25 1353.6 -17.46 14.49
 100.00 14 51 34 4603.26 20.78 191.15 149.45 68.02 16 8 18 4003.3 17.62 183.79
 110.00 4 3 0 1740.34 -23.42 4.32 148.07 115.64 4 32 0 1140.3 -19.78 357.08
 110.00 15 59 55 4389.33 23.57 173.59 148.12 64.49 17 13 5 3789.3 19.94 166.33

DIFFERENTIAL CORRECTIONS

TDE .0540 TRA -.5300 TC3 -.2687 BAU .0880
 RDE -.1781 RRA .0135 RC3 -.1793 FAU .18891
 FDE 2.4124 FRA-2.4547 FC3-8.0267 BSP 1105
 BDE .1861 BRA .5302 BC3 .3230 FSP -2318

MID-COURSE EXECUTION ACCURACY

SGT 718.4 SGR 278.5 SG3 731.1
 RRT .0611 RRF .1814 RTF .6685
 SGB 770.5 R23 .1335 R13 .6700
 SG1 718.6 SG2 277.9 TMA 1.60

ORBIT DETERMINATION ACCURACY

ST 213.3 SR 226.1 SS 847.1
 CRT -.3419 CRS .9590 CST -.5845
 LSA 883.3 MSA 183.3 SSA 18.1
 EL1 255.0 EL2 177.7 ALF 130.14

LAUNCH DATE DEC 7 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 298.628

RL 147.37 LAL .00 LOL 74.68 VL 28.114 GAL -7.39 AZL 86.50 MCA 138.10 SMA 131.31 ECC .17686 INC 3.5044 V1 30.232
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.009 GAP -.39 AZP 92.61 TAL 219.30 TAP 357.39 RCA 108.08 APO 154.53 V2 35.056
 RC 82.862 GL 22.31 GP -1.91 ZAL 138.98 ZAP 80.49 ETS 358.41 ZAE 171.82 ETE 251.64 ZAC 49.18 ETC 157.38 CLP -80.48

PLANETOCENTRIC CONIC

C3 20.149 VHL 4.489 DLA .15 RAL 288.48 RAD 6567.8 VEL 11.897 PTH 2.11 VHP 2.995 OPA -21.67 RAP 316.07 ECC 1.3316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 32 2220.67 -19.72 41.87 149.90 110.75 2 9 33 1620.7 -16.72 34.47
 90.00 13 32 43 4855.66 19.50 210.25 149.83 69.05 14 53 39 4255.7 16.48 202.88
 100.00 2 53 57 1958.07 -20.75 22.12 149.47 112.01 3 26 35 1358.1 -17.59 14.76
 100.00 14 54 0 4593.50 20.53 190.53 149.40 67.79 16 10 33 3993.5 17.34 183.19
 110.00 4 2 21 1743.97 -23.53 4.55 148.15 115.54 4 31 25 1144.0 -19.90 357.29
 110.00 16 2 5 4380.37 23.31 173.03 148.07 64.26 17 15 6 3780.4 19.65 165.79

DIFFERENTIAL CORRECTIONS

TDE .1075 TRA -.5907 TC3 -.4495 BAU .1299
 RDE -.1652 RRA .0142 RC3 -.1746 FAU .19578
 FDE 2.5209 FRA-2.5202 FC3-8.4119 BSP 1739
 BDE .1971 BRA .5909 BC3 .4822 FSP -2424

MID-COURSE EXECUTION ACCURACY

SGT 866.2 SGR 263.3 SG3 761.8
 RRT .0904 RRF .1925 RTF .7745
 SGB 905.3 R23 .1159 R13 .7756
 SG1 866.5 SG2 262.1 TMA 1.73

ORBIT DETERMINATION ACCURACY

ST 264.9 SR 210.9 SS 871.4
 CRT -.5389 CRS .9610 CST -.7431
 LSA 916.4 MSA 183.9 SSA 17.2
 EL1 300.1 EL2 156.8 ALF 146.54

LAUNCH DATE DEC 7 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 304.984

RL 147.37 LAL .00 LOL 74.68 VL 28.108 GAL -7.32 AZL 86.48 MCA 141.31 SMA 131.26 ECC .17615 INC 3.5179 V1 30.232
 RP 108.14 LAP 2.20 LOP 216.04 VP 37.992 GAP .04 AZP 92.75 TAL 218.98 TAP .28 RCA 108.14 APO 154.38 V2 35.043
 RC 85.157 GL 22.54 GP -2.06 ZAL 138.60 ZAP 85.96 ETS 358.13 ZAE 169.99 ETE 229.13 ZAC 47.12 ETC 156.33 CLP -85.96

PLANETOCENTRIC CONIC

C3 19.916 VHL 4.463 DLA .41 RAL 288.75 RAD 6567.8 VEL 11.887 PTH 2.11 VHP 2.959 OPA -22.38 RAP 313.75 ECC 1.3278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 38 2226.16 -19.85 42.22 150.05 110.62 2 8 44 1626.2 -16.86 34.81
 90.00 13 35 47 4844.64 19.23 209.55 149.86 68.80 14 56 31 4244.6 16.18 202.21
 100.00 2 53 10 1963.16 -20.88 22.45 149.62 111.89 3 25 53 1363.2 -17.73 15.07
 100.00 14 56 56 4582.87 20.26 189.86 149.42 67.54 16 13 18 3982.9 17.04 182.55
 110.00 4 1 51 1748.17 -23.65 4.81 148.31 115.43 4 30 59 1148.2 -20.03 357.54
 110.00 16 4 44 4370.63 23.02 172.42 148.08 64.00 17 17 35 3770.6 19.33 165.22

DIFFERENTIAL CORRECTIONS

TDE .1638 TRA -.6544 TC3 -.6419 BAU .1767
 RDE -.1521 RRA .0155 RC3 -.1684 FAU .19966
 FDE 2.6050 FRA-2.5336 FC3-8.6789 BSP 2410
 BDE .2235 BRA .6546 BC3 .6636 FSP -2480

MID-COURSE EXECUTION ACCURACY

SGT 1038.4 SGR 247.2 SG3 781.3
 RRT .1105 RRF .1998 RTF .8385
 SGB 1067.4 R23 .1023 R13 .8392
 SG1 1038.8 SG2 245.6 TMA 1.60

ORBIT DETERMINATION ACCURACY

ST 328.7 SR 195.4 SS 892.7
 CRT -.6614 CRS .9641 CST -.8305
 LSA 953.4 MSA 184.5 SSA 16.1
 EL1 357.9 EL2 134.6 ALF 154.72

LAUNCH DATE DEC 7 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 311.313

RL 147.37 LAL .00 LOL 74.68 VL 28.097 GAL -7.23 AZL 86.47 MCA 144.51 SMA 131.19 ECC .17553 INC 3.5333 V1 30.232
 RP 108.18 LAP 2.05 LOP 219.25 VP 37.972 GAP .46 AZP 92.88 TAL 218.57 TAP 3.08 RCA 108.16 APO 154.22 V2 35.030
 RC 87.465 GL 22.78 GP -2.23 ZAL 138.15 ZAP 91.31 ETS 357.83 ZAE 167.21 ETE 215.23 ZAC 45.19 ETC 155.22 CLP -91.31

PLANETOCENTRIC CONIC

C3 19.678 VHL 4.436 DLA .71 RAL 289.10 RAD 6567.8 VEL 11.877 PTH 2.11 VHP 2.945 OPA -23.05 RAP 311.53 ECC 1.3239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 50 2232.46 -20.00 42.62 150.27 110.48 2 8 2 1632.5 -17.03 35.20
 90.00 13 39 21 4832.63 18.93 208.80 149.94 68.54 14 59 53 4232.6 15.85 201.48
 100.00 2 52 30 1969.02 -21.03 22.82 149.85 111.75 3 25 19 1369.0 -17.89 15.43
 100.00 15 0 22 4571.31 19.96 189.14 149.50 67.27 16 16 33 3971.3 16.70 181.85
 110.00 4 1 30 1753.04 -23.80 5.12 148.55 115.30 4 30 43 1153.0 -20.19 357.83
 110.00 16 7 51 4360.05 22.70 171.76 148.16 63.73 17 20 31 3760.0 18.99 164.59

DIFFERENTIAL CORRECTIONS

TDE .2220 TRA -.7186 TC3 -.8409 BAU .2253
 RDE -.1391 RRA .0168 RC3 -.1614 FAU .20199
 FDE 2.6301 FRA-2.5283 FC3-8.8866 BSP 3093
 BDE .2620 BRA .7188 BC3 .8563 FSP -2552

MID-COURSE EXECUTION ACCURACY

SGT 1225.0 SGR 230.8 SG3 793.6
 RRT .1246 RRF .2114 RTF .8788
 SGB 1246.5 R23 .0987 R13 .8793
 SG1 1225.3 SG2 228.9 TMA 1.39

ORBIT DETERMINATION ACCURACY

ST 400.4 SR 179.8 SS 901.6
 CRT -.7394 CRS .9662 CST -.8828
 LSA 985.8 MSA 183.2 SSA 15.2
 EL1 423.7 EL2 114.4 ALF 160.12

LAUNCH DATE DEC 7 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 317.614

RL 147.37 LAL .00 LOL 74.68 VL 28.083 GAL -7.13 AZL 86.45 HCA 147.72 SMA 131.08 ECC .17501 INC 3.5514 V1 30.232
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.949 GAP .86 AZP 93.00 TAL 218.07 TAP 5.79 RCA 108.14 APO 154.02 V2 35.016
 RC 89.783 GL 23.05 GP -2.42 ZAL 137.62 ZAP 96.48 ETS 357.52 ZAE 164.07 ETE 206.88 ZAC 43.46 ETC 154.08 CLP -96.48

PLANETOCENTRIC CONIC

C3 19.435 VHL 4.409 DLA 1.04 RAL 289.52 RAD 6567.8 VEL 11.867 PTH 2.11 VHP 2.951 OPA -23.67 RAP 309.48 ECC 1.3199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 4 2239.73 -20.17 43.08 150.58 110.31 2 7 24 1639.7 -17.23 35.64
 90.00 13 43 28 4819.47 18.60 207.97 150.10 68.26 15 3 48 4219.5 15.49 200.68
 100.00 2 51 53 1975.80 -21.20 23.25 150.15 111.58 3 24 49 1375.8 -18.08 15.84
 100.00 15 4 20 4558.64 19.62 188.35 149.65 66.99 16 20 18 3958.6 16.34 181.09
 110.00 4 1 14 1758.72 -23.96 5.48 148.86 115.14 4 30 33 1158.7 -20.37 358.17
 110.00 16 11 28 4348.47 22.35 171.04 148.30 63.44 17 23 57 3748.5 18.60 163.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2809 TRA -.7827 TC3-1.0455 BAU .2746 SGT 1420.6 SGR 213.6 SG3 794.8 ST 476.7 SR 163.8 SS 908.5
 RDE -.1259 RRA .0183 RC3 -.1534 FAU .20141 RRT .1343 RRF .2207 RTF .9039 CRT -.7915 CRS .9693 CST -.9128
 FDE 2.6330 FRA-2.4739 FC3-8.9717 BSP 3791 SGB 1436.6 R23 .0975 R13 .9042 LSA 1022.7 MSA 182.1 SSA 14.2
 BDE .3078 BRA .7829 BC3 1.0567 FSP -2572 SG1 1420.9 SG2 211.6 THA 1.18 EL1 494.7 EL2 96.5 ALF 164.17

LAUNCH DATE DEC 7 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 323.888

RL 147.37 LAL .00 LOL 74.68 VL 28.065 GAL -7.03 AZL 86.43 HCA 150.92 SMA 130.95 ECC .17456 INC 3.5729 V1 30.232
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.924 GAP 1.25 AZP 93.12 TAL 217.49 TAP 8.41 RCA 108.09 APO 153.81 V2 35.003
 RC 92.112 GL 23.34 GP -2.63 ZAL 137.00 ZAP 101.42 ETS 357.18 ZAE 160.87 ETE 201.62 ZAC 41.96 ETC 152.94 CLP -101.43

PLANETOCENTRIC CONIC

C3 19.189 VHL 4.381 DLA 1.41 RAL 290.01 RAD 6567.8 VEL 11.856 PTH 2.10 VHP 2.974 OPA -24.25 RAP 307.67 ECC 1.3158
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 17 2248.20 -20.37 43.62 150.96 110.11 2 6 45 1648.2 -17.45 36.17
 90.00 13 46 11 4804.97 18.23 207.07 150.31 67.95 15 8 16 4205.0 15.08 199.81
 100.00 2 51 17 1983.71 -21.40 23.75 150.54 111.38 3 24 20 1383.7 -18.30 16.33
 100.00 15 8 52 4544.69 19.25 187.48 149.87 66.68 16 24 37 3944.7 15.93 180.26
 110.00 4 1 2 1765.40 -24.15 5.90 149.26 114.96 4 30 27 1165.4 -20.59 358.58
 110.00 16 15 37 4335.77 21.96 170.26 148.51 63.12 17 27 52 3735.8 18.18 163.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3401 TRA -.8450 TC3-1.2517 BAU .3233 SGT 1619.5 SGR 195.8 SG3 785.7 ST 555.9 SR 147.1 SS 914.0
 RDE -.1123 RRA .0200 RC3 -.1448 FAU .19807 RRT .1416 RRF .2298 RTF .9199 CRT -.8292 CRS .9733 CST -.9309
 FDE 2.6180 FRA-2.3763 FC3-8.9364 BSP 4487 SGB 1631.3 R23 .0987 R13 .9201 LSA 1064.4 MSA 181.4 SSA 13.0
 BDE .3582 BRA .8452 BC3 1.2601 FSP -2544 SG1 1619.8 SG2 193.8 THA 1.00 EL1 569.4 EL2 80.3 ALF 167.37

LAUNCH DATE DEC 7 1965

FLIGHT TIME 114.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 330.136

RL 147.37 LAL .00 LOL 74.68 VL 28.043 GAL -6.92 AZL 86.40 HCA 154.12 SMA 130.79 ECC .17418 INC 3.5993 V1 30.232
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.896 GAP 1.62 AZP 93.24 TAL 216.84 TAP 10.95 RCA 108.01 APO 153.58 V2 34.990
 RC 94.449 GL 23.68 GP -2.89 ZAL 136.30 ZAP 106.09 ETS 356.81 ZAE 157.75 ETE 198.17 ZAC 40.73 ETC 151.82 CLP -106.11

PLANETOCENTRIC CONIC

C3 18.943 VHL 4.352 DLA 1.83 RAL 290.57 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 3.013 OPA -24.80 RAP 306.13 ECC 1.3118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 24 2258.17 -20.60 44.26 151.42 109.87 2 6 2 1658.2 -17.71 36.78
 90.00 13 53 32 4788.91 17.82 206.07 150.59 67.62 15 13 21 4188.9 14.63 198.84
 100.00 2 50 36 1993.05 -21.63 24.35 151.00 111.15 3 23 49 1393.1 -18.56 16.90
 100.00 15 14 1 4529.26 18.83 186.52 150.14 66.34 16 29 31 3929.3 15.47 179.34
 110.00 4 0 47 1773.34 -24.38 6.41 149.74 114.74 4 30 21 1173.3 -20.84 359.05
 110.00 16 20 19 4321.74 21.53 169.41 148.77 62.78 17 32 21 3721.7 17.71 162.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3987 TRA -.9049 TC3-1.4581 BAU .3709 SGT 1818.5 SGR 178.0 SG3 770.3 ST 636.2 SR 129.8 SS 913.8
 RDE -.0984 RRA .0214 RC3 -.1366 FAU .19331 RRT .1528 RRF .2471 RTF .9307 CRT -.8578 CRS .9772 CST -.9429
 FDE 2.5728 FRA-2.2615 FC3-8.8345 BSP 5183 SGB 1827.2 R23 .1048 R13 .9308 LSA 1106.4 MSA 180.2 SSA 11.7
 BDE .4106 BRA .9051 BC3 1.4645 FSP -2510 SG1 1818.7 SG2 175.9 THA .87 EL1 646.0 EL2 65.7 ALF 169.97

LAUNCH DATE DEC 7 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 336.360

RL 147.37 LAL .00 LOL 74.68 VL 28.019 GAL -6.80 AZL 86.37 HCA 157.32 SMA 130.62 ECC .17387 INC 3.6325 V1 30.232
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.865 GAP 1.98 AZP 93.35 TAL 216.11 TAP 13.42 RCA 107.91 APO 153.33 V2 34.977
 RC 96.794 GL 24.05 GP -3.21 ZAL 135.51 ZAP 110.49 ETS 356.39 ZAE 154.78 ETE 195.85 ZAC 39.79 ETC 150.72 CLP -110.52

PLANETOCENTRIC CONIC

C3 18.702 VHL 4.325 DLA 2.31 RAL 291.20 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 3.065 OPA -25.34 RAP 304.89 ECC 1.3078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 19 2270.12 -20.88 45.03 151.96 109.58 2 5 9 1670.1 -18.02 37.52
 90.00 13 59 36 4770.93 17.35 204.96 150.93 67.26 15 19 7 4170.9 14.12 197.77
 100.00 2 49 44 2004.27 -21.90 25.07 151.56 110.87 3 23 8 1404.3 -18.87 17.59
 100.00 15 19 52 4512.00 18.35 185.46 150.47 65.98 16 35 4 3912.0 14.95 178.32
 110.00 4 0 27 1782.94 -24.65 7.02 150.31 114.47 4 30 10 1182.9 -21.14 359.63
 110.00 16 25 39 4306.10 21.04 168.46 149.09 62.41 17 37 25 3706.1 17.18 161.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4582 TRA -.9603 TC3-1.6602 BAU .4163 SGT 2012.9 SGR 160.3 SG3 747.8 ST 718.6 SR 111.3 SS 915.1
 RDE -.0837 RRA .0224 RC3 -.1293 FAU .18665 RRT .1718 RRF .2750 RTF .9377 CRT -.8825 CRS .9817 CST -.9510
 FDE 2.5236 FRA-2.1176 FC3-8.6405 BSP 5845 SGB 2019.3 R23 .1146 R13 .9378 LSA 1155.0 MSA 179.5 SSA 10.4
 BDE .4658 BRA .9606 BC3 1.6652 FSP -2437 SG1 2013.1 SG2 157.9 THA .79 EL1 725.3 EL2 51.9 ALF 172.17

LAUNCH DATE DEC 7 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 342.559

RL 147.37 LAL .00 LOL 74.68 VL 27.992 GAL -6.67 AZL 86.32 HCA 160.51 SMA 130.42 ECC .17362 INC 3.6759 V1 30.232
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.833 GAP 2.32 AZP 93.47 TAL 215.31 TAP 15.82 RCA 107.78 APO 153.07 V2 34.964
 RC 99.145 GL 24.50 GP -3.63 ZAL 134.62 ZAP 114.60 ETS 355.89 ZAE 151.99 ETE 194.32 ZAC 39.15 ETC 149.65 CLP-114.65

PLANETOCENTRIC CONIC

C3 18.473 VHL 4.298 DLA 2.87 RAL 291.89 RAD 6567.7 VEL 11.826 PTH 2.09 VHP 3.130 DPA -25.93 RAP 303.96 ECC 1.3040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 51 2284.78 -21.21 45.98 152.60 109.22 2 3 56 1684.8 -18.39 38.43
 90.00 14 6 33 4750.49 16.81 203.70 151.33 66.87 15 25 43 4150.5 13.53 196.56
 100.00 2 48 32 2018.08 -22.24 25.96 152.20 110.51 3 22 10 1418.1 -19.24 18.45
 100.00 15 26 33 4492.42 17.81 184.27 150.87 65.59 16 41 26 3892.4 14.36 177.17
 110.00 3 59 51 1794.85 -24.99 7.79 150.97 114.12 4 29 46 1194.9 -21.51 .36
 110.00 16 31 43 4288.41 20.47 167.39 149.48 62.01 17 43 12 3688.4 16.57 160.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5181 TRA-1.0122 TC3-1.8581 BAU .4599 SGT 2203.0 SGR 143.6 SG3 722.0 ST 802.2 SR 91.4 SS 914.1
 ROE -.0682 RRA .0227 RC3 -.1245 FAU .17927 RRT .2124 RRF .3290 RTF .9426 CRT -.9042 CRS .9858 CST -.9570
 FDE 2.4608 FRA-1.9692 FC3-8.4015 BSP 6498 SGB 2207.7 R23 .1310 R13 .9427 LSA 1206.5 MSA 178.3 SSA 9.0
 BDE .5225 BRA 1.0124 BC3 1.8623 FSP -2364 SG1 2203.2 SG2 140.3 THA .80 EL1 806.5 EL2 38.8 ALF 174.10

LAUNCH DATE DEC 7 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 348.735

RL 147.37 LAL .00 LOL 74.68 VL 27.962 GAL -6.53 AZL 86.26 HCA 163.70 SMA 130.21 ECC .17343 INC 3.7356 V1 30.232
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.800 GAP 2.66 AZP 93.59 TAL 214.45 TAP 18.15 RCA 107.63 APO 152.79 V2 34.951
 RC 101.502 GL 25.05 GP -4.21 ZAL 133.62 ZAP 118.42 ETS 355.24 ZAE 149.38 ETE 193.44 ZAC 38.86 ETC 148.56 CLP-118.50

PLANETOCENTRIC CONIC

C3 18.269 VHL 4.274 DLA 3.56 RAL 292.63 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 3.204 DPA -26.62 RAP 303.36 ECC 1.3007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 43 2303.45 -21.62 47.19 153.36 108.74 2 2 6 1703.5 -18.86 39.60
 90.00 14 14 37 4726.62 16.16 202.25 151.79 66.43 15 33 23 4126.6 12.84 195.15
 100.00 2 46 43 2035.72 -22.65 27.11 152.97 110.04 3 20 39 1435.7 -19.72 19.54
 100.00 15 34 17 4469.59 17.16 182.88 151.33 65.14 16 48 47 3869.6 13.67 175.83
 110.00 3 58 47 1810.18 -25.41 8.78 151.76 113.67 4 28 57 1210.2 -21.99 1.29
 110.00 16 38 43 4267.89 19.81 166.17 149.92 61.56 17 49 51 3667.9 15.86 159.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5806 TRA-1.0598 TC3-2.0484 BAU .5012 SGT 2387.0 SGR 129.4 SG3 692.5 ST 889.3 SR 69.1 SS 916.5
 ROE -.0510 RRA .0221 RC3 -.1238 FAU .17093 RRT .2907 RRF .4242 RTF .9457 CRT -.9261 CRS .9898 CST -.9614
 FDE 2.4045 FRA-1.8097 FC3-8.1002 BSP 7122 SGB 2390.5 R23 .1552 R13 .9458 LSA 1266.5 MSA 178.0 SSA 7.5
 BDE .5829 BRA 1.0600 BC3 2.0521 FSP -2268 SG1 2387.3 SG2 123.8 THA .91 EL1 891.6 EL2 26.0 ALF 175.88

LAUNCH DATE DEC 7 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 354.889

RL 147.37 LAL .00 LOL 74.68 VL 27.930 GAL -6.38 AZL 86.18 HCA 166.89 SMA 129.98 ECC .17330 INC 3.8230 V1 30.232
 RP 108.46 LAP .87 LOP 241.60 VP 37.765 GAP 2.98 AZP 93.72 TAL 213.53 TAP 20.42 RCA 107.46 APO 152.51 V2 34.939
 RC 103.862 GL 25.77 GP -5.08 ZAL 132.48 ZAP 121.94 ETS 354.33 ZAE 146.93 ETE 193.20 ZAC 38.94 ETC 147.34 CLP-122.08

PLANETOCENTRIC CONIC

C3 18.117 VHL 4.258 DLA 4.43 RAL 293.41 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 3.288 DPA -27.54 RAP 303.10 ECC 1.2982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 19 2328.65 -22.16 48.84 154.26 108.09 1 59 8 1728.6 -19.48 41.19
 90.00 14 24 16 4697.52 15.36 200.49 152.33 65.92 15 42 34 4097.5 11.98 193.44
 100.00 2 43 45 2059.58 -23.20 28.67 153.88 109.40 3 18 4 1459.6 -20.34 21.04
 100.00 15 43 32 4441.83 16.36 181.21 151.86 64.63 16 57 34 3841.8 12.81 174.22
 110.00 3 56 45 1831.07 -25.97 10.14 152.70 113.05 4 27 16 1231.1 -22.63 2.58
 110.00 16 47 1 4243.09 19.00 164.70 150.43 61.04 17 57 44 3643.1 15.00 157.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6495 TRA-1.1037 TC3-2.2255 BAU .5400 SGT 2564.0 SGR 122.2 SG3 661.5 ST 983.6 SR 42.9 SS 921.7
 ROE -.0312 RRA .0198 RC3 -.1311 FAU .16230 RRT .4301 RRF .5811 RTF .9479 CRT -.9510 CRS .9901 CST -.9654
 FDE 2.3540 FRA-1.6550 FC3-7.7558 BSP 7719 SGB 2566.9 R23 .1913 R13 .9480 LSA 1336.9 MSA 177.0 SSA 5.9
 BDE .6502 BRA 1.1039 BC3 2.2294 FSP -2177 SG1 2564.6 SG2 110.3 THA 1.18 EL1 984.4 EL2 13.3 ALF 177.62

LAUNCH DATE DEC 7 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 361.020

RL 147.37 LAL .00 LOL 74.68 VL 27.897 GAL -6.23 AZL 86.03 HCA 170.08 SMA 129.74 ECC .17324 INC 3.9657 V1 30.232
 RP 108.50 LAP .68 LOP 244.79 VP 37.728 GAP 3.29 AZP 93.91 TAL 212.55 TAP 22.63 RCA 107.27 APO 152.22 V2 34.926
 RC 106.225 GL 26.82 GP -6.49 ZAL 131.11 ZAP 125.15 ETS 352.89 ZAE 144.53 ETE 193.80 ZAC 39.55 ETC 145.73 CLP-125.42

PLANETOCENTRIC CONIC

C3 18.076 VHL 4.252 DLA 5.63 RAL 294.22 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 3.382 DPA -28.96 RAP 303.22 ECC 1.2975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 26 2365.98 -22.93 51.31 155.41 107.08 1 53 52 1766.0 -20.38 43.57
 90.00 14 36 37 4659.13 14.28 198.18 152.96 65.29 15 54 16 4059.1 10.83 191.21
 100.00 2 38 26 2095.02 -23.98 31.01 155.04 108.40 3 13 21 1495.0 -21.24 23.29
 100.00 15 55 18 4405.32 15.28 179.03 152.48 63.99 17 8 43 3805.3 11.66 172.11
 110.00 3 52 47 1862.35 -26.79 12.20 153.90 112.07 4 23 49 1262.3 -23.56 4.53
 110.00 16 57 26 4210.76 17.93 162.81 151.02 60.40 18 7 37 3610.8 13.85 156.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7322 TRA-1.1461 TC3-2.3803 BAU .5764 SGT 2734.8 SGR 132.1 SG3 627.9 ST 1092.8 SR 10.4 SS 937.4
 ROE -.0056 RRA .0151 RC3 -.1532 FAU .15296 RRT .6217 RRF .7776 RTF .9491 CRT -.8773 CRS .7929 CST -.9692
 FDE 2.3330 FRA-1.5002 FC3-7.3259 BSP 8283 SGB 2738.0 R23 .2384 R13 .9494 LSA 1428.9 MSA 176.7 SSA 4.4
 BDE .7322 BRA 1.1462 BC3 2.3853 FSP -2066 SG1 2736.0 SG2 103.4 THA 1.72 EL1 1092.8 EL2 5.0 ALF 179.52

LAUNCH DATE DEC 7 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.861 GAL -6.07 AZL 85.76 HCA 173.27 SMA 129.49 ECC .17323 INC 4.2413 V1 30.232
 RP 108.54 LAP .50 LOP 247.97 VP 37.691 GAP 3.59 AZP 94.21 TAL 211.52 TAP 24.79 RCA 107.06 APO 151.93 V2 34.914
 RC 108.588 GL 28.60 GP -9.24 ZAL 129.32 ZAP 127.94 ETS 350.19 ZAE 141.92 ETE 195.97 ZAC 41.11 ETC 143.06 CLP-128.53

PLANETOCENTRIC CONIC
 C3 18.327 VHL 4.281 DLA 7.59 RAL 294.99 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 3.495 DPA -31.65 RAP 303.88 ECC 1.3016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 26 2431.37 -24.17 55.70 157.07 105.22 1 42 57 1831.4 -21.85 47.80
 90.00 14 54 45 4600.17 12.58 194.70 153.77 64.42 16 11 25 4000.2 9.03 187.81
 100.00 2 27 25 2157.25 -23.25 35.20 156.73 106.55 3 3 22 1557.2 -22.75 27.30
 100.00 16 12 26 4349.54 13.59 175.76 153.26 63.12 17 24 56 3749.5 9.87 168.93
 110.00 3 44 0 1917.59 -28.15 15.92 155.65 110.25 4 15 58 1317.6 -25.13 8.05
 110.00 17 12 21 4161.95 16.26 160.01 151.75 59.51 18 21 43 3562.0 12.09 153.38

MID-COURSE EXECUTION ACCURACY
 SGT 2901.7 SGR 185.4 SG3 590.6
 RRT .7901 RRF .9251 RTF .9503
 SGB 2907.6 R23 .2824 R13 .9508
 SG1 2905.4 SG2 113.5 THA 2.89

ORBIT DETERMINATION ACCURACY
 ST 1237.9 SR 47.1 SS 970.1
 CRT .9035 CRS -.9762 CST -.9740
 LSA 1563.7 MSA 174.9 SSA 2.8
 EL1 1238.7 EL2 20.2 ALF 1.97

DIFFERENTIAL CORRECTIONS
 TDE .8501 TRA-1.1944 TC3-2.4844 BAU .6109
 RDE .0349 RRA .0044 RC3 -.2094 FAU .14281
 FDE 2.3607 FRA-1.3636 FC3-6.7460 BSP 8834
 BDE .8508 BRA 1.1944 BC3 2.4932 FSP -1952

LAUNCH DATE DEC 7 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.824 GAL -5.89 AZL 84.99 HCA 176.45 SMA 129.24 ECC .17328 INC 5.0084 V1 30.232
 RP 108.58 LAP .31 LOP 251.15 VP 37.653 GAP 3.88 AZP 95.00 TAL 210.44 TAP 26.89 RCA 106.84 APO 151.63 V2 34.903
 RC 110.951 GL 32.89 GP -16.70 ZAL 126.15 ZAP 129.41 ETS 343.12 ZAE 137.54 ETE 202.62 ZAC 45.81 ETC 136.89 CLP-131.51

PLANETOCENTRIC CONIC
 C3 19.805 VHL 4.450 DLA 12.06 RAL 295.47 RAD 6567.8 VEL 11.882 PTH 2.11 VHP 3.694 DPA -38.93 RAP 305.87 ECC 1.3259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 28 17 2595.99 -26.63 67.12 160.62 100.01 1 11 33 1996.0 -24.97 58.84
 90.00 15 32 43 4472.17 8.71 187.28 155.34 62.95 16 47 15 3872.2 5.01 180.55
 100.00 1 55 47 2313.81 -27.83 46.11 160.36 101.36 2 34 21 1713.8 -25.98 37.80
 100.00 16 47 54 4229.58 9.79 168.87 154.77 61.62 17 58 24 3629.6 5.93 162.22
 110.00 3 17 55 2056.78 -31.03 25.73 159.50 105.11 3 52 12 1456.8 -28.65 17.34
 110.00 17 42 15 4059.37 12.64 154.27 153.08 57.97 18 49 54 3459.4 8.31 147.84

MID-COURSE EXECUTION ACCURACY
 SGT 3075.6 SGR 367.9 SG3 530.8
 RRT .8822 RRF .9822 RTF .9520
 SGB 3097.6 R23 .2967 R13 .9538
 SG1 3092.8 SG2 172.3 THA 6.04

ORBIT DETERMINATION ACCURACY
 ST 1505.2 SR 179.6 SS 1053.8
 CRT .9597 CRS -.9958 CST -.9813
 LSA 1838.2 MSA 171.4 SSA 1.4
 EL1 1515.1 EL2 50.1 ALF 6.54

DIFFERENTIAL CORRECTIONS
 TDE 1.0999 TRA-1.2816 TC3-2.4116 BAU .6456
 RDE .1391 RRA -.0265 RC3 -.3590 FAU .12700
 FDE 2.5337 FRA-1.2434 FC3-5.5515 BSP 9470
 BDE 1.1087 BRA 1.2819 BC3 2.4382 FSP -1767

LAUNCH DATE DEC 7 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.786 GAL -5.71 AZL 71.31 HCA 179.62 SMA 128.97 ECC .17338 INC18.6262 V1 30.232
 RP 108.61 LAP .12 LOP 254.32 VP 37.614 GAP 4.16 AZP 108.69 TAL 209.31 TAP 28.93 RCA 106.61 APO 151.33 V2 34.892
 RC 113.313 GL 61.75 GP -73.94 ZAL 104.58 ZAP 104.23 ETS 286.26 ZAE 95.09 ETE 200.02 ZAC 88.77 ETC 93.73 CLP-152.68

PLANETOCENTRIC CONIC
 C3 101.201 VHL 10.060 DLA 42.03 RAL 295.51 RAD 6570.0 VEL 14.918 PTH 2.69 VHP 10.302 DPA -81.48 RAP 89.88 ECC 2.6655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.55 16 26 13 4588.62 -12.16 209.73 191.69 49.46 17 42 42 3988.6 -17.28 203.79
 122.45 23 31 12 3270.37 -12.15 108.69 191.68 49.45 24 25 42 2670.4 -17.27 102.75
 57.55 16 26 13 4588.62 -12.16 209.73 191.69 49.46 17 42 42 3988.6 -17.28 203.79
 122.45 23 31 12 3270.37 -12.15 108.69 191.68 49.45 24 25 42 2670.4 -17.27 102.75
 57.55 16 26 13 4588.62 -12.16 209.73 191.69 49.46 17 42 42 3988.6 -17.28 203.79
 122.45 23 31 12 3270.37 -12.15 108.69 191.68 49.45 24 25 42 2670.4 -17.27 102.75

MID-COURSE EXECUTION ACCURACY
 SGT 4036.1 SGR 704.6 SG3 117.6
 RRT -.8297 RRF -.7567 RTF .9928
 SGB 4097.1 R23 -.1339 R13 -.9910
 SG1 4078.6 SG2 389.2 THA 171.68

ORBIT DETERMINATION ACCURACY
 ST 3951.8 SR 521.6 SS 1204.4
 CRT -.9786 CRS .9712 CST -.9994
 LSA 4172.0 MSA 114.6 SSA .9
 EL1 3994.6 EL2 106.5 ALF 172.65

DIFFERENTIAL CORRECTIONS
 TDE 6.9518 TRA -.5939 TC3 .3167 BAU .4626
 RDE -.8891 RRA .5423 RC3 -.1288 FAU-.00856
 FDE 2.3758 FRA -.0071 FC3 .0732 BSP 28686
 BDE 7.0084 BRA .8043 BC3 .3419 FSP 724

LAUNCH DATE DEC 7 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.746 GAL -5.52 AZL 88.65 HCA 182.81 SMA 128.69 ECC .17359 INC 1.3503 V1 30.232
 RP 108.64 LAP -.07 LOP 257.50 VP 37.575 GAP 4.45 AZP 91.35 TAL 208.15 TAP 30.97 RCA 106.35 APO 151.03 V2 34.881
 RC 115.673 GL 10.33 GP 19.66 ZAL 132.08 ZAP 133.33 ETS 17.15 ZAE 137.00 ETE 160.43 ZAC 34.17 ETC 180.99 CLP-136.77

PLANETOCENTRIC CONIC
 C3 13.248 VHL 3.640 DLA -9.69 RAL 301.67 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 3.966 DPA -2.95 RAP 300.00 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 55 1815.22 -8.31 17.59 155.87 117.17 4 10 10 1215.2 -4.60 10.87
 90.00 13 10 33 5069.86 24.07 224.28 159.20 74.62 14 35 2 4469.9 21.73 216.39
 100.00 4 56 30 1568.18 -9.23 358.93 155.37 118.56 5 22 38 968.2 -5.35 352.30
 100.00 14 36 39 4792.13 25.08 203.53 158.88 73.17 15 56 31 4192.1 22.53 195.66
 110.00 5 53 53 1388.45 -11.66 343.84 153.92 122.36 6 17 2 788.4 -7.31 337.46
 110.00 15 53 45 4544.64 27.74 183.72 157.86 69.18 17 11 29 3944.6 24.66 175.91

MID-COURSE EXECUTION ACCURACY
 SGT 3296.8 SGR 675.7 SG3 476.7
 RRT -.9524 RRF -.9991 RTF .9443
 SGB 3365.3 R23 .3163 R13 -.9480
 SG1 3359.2 SG2 202.2 THA 168.91

ORBIT DETERMINATION ACCURACY
 ST 557.9 SR 98.4 SS 355.7
 CRT -.8247 CRS .9938 CST -.7602
 LSA 627.3 MSA 200.2 SSA 3.1
 EL1 563.9 EL2 55.0 ALF 171.65

DIFFERENTIAL CORRECTIONS
 TDE .1963 TRA -.9525 TC3-3.9956 BAU .7256
 RDE -.0571 RRA .0720 RC3 .9063 FAU .11298
 FDE .9534 FRA -.5161 FC3-7.3832 BSP 10332
 BDE .2044 BRA .9552 BC3 4.0970 FSP -1546

LAUNCH DATE DEC 7 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.706 GAL -5.33 AZL 87.56 HCA 185.99 SMA 128.41 ECC .17384 INC 2.4379 V1 30.232
 RP 108.68 LAP -.25 LOP 260.67 VP 37.535 GAP 4.72 AZP 92.42 TAL 206.94 TAP 32.93 RCA 106.09 APO 150.74 V2 34.870
 RC 118.029 GL 18.29 GP 9.24 ZAL 128.74 ZAP 138.04 ETS 8.03 ZAE 138.01 ETE 172.01 ZAC 35.94 ETC 166.08 CLP-138.88

PLANETOCENTRIC CONIC
 C3 13.981 VHL 3.739 DLA -1.56 RAL 301.57 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 3.903 DPA -13.04 RAP 302.82 ECC 1.2301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 23 2083.89 -16.20 33.37 157.09 113.55 3 12 7 1483.9 -12.88 26.27
 90.00 14 12 16 4824.71 18.73 208.30 157.67 68.37 15 32 41 4224.7 15.63 201.00
 100.00 3 58 0 1823.84 -17.11 13.82 156.67 114.89 4 28 24 1223.8 -13.61 6.78
 100.00 15 34 20 4559.99 19.66 188.43 157.27 67.02 16 50 20 3960.0 16.38 181.17
 110.00 5 4 35 1615.44 -19.54 356.71 155.37 118.62 5 31 30 1015.4 -15.57 349.84
 110.00 16 44 15 4341.16 22.13 170.59 156.04 63.25 17 56 36 3741.2 18.36 163.49

DIFFERENTIAL CORRECTIONS
 TDE .5241 TRA-1.0587 TC3-3.9494 BAU .7440
 RDE -.0472 RRA .0553 RC3 .4954 FAU .11568
 FDE 1.1405 FRA -.5824 FC3-7.1633 BSP 10844
 BDE .5262 BRA 1.0601 BC3 3.9803 FSP -1623

MID-COURSE EXECUTION ACCURACY
 SGT 3464.3 SGR 386.9 SG3 492.9
 RRT -.9623 RRF -.9908 RTF .9448
 SGB 3485.9 R23 .2968 R13 -.9458
 SG1 3484.3 SG2 104.6 THA 173.86

ORBIT DETERMINATION ACCURACY
 ST 943.3 SR 77.5 SS 598.7
 CRT -.9777 CRS .9816 CST -.9244
 LSA 1102.7 MSA 195.9 SSA 3.9
 EL1 946.4 EL2 16.2 ALF 175.41

LAUNCH DATE DEC 7 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.664 GAL -5.12 AZL 87.23 HCA 189.17 SMA 128.13 ECC .17417 INC 2.7714 V1 30.232
 RP 108.71 LAP -.44 LOP 263.84 VP 37.496 GAP 4.98 AZP 92.74 TAL 205.70 TAP 34.86 RCA 105.81 APO 150.44 V2 34.860
 RC 120.382 GL 20.77 GP 5.91 ZAL 126.53 ZAP 140.64 ETS 4.91 ZAE 137.15 ETE 175.69 ZAC 37.73 ETC 162.00 CLP-141.02

PLANETOCENTRIC CONIC
 C3 14.119 VHL 3.758 DLA 1.21 RAL 302.57 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 3.982 DPA -16.13 RAP 304.49 ECC 1.2324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 49 2171.96 -18.51 38.80 158.74 111.82 2 57 1 1572.0 -15.39 31.52
 90.00 14 36 48 4740.95 16.55 203.12 158.29 66.69 15 55 49 4141.0 13.26 195.99
 100.00 3 42 43 1907.77 -19.44 18.97 158.33 113.17 4 14 31 1307.8 -16.14 11.73
 100.00 15 57 34 4480.38 17.47 183.53 157.86 65.35 17 12 15 3880.4 14.00 176.46
 110.00 4 52 16 1690.12 -21.91 1.21 157.10 116.92 5 20 26 1090.1 -18.12 354.13
 110.00 17 4 32 4270.80 19.91 166.34 156.58 61.62 18 15 42 3670.8 15.96 159.44

DIFFERENTIAL CORRECTIONS
 TDE .6564 TRA-1.0794 TC3-4.0490 BAU .7677
 RDE -.0247 RRA .0438 RC3 .3837 FAU .11048
 FDE 1.2695 FRA -.5113 FC3-6.7744 BSP 11252
 BDE .6568 BRA 1.0803 BC3 4.0671 FSP -1569

MID-COURSE EXECUTION ACCURACY
 SGT 3601.5 SGR 298.4 SG3 475.4
 RRT -.9540 RRF -.9704 RTF .9443
 SGB 3613.9 R23 .2300 R13 -.9448
 SG1 3612.8 SG2 89.2 THA 175.48

ORBIT DETERMINATION ACCURACY
 ST 1119.8 SR 43.6 SS 675.0
 CRT -.9926 CRS .9271 CST -.9437
 LSA 1292.9 MSA 192.9 SSA 5.1
 EL1 1120.6 EL2 5.3 ALF 177.79

LAUNCH DATE DEC 7 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.622 GAL -4.90 AZL 87.07 HCA 192.34 SMA 127.84 ECC .17457 INC 2.9345 V1 30.232
 RP 108.74 LAP -.63 LOP 267.01 VP 37.456 GAP 5.24 AZP 92.87 TAL 204.41 TAP 36.75 RCA 105.52 APO 150.16 V2 34.851
 RC 122.731 GL 22.07 GP 4.29 ZAL 124.60 ZAP 142.83 ETS 3.39 ZAE 136.19 ETE 177.34 ZAC 39.29 ETC 160.41 CLP-143.04

PLANETOCENTRIC CONIC
 C3 14.061 VHL 3.750 DLA 2.86 RAL 303.85 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 4.082 DPA -17.50 RAP 305.99 ECC 1.2314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 42 2222.19 -19.75 41.96 160.32 110.71 2 50 44 1622.2 -16.76 34.57
 90.00 14 54 9 4688.93 15.12 199.97 159.27 65.77 16 12 18 4088.9 11.72 192.94
 100.00 3 36 22 1955.51 -20.69 21.96 159.93 112.07 4 8 58 1355.5 -17.51 14.61
 100.00 16 14 9 4430.83 16.03 180.55 158.83 64.43 17 28 0 3830.8 12.46 173.58
 110.00 4 47 40 1732.34 -23.19 3.82 158.73 115.85 5 16 33 1132.3 -19.52 356.60
 110.00 17 19 20 4226.77 18.46 163.74 157.51 60.71 18 29 47 3626.8 14.42 156.96

DIFFERENTIAL CORRECTIONS
 TDE .7430 TRA-1.0773 TC3-4.2010 BAU .7923
 RDE -.0065 RRA .0353 RC3 .3409 FAU .10457
 FDE 1.3057 FRA -.4167 FC3-6.4381 BSP 11670
 BDE .7431 BRA 1.0779 BC3 4.2148 FSP -1500

MID-COURSE EXECUTION ACCURACY
 SGT 3732.5 SGR 261.5 SG3 454.7
 RRT -.9281 RRF -.9364 RTF .9432
 SGB 3741.7 R23 .1623 R13 -.9435
 SG1 3740.4 SG2 97.2 THA 176.28

ORBIT DETERMINATION ACCURACY
 ST 1241.9 SR 20.5 SS 708.7
 CRT -.7866 CRS .5837 CST -.9510
 LSA 1417.0 MSA 192.4 SSA 6.4
 EL1 1242.0 EL2 12.7 ALF 179.26

LAUNCH DATE DEC 7 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.579 GAL -4.68 AZL 86.97 HCA 195.51 SMA 127.55 ECC .17505 INC 3.0318 V1 30.232
 RP 108.76 LAP -.81 LOP 270.17 VP 37.416 GAP 5.49 AZP 92.92 TAL 203.09 TAP 38.61 RCA 105.22 APO 149.88 V2 34.842
 RC 125.075 GL 22.93 GP 3.34 ZAL 122.74 ZAP 144.81 ETS 2.51 ZAE 135.31 ETE 178.21 ZAC 40.79 ETC 159.75 CLP-144.95

PLANETOCENTRIC CONIC
 C3 13.927 VHL 3.732 DLA 4.10 RAL 305.29 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 4.189 DPA -18.19 RAP 307.49 ECC 1.2292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 8 2258.85 -20.62 44.30 161.92 109.85 2 47 46 1658.8 -17.73 36.82
 90.00 15 9 11 4648.05 13.97 197.52 160.42 65.11 16 26 39 4048.1 10.50 190.57
 100.00 3 53 23 1990.28 -21.56 24.17 161.54 111.22 4 6 34 1390.3 -18.49 16.73
 100.00 16 28 36 4391.85 14.88 178.24 159.97 63.77 17 41 48 3791.9 11.23 171.34
 110.00 4 46 3 1762.89 -24.08 5.74 160.38 115.03 5 15 26 1162.9 -20.51 358.42
 110.00 17 32 26 4192.01 17.29 161.73 158.63 60.04 18 42 18 3592.0 13.18 155.03

DIFFERENTIAL CORRECTIONS
 TDE .8092 TRA-1.0657 TC3-4.3847 BAU .8187
 RDE .0092 RRA .0282 RC3 .3247 FAU .09924
 FDE 1.3002 FRA -.3282 FC3-6.1687 BSP 12170
 BDE .8092 BRA 1.0661 BC3 4.3968 FSP -1452

MID-COURSE EXECUTION ACCURACY
 SGT 3865.8 SGR 246.6 SG3 435.8
 RRT -.8884 RRF -.8922 RTF .9425
 SGB 3873.7 R23 .1180 R13 -.9427
 SG1 3872.1 SG2 113.1 THA 176.75

ORBIT DETERMINATION ACCURACY
 ST 1339.8 SR 20.5 SS 726.2
 CRT -.3766 CRS -.6099 CST -.9551
 LSA 1512.0 MSA 191.3 SSA 7.8
 EL1 1339.8 EL2 19.0 ALF .33

LAUNCH DATE DEC 7 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.536 GAL -4.45 AZL 86.90 MCA 198.68 SMA 127.26 ECC .17561 INC 3.0965 V1 30.232
 RP 108.79 LAP -.99 LOP 273.34 VP 37.378 GAP 5.74 AZP 92.93 TAL 201.74 TAP 40.43 RCA 104.91 APO 149.60 V2 34.834
 RC 127.413 GL 23.56 GP 2.71 ZAL 120.86 ZAP 146.64 ETS 1.95 ZAE 134.52 ETE 178.71 ZAC 42.28 ETC 159.55 CLP-146.74

PLANETOCENTRIC CONIC
 C3 13.762 VHL 3.710 DLA 5.17 RAL 306.84 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 4.299 DPA -18.51 RAP 309.05 ECC 1.2265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 18 2289.62 -21.32 46.29 163.58 109.09 2 46 28 1689.6 -18.52 38.74
 90.00 15 23 26 4612.05 12.92 195.39 161.71 64.58 16 40 18 4012.1 9.40 188.49
 100.00 3 32 5 2019.40 -22.27 26.05 163.21 110.48 4 5 44 1419.4 -19.28 18.53
 100.00 16 42 20 4357.51 13.83 176.22 161.26 63.23 17 54 58 3757.5 10.13 169.39
 110.00 4 45 55 1788.34 -24.80 7.37 162.07 114.31 5 15 43 1188.3 -21.31 359.96
 110.00 17 45 0 4161.33 16.24 159.97 159.89 59.50 18 54 21 3561.3 12.07 153.34

DIFFERENTIAL CORRECTIONS
 TOE .8646 TRA-1.0475 TC3-4.5876 BAU .8461 SGT 4001.0 SGR 243.1 SG3 418.8 ST 1425.1 SR 37.9 SS 733.1
 RDE .0232 RRA .0217 RC3 .3209 FAU .09457 RRT -.8402 RRF -.8432 RTF .9425 CRT .7812 CRS -.9132 CST -.9582
 FDE 1.2729 FRA -.2503 FC3-5.9488 BSP 12739 SGB 4008.3 R23 .0930 R13 -.9427 LSA 1591.9 MSA 188.8 SSA 9.1
 BDE .8649 BRA 1.0477 BC3 4.5989 FSP -1422 SG1 4006.2 SG2 131.7 THA 177.07 EL1 1425.4 EL2 23.6 ALF 1.19

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 144.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.492 GAL -4.20 AZL 86.86 MCA 201.85 SMA 126.96 ECC .17626 INC 3.1429 V1 30.232
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.336 GAP 5.98 AZP 92.92 TAL 200.36 TAP 42.21 RCA 104.58 APO 149.34 V2 34.826
 RC 129.747 GL 24.07 GP 2.27 ZAL 118.93 ZAP 148.36 ETS 1.59 ZAE 133.82 ETE 179.02 ZAC 43.82 ETC 159.61 CLP-148.43

PLANETOCENTRIC CONIC
 C3 13.586 VHL 3.686 DLA 6.15 RAL 308.51 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 4.411 DPA -18.62 RAP 310.67 ECC 1.2236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 29 2317.79 -21.93 48.13 163.33 108.37 2 46 6 1717.8 -19.22 40.50
 90.00 15 37 34 4578.25 11.93 193.41 163.13 64.13 16 53 52 3978.2 8.35 186.56
 100.00 3 31 44 2046.01 -22.89 27.78 164.97 109.77 4 5 50 1446.0 -19.99 20.19
 100.00 16 55 59 4325.26 12.84 174.34 162.67 62.77 18 8 5 3725.3 9.09 167.56
 110.00 4 46 40 1811.52 -25.45 8.86 163.85 113.64 5 16 52 1211.5 -22.03 1.38
 110.00 17 57 33 4132.52 15.24 158.34 161.29 59.03 19 6 26 3532.5 11.02 151.77

DIFFERENTIAL CORRECTIONS
 TOE .9476 TRA -.9897 TC3-4.7064 BAU .8568 SGT 4074.5 SGR 240.8 SG3 394.4 ST 1547.9 SR 53.6 SS 772.6
 RDE .0340 RRA .0131 RC3 .3175 FAU .08703 RRT -.7806 RRF -.7765 RTF .9371 CRT .8941 CRS -.9719 CST -.9612
 FDE 1.3014 FRA -.1094 FC3-5.5458 BSP 12563 SGB 4081.6 R23 .0705 R13 -.9372 LSA 1720.0 MSA 192.8 SSA 9.9
 BDE .9482 BRA .9898 BC3 4.7171 FSP -1260 SG1 4078.8 SG2 150.4 THA 177.35 EL1 1548.6 EL2 24.0 ALF 1.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.448 GAL -3.95 AZL 86.82 MCA 205.02 SMA 126.67 ECC .17701 INC 3.1781 V1 30.232
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.297 GAP 6.22 AZP 92.88 TAL 198.95 TAP 43.98 RCA 104.25 APO 149.09 V2 34.819
 RC 132.074 GL 24.49 GP 1.94 ZAL 116.94 ZAP 149.98 ETS 1.34 ZAE 133.19 ETE 179.21 ZAC 45.41 ETC 159.80 CLP-150.04

PLANETOCENTRIC CONIC
 C3 13.415 VHL 3.663 DLA 7.09 RAL 310.28 RAD 6567.5 VEL 11.610 PTH 2.03 VHP 4.525 DPA -18.58 RAP 312.35 ECC 1.2208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 18 2344.84 -22.50 49.91 167.17 107.66 2 46 22 1744.8 -19.88 42.22
 90.00 15 51 50 4545.68 10.95 191.52 164.68 63.72 17 7 35 3945.7 7.34 184.70
 100.00 3 32 2 2071.54 -23.47 29.46 166.82 109.07 4 6 33 1471.5 -20.65 21.79
 100.00 17 9 47 4294.71 11.86 172.55 164.20 62.36 18 21 21 3694.2 8.07 165.82
 110.00 4 48 2 1833.70 -26.04 10.31 165.74 112.97 5 18 35 1233.7 -22.70 2.74
 110.00 18 10 16 4104.82 14.26 156.79 162.81 58.60 19 18 41 3504.8 10.00 150.28

DIFFERENTIAL CORRECTIONS
 TOE .9989 TRA -.9532 TC3-4.9114 BAU .8828 SGT 4200.4 SGR 247.5 SG3 379.5 ST 1629.9 SR 72.0 SS 775.3
 RDE .0457 RRA .0063 RC3 .3231 FAU .08293 RRT -.7260 RRF -.7239 RTF .9371 CRT .9353 CRS -.9862 CST -.9634
 FDE 1.2654 FRA -.0382 FC3-5.3522 BSP 13100 SGB 4207.7 R23 .0618 R13 -.9372 LSA 1796.3 MSA 189.7 SSA 11.1
 BDE .9999 BRA .9532 BC3 4.9221 FSP -1237 SG1 4204.3 SG2 170.0 THA 177.55 EL1 1631.3 EL2 25.5 ALF 2.37

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 27.403 GAL -3.69 AZL 86.79 MCA 208.19 SMA 126.37 ECC .17785 INC 3.2058 V1 30.232
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.258 GAP 6.46 AZP 92.83 TAL 197.52 TAP 45.71 RCA 103.90 APO 148.85 V2 34.812
 RC 134.395 GL 24.84 GP 1.70 ZAL 114.88 ZAP 151.52 ETS 1.18 ZAE 132.63 ETE 179.33 ZAC 47.05 ETC 160.09 CLP-151.56

PLANETOCENTRIC CONIC
 C3 13.255 VHL 3.641 DLA 8.01 RAL 312.14 RAD 6567.5 VEL 11.604 PTH 2.03 VHP 4.642 DPA -18.43 RAP 314.09 ECC 1.2181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 33 2371.74 -23.05 51.69 169.13 106.92 2 47 5 1771.7 -20.51 43.93
 90.00 16 6 27 4513.59 9.98 189.66 166.35 63.36 17 21 40 3913.6 6.33 182.89
 100.00 3 32 46 2096.91 -24.02 31.14 168.80 108.35 4 7 43 1496.9 -21.29 23.41
 100.00 17 23 55 4263.65 10.89 170.80 165.87 61.99 18 34 59 3663.7 7.06 164.11
 110.00 4 49 50 1855.71 -26.62 11.76 167.73 112.28 5 20 46 1255.7 -23.36 4.12
 110.00 18 23 20 4077.61 13.29 155.28 164.46 58.21 19 31 18 3477.6 8.99 148.81

DIFFERENTIAL CORRECTIONS
 TOE 1.0551 TRA -.9043 TC3-5.1003 BAU .9057 SGT 4314.4 SGR 255.7 SG3 364.4 ST 1719.0 SR 89.1 SS 782.8
 RDE .0565 RRA -.0010 RC3 .3293 FAU .07863 RRT -.6714 RRF -.6710 RTF .9363 CRT .9580 CRS -.9903 CST -.9656
 FDE 1.2382 FRA -.0381 FC3-5.1357 BSP 13522 SGB 4322.0 R23 .0556 R13 -.9364 LSA 1881.7 MSA 187.0 SSA 12.3
 BDE 1.0546 BRA .9043 BC3 5.1109 FSP -1197 SG1 4317.9 SG2 189.4 THA 177.72 EL1 1721.2 EL2 25.3 ALF 2.85

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 439.082

RL 147.37 LAL .00 LOL 74.68 VL 27.358 GAL -3.42 AZL 86.77 HCA 211.35 SMA 126.08 ECC .17880 INC 3.2283 V1 30.232
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.220 GAP 6.70 A7P 92.76 TAL 196.06 TAP 47.41 RCA 103.54 APO 148.62 V2 34.806
 RC 136.709 GL 25.13 GP 1.50 ZAL 112.73 ZAP 152.97 ETS 1.08 ZAE 132.14 ETE 179.41 ZAC 48.74 ETC 160.43 CLP-153.01

PLANETOCENTRIC CONIC

C3 13.114 VML 3.621 OLA 8.93 RAL 314.10 RAD 6567.5 VEL 11.597 PTH 2.03 VMP 4.760 OPA -18.19 RAP 315.89 ECC 1.2158
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 9 2399.04 -23.58 53.52 171.22 106.16 2 48 8 1799.0 -21.13 45.69
 90.00 16 21 31 4481.64 9.00 187.83 168.16 63.04 17 36 12 3881.6 5.31 181.09
 100.00 3 33 51 2122.64 -24.56 32.86 170.90 107.59 4 9 13 1522.6 -21.92 25.05
 100.00 17 38 30 4233.27 9.91 169.08 167.67 61.65 18 49 3 3633.3 6.05 162.42
 110.00 4 52 1 1878.02 -27.19 13.25 169.86 111.57 5 23 19 1278.0 -24.01 5.52
 110.00 18 36 49 4050.65 12.32 153.79 166.24 57.86 19 44 20 3450.7 7.99 147.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1135 TRA -.8452 TC3-5.2780 BAU .9272 SGT 4421.4 SGR 265.3 SG3 349.7 ST 1811.6 SR 105.5 SS 791.7
 RDE .0665 RRA -.0086 RC3 .3357 FAU .07440 RRT -.6184 RRF -.6197 RTF .9352 CRT .9739 CRS -.9899 CST -.9677
 FDE 1.2143 FRA .1143 FC3-4.9117 BSP 13896 SGB 4429.3 R23 .0509 R13 -.9353 LSA 1971.2 MSA 184.3 SSA 13.3
 BDE 1.1155 BRA .8452 BC3 5.2887 FSP -1152 SG1 4424.4 SG2 208.3 THA 177.87 EL1 1814.5 EL2 23.9 ALF 3.25

LAUNCH DATE DEC 7 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 444.977

RL 147.37 LAL .00 LOL 74.68 VL 27.313 GAL -3.14 AZL 86.75 HCA 214.52 SMA 125.79 ECC .17987 INC 3.2470 V1 30.232
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.182 GAP 6.93 A7P 92.68 TAL 194.57 TAP 49.09 RCA 103.16 APO 148.41 V2 34.801
 RC 139.015 GL 25.37 GP 1.34 ZAL 110.51 ZAP 154.36 ETS 1.02 ZAE 131.71 ETE 179.45 ZAC 50.49 ETC 160.81 CLP-154.39

PLANETOCENTRIC CONIC

C3 12.996 VML 3.605 OLA 9.86 RAL 316.17 RAD 6567.5 VEL 11.592 PTH 2.03 VMP 4.881 OPA -17.88 RAP 317.75 ECC 1.2139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 0 2427.09 -24.09 55.41 173.45 105.34 2 49 27 1827.1 -21.75 47.52
 90.00 16 37 6 4449.69 8.01 186.00 170.11 62.75 17 51 16 3849.7 4.29 179.29
 100.00 3 35 12 2149.06 -25.09 34.64 173.13 106.80 4 11 2 1549.1 -22.55 26.77
 100.00 17 53 35 4202.95 8.93 167.37 169.62 61.35 19 3 38 3602.9 5.04 160.74
 110.00 4 54 30 1900.92 -27.75 14.79 172.12 110.81 5 26 11 1300.9 -24.67 6.98
 110.00 18 50 47 4023.85 11.34 152.33 168.17 57.54 19 57 51 3423.8 6.98 145.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1744 TRA -.7772 TC3-5.4435 BAU .9476 SGT 4523.2 SGR 275.7 SG3 335.7 ST 1907.7 SR 121.3 SS 801.0
 RDE .0760 RRA -.0165 RC3 .3416 FAU .07036 RRT -.5677 RRF -.5679 RTF .9342 CRT .9837 CRS -.9870 CST -.9698
 FDE 1.1920 FRA .1872 FC3-4.6871 BSP 14239 SGB 4531.6 R23 .0477 R13 -.9343 LSA 2064.6 MSA 181.2 SSA 14.3
 BDE 1.1769 BRA .7774 BC3 5.4542 FSP -1109 SG1 4525.9 SG2 226.8 THA 178.01 EL1 1911.5 EL2 21.8 ALF 3.58

LAUNCH DATE DEC 7 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 450.857

RL 147.37 LAL .00 LOL 74.68 VL 27.268 GAL -2.84 AZL 86.74 HCA 217.68 SMA 125.49 ECC .18105 INC 3.2631 V1 30.232
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.145 GAP 7.17 A7P 92.58 TAL 193.06 TAP 50.75 RCA 102.77 APO 148.21 V2 34.797
 RC 141.312 GL 25.56 GP 1.21 ZAL 108.20 ZAP 155.68 ETS 1.00 ZAE 131.33 ETE 179.48 ZAC 52.29 ETC 161.20 CLP-155.71

PLANETOCENTRIC CONIC

C3 12.906 VML 3.593 OLA 10.78 RAL 318.33 RAD 6567.5 VEL 11.588 PTH 2.03 VMP 5.003 OPA -17.51 RAP 319.65 ECC 1.2124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 5 2456.13 -24.60 57.38 175.81 104.48 2 51 1 1856.1 -22.37 49.42
 90.00 16 53 16 4417.67 7.01 184.18 172.21 62.49 18 6 54 3817.7 3.27 177.50
 100.00 3 36 49 2176.40 -25.62 36.50 175.51 105.95 4 13 5 1576.4 -23.18 28.55
 100.00 18 9 13 4172.63 7.93 165.66 171.71 61.09 19 18 46 3572.6 4.02 159.07
 110.00 4 57 16 1924.62 -28.31 16.40 174.53 110.01 5 29 21 1324.6 -25.33 8.50
 110.00 19 5 15 3997.18 10.37 150.88 170.24 57.24 20 11 52 3397.2 5.98 144.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2365 TRA -.7015 TC3-5.5982 BAU .9678 SGT 4622.2 SGR 286.6 SG3 322.6 ST 2005.0 SR 136.7 SS 809.3
 RDE .0852 RRA -.0246 RC3 .3467 FAU .06655 RRT -.5198 RRF -.5252 RTF .9334 CRT .9899 CRS -.9825 CST -.9718
 FDE 1.1697 FRA .2556 FC3-4.4640 BSP 14584 SGB 4631.1 R23 .0455 R13 -.9334 LSA 2159.1 MSA 177.7 SSA 15.3
 BDE 1.2394 BRA .7019 BC3 5.6089 FSP -1068 SG1 4624.6 SG2 244.7 THA 178.15 EL1 2009.6 EL2 19.3 ALF 3.86

LAUNCH DATE DEC 7 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 456.723

RL 147.37 LAL .00 LOL 74.68 VL 27.223 GAL -2.54 AZL 86.72 HCA 220.85 SMA 125.20 ECC .18235 INC 3.2769 V1 30.232
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.108 GAP 7.41 A7P 92.48 TAL 191.54 TAP 52.38 RCA 102.37 APO 148.03 V2 34.793
 RC 143.598 GL 25.70 GP 1.10 ZAL 105.80 ZAP 156.95 ETS 1.01 ZAE 131.00 ETE 179.50 ZAC 54.14 ETC 161.60 CLP-156.97

PLANETOCENTRIC CONIC

C3 12.850 VML 3.585 OLA 11.72 RAL 320.58 RAD 6567.5 VEL 11.586 PTH 2.03 VMP 5.129 OPA -17.08 RAP 321.59 ECC 1.2115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 21 2486.33 -25.10 59.46 178.33 103.56 2 52 47 1886.3 -22.99 51.42
 90.00 17 10 1 4385.59 5.99 182.37 174.46 62.27 18 23 6 3785.6 2.24 175.71
 100.00 3 38 38 2204.82 -26.14 38.46 178.04 105.05 4 15 23 1604.8 -23.81 30.43
 100.00 18 25 25 4142.33 6.93 163.97 173.95 60.85 19 34 27 3542.3 3.00 157.40
 110.00 5 0 19 1949.23 -28.87 18.10 177.09 109.15 5 32 48 1349.2 -25.99 10.11
 110.00 19 20 13 3970.69 9.39 149.46 172.45 56.98 20 26 24 3370.7 4.97 143.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3048 TRA -.6137 TC3-5.7264 BAU .9856 SGT 4712.5 SGR 297.4 SG3 309.9 ST 2110.7 SR 151.4 SS 820.9
 RDE .0941 RRA -.0329 RC3 .3500 FAU .06274 RRT -.4730 RRF -.4798 RTF .9321 CRT .9935 CRS -.9766 CST -.9739
 FDE 1.1533 FRA .3252 FC3-4.2270 BSP 14836 SGB 4721.9 R23 .0426 R13 -.9322 LSA 2263.0 MSA 174.3 SSA 16.1
 BDE 1.3082 BRA .6146 BC3 5.7371 FSP -1021 SG1 4714.6 SG2 261.9 THA 178.28 EL1 2116.0 EL2 17.2 ALF 4.08

LAUNCH DATE DEC 7 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 462.574

RL 147.37 LAL .00 LOL 74.68 VL 27.178 GAL -2.23 AZL 86.71 HCA 224.01 SMA 124.91 ECC .18380 INC 3.2890 V1 30.232
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.072 GAP 7.64 AZP 92.37 TAL 189.99 TAP 54.00 RCA 101.96 APO 147.87 V2 34.790
 RC 145.874 GL 25.78 GP 1.01 ZAL 103.33 ZAP 158.16 ETS 1.05 ZAE 130.71 ETE 179.51 ZAC 56.03 ETC 161.99 CLP-158.19

PLANETOCENTRIC CONIC

C3 12.832 VML 3.582 DLA 12.66 RAL 322.94 RAD 6567.5 VEL 11.585 PTH 2.03 VMP 3.257 DPA -16.60 RAP 323.57 ECC 1.2112
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 48 2517.76 -25.58 61.63 181.00 102.57 2 54 46 1917.8 -23.60 53.52
 90.00 17 27 21 4353.55 4.98 180.57 176.87 62.09 18 39 54 3753.5 1.20 173.92
 100.00 3 40 40 2234.38 -26.64 40.51 180.72 104.08 4 17 54 1634.4 -24.44 32.40
 100.00 18 42 10 4112.16 5.93 162.29 176.34 60.65 19 50 42 3512.2 1.97 155.74
 110.00 5 3 37 1974.82 -29.43 19.88 179.81 108.22 5 36 32 1374.8 -26.66 11.79
 110.00 19 35 42 3944.49 8.41 148.05 174.82 56.75 20 41 27 3344.5 3.98 141.77

DIFFERENTIAL CORRECTIONS

TOE 1.3716 TRA -.5210 TC3-5.8464 BAU 1.0048
 RDE .1029 RRA -.0411 RC3 .3520 FAU .05935
 FDE 1.1328 FRA .3864 FC3-4.0042 BSP 15173
 BDE 1.3755 BRA .5227 BC3 5.8570 FSP -987

MID-COURSE EXECUTION ACCURACY

SGT 4804.8 SGR 308.6 SG3 298.2
 RRT -.4300 RRF -.4392 RTF .9316
 SGB 4814.7 R23 .0413 R13 -.9316
 SGI 4806.7 SG2 278.5 THA 178.41

ORBIT DETERMINATION ACCURACY

ST 2212.4 SR 166.0 SS 828.4
 CRT .9947 CRS -.9702 CST -.9757
 LSA 2362.0 MSA 170.3 SSA 17.0
 EL1 2218.5 EL2 17.0 ALF 4.27

LAUNCH DATE DEC 7 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 468.411

RL 147.37 LAL .00 LOL 74.68 VL 27.133 GAL -1.90 AZL 86.70 HCA 227.17 SMA 124.63 ECC .18538 INC 3.2999 V1 30.232
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.037 GAP 7.88 AZP 92.24 TAL 188.42 TAP 55.59 RCA 101.52 APO 147.73 V2 34.787
 RC 148.138 GL 25.81 GP .93 ZAL 100.78 ZAP 159.33 ETS 1.11 ZAE 130.46 ETE 179.51 ZAC 57.97 ETC 162.58 CLP-159.35

PLANETOCENTRIC CONIC

C3 12.857 VML 3.586 DLA 13.60 RAL 325.39 RAD 6567.5 VEL 11.586 PTH 2.03 VMP 5.388 DPA -16.07 RAP 325.58 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 25 2550.51 -26.05 63.92 183.83 101.51 2 56 56 1950.5 -24.20 55.73
 90.00 17 45 16 4321.64 3.96 178.77 179.44 61.94 18 57 18 3721.6 .17 172.14
 100.00 3 42 54 2265.15 -27.13 42.66 183.56 103.05 4 20 39 1665.1 -25.07 34.47
 100.00 18 59 28 4082.23 4.93 160.64 178.90 60.48 20 7 30 3482.2 .96 154.10
 110.00 5 7 11 2001.43 -29.98 21.76 182.69 107.24 5 40 32 1401.4 -27.33 13.57
 110.00 19 51 41 3918.71 7.45 146.68 177.35 56.54 20 56 59 3318.7 3.00 140.42

DIFFERENTIAL CORRECTIONS

TOE 1.4413 TRA -.4191 TC3-5.9421 BAU 1.0231
 RDE .1117 RRA -.0494 RC3 .3517 FAU .05610
 FDE 1.1137 FRA .4451 FC3-5.7775 BSP 15485
 BDE 1.4456 BRA .4220 BC3 5.9525 FSP -953

MID-COURSE EXECUTION ACCURACY

SGT 4892.5 SGR 319.5 SG3 287.1
 RRT -.3888 RRF -.4002 RTF .9312
 SGB 4903.0 R23 .0401 R13 -.9312
 SGI 4894.1 SG2 294.3 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 2315.9 SR 180.3 SS 835.6
 CRT .9942 CRS -.9631 CST -.9776
 LSA 2462.9 MSA 166.4 SSA 17.7
 EL1 2322.8 EL2 19.3 ALF 4.43

LAUNCH DATE DEC 7 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 474.232

RL 147.37 LAL .00 LOL 74.68 VL 27.089 GAL -1.57 AZL 86.69 HCA 230.33 SMA 124.34 ECC .18712 INC 3.3097 V1 30.232
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.002 GAP 8.12 AZP 92.11 TAL 186.84 TAP 57.17 RCA 101.08 APO 147.61 V2 34.786
 RC 150.390 GL 25.77 GP .87 ZAL 98.15 ZAP 160.46 ETS 1.18 ZAE 130.24 ETE 179.51 ZAC 59.95 ETC 162.76 CLP-160.48

PLANETOCENTRIC CONIC

C3 12.930 VML 3.596 DLA 14.54 RAL 327.93 RAD 6567.5 VEL 11.589 PTH 2.03 VMP 5.922 DPA -15.50 RAP 327.61 ECC 1.2128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 13 2584.56 -26.49 66.31 186.82 100.39 2 59 17 1984.6 -24.79 58.06
 90.00 18 3 45 4290.03 2.94 177.00 182.17 61.82 19 15 15 3690.0 -.85 170.38
 100.00 3 45 21 2297.10 -27.60 44.92 186.57 101.95 4 23 38 1697.1 -25.68 36.65
 100.00 19 17 18 4052.72 3.94 159.01 181.62 60.34 20 24 50 3452.7 -.04 152.48
 110.00 5 11 1 2029.05 -30.53 23.73 185.73 106.19 5 44 50 1429.1 -28.01 15.44
 110.00 20 8 7 3893.53 6.50 145.35 180.03 56.37 21 13 0 3293.5 2.03 139.11

DIFFERENTIAL CORRECTIONS

TOE 1.5137 TRA -.3077 TC3-6.0127 BAU 1.0411
 RDE .1206 RRA -.0576 RC3 .3491 FAU .05303
 FDE 1.0953 FRA .5019 FC3-3.5510 BSP 15790
 BDE 1.5185 BRA .3131 BC3 6.0229 FSP -922

MID-COURSE EXECUTION ACCURACY

SGT 4977.2 SGR 330.1 SG3 276.6
 RRT -.3493 RRF -.3633 RTF .9309
 SGB 4988.1 R23 .0393 R13 -.9310
 SGI 4978.5 SG2 309.2 THA 178.67

ORBIT DETERMINATION ACCURACY

ST 2420.2 SR 194.5 SS 841.8
 CRT .9922 CRS -.9555 CST -.9793
 LSA 2564.6 MSA 162.6 SSA 18.4
 EL1 2427.9 EL2 24.1 ALF 4.56

LAUNCH DATE DEC 7 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 480.038

RL 147.37 LAL .00 LOL 74.68 VL 27.044 GAL -1.22 AZL 86.68 HCA 233.49 SMA 124.06 ECC .18903 INC 3.3186 V1 30.232
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.969 GAP 8.37 AZP 91.98 TAL 185.24 TAP 58.73 RCA 100.61 APO 147.51 V2 34.785
 RC 152.629 GL 25.67 GP .81 ZAL 95.46 ZAP 161.54 ETS 1.28 ZAE 130.06 ETE 179.52 ZAC 61.96 ETC 163.13 CLP-161.56

PLANETOCENTRIC CONIC

C3 13.057 VML 3.613 DLA 15.47 RAL 330.56 RAD 6567.5 VEL 11.595 PTH 2.03 VMP 5.661 DPA -14.89 RAP 329.67 ECC 1.2149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 11 2619.89 -26.90 68.82 189.96 99.20 3 1 51 2019.9 -25.35 60.49
 90.00 18 22 45 4258.91 1.94 175.27 185.06 61.74 19 33 44 3658.9 -1.85 168.64
 100.00 3 48 0 2330.22 -28.05 47.28 189.73 100.78 4 26 51 1730.2 -26.27 38.93
 100.00 19 35 36 4023.81 2.96 157.42 184.49 60.24 20 42 40 3423.8 -1.02 150.89
 110.00 5 15 7 2057.64 -31.05 25.79 188.94 105.07 5 49 25 1457.6 -28.67 17.40
 110.00 20 24 59 3869.15 5.58 144.06 182.87 56.22 21 29 28 3269.2 1.10 137.83

DIFFERENTIAL CORRECTIONS

TOE 1.5915 TRA -.1847 TC3-6.0430 BAU 1.0566
 RDE .1297 RRA -.0657 RC3 .3437 FAU .04992
 FDE 1.0802 FRA .5585 FC3-3.3098 BSP 16009
 BDE 1.5968 BRA .1960 BC3 6.0528 FSP -885

MID-COURSE EXECUTION ACCURACY

SGT 5053.0 SGR 340.1 SG3 266.3
 RRT -.3100 RRF -.3253 RTF .9304
 SGB 5064.5 R23 .0376 R13 -.9304
 SGI 5054.1 SG2 323.3 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 2528.6 SR 208.4 SS 849.2
 CRT .9890 CRS -.9476 CST -.9809
 LSA 2670.7 MSA 159.4 SSA 19.0
 EL1 2537.0 EL2 30.8 ALF 4.66

LAUNCH DATE DEC 7 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 22 1966

DISTANCE 485.827

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.999 GAL -.86 AZL 86.67 HCA 236.65 SMA 123.78 ECC .19110 INC 3.3269 V1 30.232
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.936 GAP 8.62 AZP 91.83 TAL 183.63 TAP 60.28 RCA 100.13 APO 147.44 V2 34.784
 RC 154.855 GL 25.50 GP .76 ZAL 92.71 ZAP 162.59 ETS 1.39 ZAE 129.90 ETE 179.52 ZAC 64.01 ETC 163.49 CLP-162.61

PLANETOCENTRIC CONIC
 C3 13.244 VHL 3.639 DLA 16.38 RAL 333.27 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 5.803 DPA -14.24 RAP 331.75 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 20 2656.44 -27.27 71.43 193.27 97.94 3 4 37 2056.4 -25.89 63.03
 90.00 18 42 12 4228.51 .96 173.57 188.12 61.70 19 52 41 3628.5 -2.83 166.94
 100.00 3 50 53 2364.43 -28.46 49.74 193.06 99.55 4 30 18 1764.4 -26.85 41.31
 100.00 19 54 20 3995.76 2.01 155.87 187.53 60.17 21 0 56 3395.8 -1.97 149.35
 110.00 5 19 31 2087.13 -31.55 27.94 192.32 103.89 5 54 18 1487.1 -29.32 19.45
 110.00 20 42 12 3845.82 4.69 142.83 185.86 56.10 21 46 18 3245.8 .21 136.62

MID-COURSE EXECUTION ACCURACY
 SGT 5129.1 SGR 349.8 SG3 256.7
 RRT -.2729 RRF -.2897 RTF .9302
 SGB 5141.0 R23 .0361 R13 -.9303
 SGI 5130.0 SG2 336.4 THA 178.93

ORBIT DETERMINATION ACCURACY
 ST 2631.8 SR 222.3 SS 854.2
 CRT .9848 CRS -.9398 CST -.9824
 LSA 2771.4 MSA 156.4 SSA 19.5
 EL1 2640.9 EL2 38.4 ALF 4.76

DIFFERENTIAL CORRECTIONS
 TOE 1.6694 TRA -.0544 TC3-6.0502 BAU 1.0729
 RDE .1392 RRA -.0735 RC3 .3359 FAU .04707
 FDE 1.0642 FRA .6109 FC3-3.0769 BSP 16284
 BOE 1.6752 BRA .0914 BC3 6.0595 FSP -.855

LAUNCH DATE DEC 7 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 24 1966

DISTANCE 491.599

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.955 GAL -.48 AZL 86.67 HCA 239.82 SMA 123.51 ECC .19337 INC 3.3345 V1 30.232
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.904 GAP 8.88 AZP 91.68 TAL 182.00 TAP 61.82 RCA 99.63 APO 147.39 V2 34.785
 RC 157.067 GL 25.26 GP .71 ZAL 89.91 ZAP 163.61 ETS 1.52 ZAE 129.77 ETE 179.53 ZAC 66.08 ETC 163.83 CLP-163.63

PLANETOCENTRIC CONIC
 C3 13.498 VHL 3.674 DLA 17.28 RAL 336.05 RAD 6567.5 VEL 11.614 PTH 2.04 VHP 5.951 DPA -13.56 RAP 333.84 ECC 1.2221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 41 2694.09 -27.59 74.14 196.72 96.62 3 7 36 2094.1 -26.39 65.68
 90.00 19 2 3 4199.11 .01 171.93 191.33 61.68 20 12 2 3599.1 -3.78 165.30
 100.00 3 54 1 2399.60 -28.83 52.29 196.54 98.26 4 34 0 1799.6 -27.39 43.78
 100.00 20 13 25 3968.83 1.10 154.40 190.72 60.13 21 19 34 3368.8 -2.88 147.87
 110.00 5 24 12 2117.41 -32.03 30.18 195.85 102.65 5 59 30 1517.4 -29.95 21.58
 110.00 20 59 43 3823.78 3.86 141.68 189.00 56.01 22 3 27 3223.8 -.63 135.47

MID-COURSE EXECUTION ACCURACY
 SGT 5202.3 SGR 358.9 SG3 247.4
 RRT -.2372 RRF -.2560 RTF .9308
 SGB 5214.7 R23 .0352 R13 -.9309
 SGI 5203.0 SG2 348.6 THA 179.06

ORBIT DETERMINATION ACCURACY
 ST 2729.6 SR 236.2 SS 855.6
 CRT .9801 CRS -.9323 CST -.9838
 LSA 2866.1 MSA 153.6 SSA 19.9
 EL1 2739.4 EL2 46.7 ALF 4.85

DIFFERENTIAL CORRECTIONS
 TOE 1.7480 TRA .0834 TC3-6.0273 BAU 1.0892
 RDE .1492 RRA -.0809 RC3 .3255 FAU .04443
 FDE 1.0461 FRA .6579 FC3-2.8496 BSP 16591
 BOE 1.7544 BRA .1162 BC3 6.0360 FSP -.832

LAUNCH DATE DEC 7 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 26 1966

DISTANCE 497.353

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.911 GAL -.09 AZL 86.66 HCA 242.98 SMA 123.24 ECC .19584 INC 3.3417 V1 30.232
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.873 GAP 9.14 AZP 91.52 TAL 180.36 TAP 63.34 RCA 99.10 APO 147.37 V2 34.786
 RC 159.265 GL 24.95 GP .68 ZAL 87.08 ZAP 164.60 ETS 1.67 ZAE 129.66 ETE 179.53 ZAC 68.19 ETC 164.15 CLP-164.62

PLANETOCENTRIC CONIC
 C3 13.826 VHL 3.718 DLA 18.15 RAL 338.90 RAD 6567.5 VEL 11.628 PTH 2.04 VHP 6.103 DPA -12.84 RAP 335.95 ECC 1.2275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 16 2732.70 -27.87 76.93 200.32 95.25 3 10 48 2132.7 -26.85 68.41
 90.00 19 22 12 4171.00 -.90 170.36 194.70 61.70 20 31 43 3571.0 -4.67 163.72
 100.00 3 57 23 2435.61 -29.15 54.92 200.16 96.91 4 37 59 1835.6 -27.89 46.34
 100.00 20 32 46 3943.32 .23 153.00 194.07 60.11 21 38 29 3343.3 -3.74 146.47
 110.00 5 29 12 2148.37 -32.46 32.48 199.54 101.35 6 5 0 1548.4 -30.56 23.78
 110.00 21 17 27 3803.33 3.08 140.61 192.29 55.94 22 20 50 3203.3 -1.41 134.40

MID-COURSE EXECUTION ACCURACY
 SGT 5275.2 SGR 367.7 SG3 238.3
 RRT -.2042 RRF -.2277 RTF .9328
 SGB 5288.0 R23 .0371 R13 -.9328
 SGI 5275.7 SG2 359.9 THA 179.18

ORBIT DETERMINATION ACCURACY
 ST 2812.6 SR 250.3 SS 848.1
 CRT .9751 CRS -.9252 CST -.9850
 LSA 2944.4 MSA 150.8 SSA 20.1
 EL1 2823.2 EL2 55.3 ALF 4.96

DIFFERENTIAL CORRECTIONS
 TOE 1.8218 TRA .2259 TC3-5.9854 BAU 1.1079
 RDE .1600 RRA -.0878 RC3 .3129 FAU .04220
 FDE 1.0195 FRA .6968 FC3-2.6424 BSP 16980
 BOE 1.8289 BRA .2424 BC3 5.9936 FSP -.822

LAUNCH DATE DEC 7 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 28 1966

DISTANCE 503.089

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.867 GAL .32 AZL 86.65 HCA 246.14 SMA 122.97 ECC .19853 INC 3.3484 V1 30.232
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.843 GAP 9.41 AZP 91.36 TAL 178.72 TAP 64.86 RCA 98.56 APO 147.38 V2 34.788
 RC 161.449 GL 24.58 GP .64 ZAL 84.21 ZAP 165.57 ETS 1.83 ZAE 129.57 ETE 179.54 ZAC 70.32 ETC 164.45 CLP-165.58

PLANETOCENTRIC CONIC
 C3 14.237 VHL 3.773 DLA 18.98 RAL 341.80 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 6.262 DPA -12.10 RAP 338.06 ECC 1.2343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 4 2772.14 -28.08 79.79 204.05 93.82 3 14 16 2172.1 -27.25 71.22
 90.00 19 42 34 4144.45 -1.75 168.88 198.21 61.73 20 51 39 3544.4 -5.52 162.23
 100.00 4 1 3 2472.31 -29.43 57.61 203.93 95.52 4 42 15 1872.3 -28.35 48.97
 100.00 20 52 17 3919.51 -.57 151.69 197.55 60.11 21 57 36 3319.5 -4.55 145.16
 110.00 5 34 31 2179.87 -32.86 34.86 203.38 100.00 6 10 51 1579.9 -31.13 26.06
 110.00 21 35 18 3784.71 2.37 139.63 195.72 55.89 22 38 22 3184.7 -2.13 133.43

MID-COURSE EXECUTION ACCURACY
 SGT 5331.6 SGR 375.2 SG3 230.3
 RRT -.1657 RRF -.1847 RTF .9305
 SGB 5344.8 R23 .0301 R13 -.9305
 SGI 5332.0 SG2 369.9 THA 179.33

ORBIT DETERMINATION ACCURACY
 ST 2921.3 SR 263.8 SS 861.7
 CRT .9691 CRS -.9175 CST -.9862
 LSA 3053.4 MSA 151.4 SSA 20.2
 EL1 2932.5 EL2 64.8 ALF 5.00

DIFFERENTIAL CORRECTIONS
 TOE 1.9177 TRA .3986 TC3-5.8577 BAU 1.1164
 RDE .1710 RRA -.0945 RC3 .2971 FAU .03912
 FDE 1.0204 FRA .7575 FC3-2.3788 BSP 16945
 BOE 1.9254 BRA .4077 BC3 5.8653 FSP -.765

LAUNCH DATE DEC 7 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 86.824 GAL .74 AZL 86.65 MCA 249.30 SMA 122.70 ECC .20145 INC 3.3549 V1 30.232
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.814 GAP 9.69 AZP 91.19 TAL 177.06 TAP 66.36 RCA 97.98 APO 147.42 V2 34.791
 RC 163.619 GL 24.13 GP .61 ZAL 81.34 ZAP 166.51 ETS 2.01 ZAE 129.51 ETE 179.55 ZAC 72.48 ETC 164.74 CLP-166.52

PLANETOCENTRIC CONIC
 C3 14.740 VHL 3.839 DLA 19.77 RAL 344.75 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 6.427 DPA -11.32 RAP 340.19 ECC 1.2426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 8 2812.16 -28.23 82.71 207.91 92.37 3-18 1 2212.2 -27.60 74.10
 90.00 20 3 0 4119.83 -2.55 167.51 201.86 61.79 21 11 40 3519.8 -6.30 160.84
 100.00 4 5 0 2509.48 -29.64 60.35 207.82 94.09 4 46 50 1909.5 -28.76 51.66
 100.00 21 11 50 3897.75 -1.31 150.50 201.17 60.13 22 16 47 3297.7 -5.28 143.95
 110.00 5 40 10 2211.74 -33.21 37.28 207.35 98.60 6 17 2 1611.7 -31.67 28.39
 110.00 21 53 9 3768.25 1.74 138.77 199.26 55.86 22 55 57 3168.3 -2.75 132.57

DIFFERENTIAL CORRECTIONS
 TOE 2.0004 TRA .5674 TC3-5.7239 BAU 1.1293 SGT 5388.7 SGR 382.4 SG3 221.8 ST 3000.3 SR 277.6 SS 857.1
 RDE .1832 RRA -.1004 RC3 .2798 FAU .03670 RRT -.1317 RRF -.1520 RTF .9312 CRT .9634 CRS -.9105 CST -.9872
 FDE 1.0017 FRA .8015 FC3-2.1554 BSP 17191 SGB 5402.3 R23 .0290 R13 -.9312 LSA 3129.0 MSA 151.0 SSA 20.2
 BOE 2.0087 BRA .5762 BC3 5.7307 FSP -743 SG1 5389.0 SG2 379.0 TMA 179.46 EL1 3012.2 EL2 74.1 ALF 5.10

LAUNCH DATE DEC 7 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.780 GAL 1.18 AZL 86.64 MCA 252.46 SMA 122.44 ECC .20462 INC 3.3611 V1 30.232
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.785 GAP 9.98 AZP 91.01 TAL 175.40 TAP 67.86 RCA 97.39 APO 147.49 V2 34.794
 RC 165.775 GL 23.62 GP .58 ZAL 78.46 ZAP 167.43 ETS 2.21 ZAE 129.45 ETE 179.57 ZAC 74.65 ETC 165.01 CLP-167.44

PLANETOCENTRIC CONIC
 C3 15.346 VHL 3.917 DLA 20.51 RAL 347.73 RAD 6567.6 VEL 11.693 PTH 2.06 VHP 6.599 DPA -10.52 RAP 342.32 ECC 1.2526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 30 2852.56 -28.30 85.67 211.87 90.89 3 22 3 2252.6 -27.88 77.03
 90.00 20 23 24 4097.47 -3.27 166.26 205.62 61.86 21 31 41 3497.5 -7.01 159.57
 100.00 4 9 18 2546.91 -29.79 63.13 211.82 92.64 4 51 44 1946.9 -29.10 54.39
 100.00 21 31 17 3878.35 -1.97 149.43 204.90 60.17 22 35 56 3278.4 -5.92 142.88
 110.00 5 46 10 2243.81 -33.51 39.73 211.45 97.18 6 23 34 1643.8 -32.16 30.76
 110.00 22 10 54 3754.22 1.20 138.04 202.92 55.84 23 13 28 3154.2 -3.29 131.84

DIFFERENTIAL CORRECTIONS
 TOE 2.0847 TRA .7475 TC3-5.5615 BAU 1.1423 SGT 5444.8 SGR 388.9 SG3 213.9 ST 3071.9 SR 291.3 SS 852.8
 RDE .1962 RRA -.1055 RC3 .2608 FAU .03445 RRT -.0980 RRF -.1186 RTF .9322 CRT .9577 CRS -.9044 CST -.9882
 FDE .9859 FRA .8434 FC3-1.9432 BSP 17409 SGB 5458.7 R23 .0269 R13 -.9322 LSA 3197.7 MSA 151.2 SSA 20.0
 BOE 2.0939 BRA .7549 BC3 5.5676 FSP -718 SG1 5444.9 SG2 387.0 TMA 179.60 EL1 3084.6 EL2 83.5 ALF 5.19

LAUNCH DATE DEC 7 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.737 GAL 1.64 AZL 86.63 MCA 255.63 SMA 122.18 ECC .20807 INC 3.3671 V1 30.232
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.758 GAP 10.28 AZP 90.84 TAL 173.73 TAP 69.35 RCA 96.76 APO 147.60 V2 34.798
 RC 167.915 GL 23.05 GP .56 ZAL 75.59 ZAP 168.33 ETS 2.43 ZAE 129.41 ETE 179.59 ZAC 76.85 ETC 165.25 CLP-168.34

PLANETOCENTRIC CONIC
 C3 16.067 VHL 4.008 DLA 21.20 RAL 350.72 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 6.779 DPA -9.69 RAP 344.46 ECC 1.2644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 12 2893.09 -28.31 88.63 215.93 89.40 3 26 25 2293.1 -28.09 79.97
 90.00 20 43 35 4077.72 -3.90 165.15 209.50 61.93 21 51 33 3477.7 -7.62 158.45
 100.00 4 13 56 2584.36 -29.87 65.91 215.92 91.17 4 57 0 1984.4 -29.39 57.14
 100.00 21 50 32 3861.65 -2.53 148.52 208.74 60.21 22 54 54 3261.7 -6.48 141.95
 110.00 5 52 31 2275.93 -33.76 42.21 215.65 95.73 6 30 27 1675.9 -32.60 33.17
 110.00 22 28 26 3742.87 .77 137.45 206.68 55.82 23 30 49 3142.9 -3.72 131.24

DIFFERENTIAL CORRECTIONS
 TOE 2.1687 TRA .9388 TC3-5.3684 BAU 1.1543 SGT 5495.8 SGR 394.7 SG3 206.3 ST 3132.6 SR 304.8 SS 845.7
 RDE .2102 RRA -.1098 RC3 .2405 FAU .03229 RRT -.0647 RRF -.0858 RTF .9333 CRT .9521 CRS -.8984 CST -.9891
 FDE .9688 FRA .8843 FC3-1.7396 BSP 17641 SGB 5509.9 R23 .0252 R13 -.9333 LSA 3255.4 MSA 152.3 SSA 19.7
 BOE 2.1789 BRA .9452 BC3 5.3737 FSP -698 SG1 5495.8 SG2 393.9 TMA 179.73 EL1 3146.0 EL2 92.8 ALF 5.30

LAUNCH DATE DEC 7 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.695 GAL 2.12 AZL 86.63 MCA 258.79 SMA 121.92 ECC .21182 INC 3.3729 V1 30.232
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.731 GAP 10.60 AZP 90.66 TAL 172.05 TAP 70.85 RCA 96.10 APO 147.75 V2 34.803
 RC 170.040 GL 22.43 GP .53 ZAL 72.75 ZAP 169.22 ETS 2.67 ZAE 129.38 ETE 179.61 ZAC 79.06 ETC 165.48 CLP-169.23

PLANETOCENTRIC CONIC
 C3 16.917 VHL 4.113 DLA 21.83 RAL 353.72 RAD 6567.7 VEL 11.760 PTH 2.08 VHP 6.968 DPA -8.84 RAP 346.60 ECC 1.2784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 15 2933.49 -28.25 91.58 220.07 87.92 3 31 8 2333.5 -28.24 82.92
 90.00 21 3 27 4060.91 -4.44 164.21 213.46 62.00 22 11 8 3460.9 -8.15 157.50
 100.00 4 18 57 2621.67 -29.89 68.68 220.11 89.72 5 2 39 2021.7 -29.61 59.89
 100.00 22 9 26 3847.95 -3.00 147.76 212.67 60.24 23 13 34 3248.0 -6.94 141.19
 110.00 5 59 14 2307.94 -33.93 44.69 219.94 94.28 6 37 42 1707.9 -32.98 35.58
 110.00 22 45 38 3734.45 .45 137.01 210.52 55.82 23 47 53 3134.5 -4.04 130.80

DIFFERENTIAL CORRECTIONS
 TOE 2.2572 TRA 1.1459 TC3-5.1366 BAU 1.1628 SGT 5540.6 SGR 399.8 SG3 199.1 ST 3188.9 SR 317.9 SS 840.1
 RDE .2253 RRA -.1131 RC3 .2193 FAU .03005 RRT -.0304 RRF -.0509 RTF .9340 CRT .9466 CRS -.8929 CST -.9899
 FDE .9534 FRA .9276 FC3-1.5377 BSP 17759 SGB 5555.0 R23 .0223 R13 -.9340 LSA 3309.3 MSA 154.3 SSA 19.3
 BOE 2.2684 BRA 1.1515 BC3 5.1413 FSP -671 SG1 5540.6 SG2 399.6 TMA 179.87 EL1 3203.1 EL2 102.1 ALF 5.40

LAUNCH DATE DEC 7 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 7 1966

Heliocentric Conic
 RL 147.37 LAL .00 LOL 74.68 VL 26.652 GAL 2.62 AZL 86.62 HCA 261.96 SMA 121.67 ECC .21589 INC 3.3786 V1 30.232
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.706 GAP 10.93 AZP 90.47 TAL 170.38 TAP 72.34 RCA 95.40 APO 147.94 V2 34.808
 RC 172.148 GL 21.76 GP .51 ZAL 69.94 ZAP 170.09 ETS 2.95 ZAE 129.36 ETE 179.63 ZAC 81.29 ETC 165.69 CLP-170.10

Distance 531.420

Planetocentric Conic
 C3 17.912 VHL 4.232 DLA 22.40 RAL 356.70 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 7.168 DPA -7.97 RAP 348.75 ECC 1.2948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 42 2973.46 -28.11 94.50 224.27 86.47 3 36 16 2373.5 -28.31 85.84
 90.00 21 22 48 4047.40 -4.87 163.45 217.50 62.07 22 30 16 3447.4 -8.57 156.73
 100.00 4 24 23 2658.54 -29.85 71.42 224.36 88.27 5 8 41 2058.5 -29.77 62.62
 100.00 22 27 49 3837.55 -3.35 147.19 216.66 60.28 23 31 47 3237.6 -7.28 140.61
 110.00 6 6 18 2339.67 -34.08 47.16 224.32 92.82 6 45 18 1739.7 -33.31 38.00
 110.00 23 2 23 3729.18 .24 136.74 214.42 55.82 24 4 32 3129.2 -4.24 130.52

Differential Corrections
 TOE 2.3418 TRA 1.3623 TC3-4.8903 BAU 1.1720 SGT 5582.5 SGR 404.1 SG3 192.1 ST 3228.7 SR 330.7 SS 831.1
 ROE .2414 RRA -.1154 RC3 .1977 FAU .02801 RRT .0028 RRF -.0173 RTF .9351 CRT .9412 CRS -.8878 CST -.9907
 FDE .9399 FRA .9683 FC3-1.3537 BSP 17937 SGB 5597.1 R23 -.0199 R13 .9351 LSA 3346.6 MSA 156.9 SSA 18.8
 BOE 2.3542 BRA 1.3672 BC3 4.8943 FSP -650 SGI 5582.5 SG2 404.1 THA .01 EL1 3243.7 EL2 111.2 ALF 5.51

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 9 1966

Heliocentric Conic
 RL 147.37 LAL .00 LOL 74.68 VL 26.611 GAL 3.15 AZL 86.62 HCA 265.12 SMA 121.42 ECC .22032 INC 3.3842 V1 30.232
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.681 GAP 11.28 AZP 90.29 TAL 168.71 TAP 73.83 RCA 94.67 APO 148.18 V2 34.814
 RC 174.239 GL 21.05 GP .49 ZAL 67.18 ZAP 170.95 ETS 3.25 ZAE 129.35 ETE 179.65 ZAC 83.53 ETC 165.88 CLP-170.96

Distance 537.000

Planetocentric Conic
 C3 19.071 VHL 4.367 DLA 22.90 RAL 359.66 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 7.378 DPA -7.08 RAP 350.89 ECC 1.3139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 37 3012.75 -27.92 97.36 228.52 85.05 3 41 49 2412.7 -28.31 88.71
 90.00 21 41 31 4037.50 -5.18 162.89 221.59 62.12 22 48 48 3437.5 -8.88 156.16
 100.00 4 30 14 2694.76 -29.74 74.11 228.67 86.86 5 15 9 2094.8 -29.86 65.31
 100.00 22 45 35 3830.72 -3.58 146.81 220.71 60.30 23 49 25 3230.7 -7.51 140.23
 110.00 6 13 43 2371.01 -34.16 49.60 228.75 91.38 6 53 14 1771.0 -33.59 40.40
 110.00 23 18 35 3727.23 .17 136.63 218.37 55.82 24 20 42 3127.2 -4.32 130.42

Differential Corrections
 TOE 2.4254 TRA 1.5909 TC3-4.6256 BAU 1.1802 SGT 5619.8 SGR 407.8 SG3 185.3 ST 3256.2 SR 342.9 SS 820.5
 ROE .2586 RRA -.1165 RC3 .1761 FAU .02606 RRT .0359 RRF .0162 RTF .9365 CRT .9360 CRS -.8831 CST -.9914
 FDE .9242 FRA 1.0079 FC3-1.1830 BSP 18117 SGB 5634.6 R23 -.0176 R13 .9365 LSA 3371.6 MSA 159.9 SSA 18.3
 BOE 2.4392 BRA 1.5952 BC3 4.6290 FSP -630 SGI 5619.8 SG2 407.5 THA .15 EL1 3272.0 EL2 120.1 ALF 5.64

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 11 1966

Heliocentric Conic
 RL 147.37 LAL .00 LOL 74.68 VL 26.569 GAL 3.70 AZL 86.61 HCA 268.29 SMA 121.18 ECC .22514 INC 3.3898 V1 30.232
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.657 GAP 11.64 AZP 90.10 TAL 167.03 TAP 75.32 RCA 93.90 APO 148.46 V2 34.821
 RC 176.312 GL 20.30 GP .48 ZAL 64.47 ZAP 171.80 ETS 3.60 ZAE 129.35 ETE 179.68 ZAC 85.78 ETC 166.05 CLP-171.81

Distance 542.544

Planetocentric Conic
 C3 20.414 VHL 4.518 DLA 23.34 RAL 2.58 RAD 6567.8 VEL 11.908 PTH 2.12 VHP 7.601 DPA -6.17 RAP 353.04 ECC 1.3360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 0 3051.07 -27.66 100.13 232.81 83.68 3 47 51 2451.1 -28.25 91.52
 90.00 21 59 26 4031.51 -5.37 162.56 225.72 62.16 23 6 37 3431.5 -9.06 155.82
 100.00 4 36 32 2730.14 -29.58 76.73 233.02 85.49 5 22 2 2130.1 -29.89 67.94
 100.00 23 2 35 3827.67 -3.68 146.65 224.79 60.31 24 6 22 3227.7 -7.61 140.06
 110.00 6 21 28 2401.85 -34.18 52.01 233.23 89.95 7 1 30 1801.9 -33.81 42.79
 110.00 23 34 8 3728.73 .23 136.71 222.35 55.82 24 36 17 3128.7 -4.26 130.50

Differential Corrections
 TOE 2.5086 TRA 1.8337 TC3-4.3448 BAU 1.1865 SGT 5652.2 SGR 410.6 SG3 178.8 ST 3272.7 SR 354.3 SS 809.1
 ROE .2768 RRA -.1164 RC3 .1549 FAU .02417 RRT .0691 RRF .0500 RTF .9379 CRT .9309 CRS -.8786 CST -.9920
 FDE .9090 FRA 1.0479 FC3-1.0249 BSP 18270 SGB 5667.1 R23 -.0152 R13 .9379 LSA 3385.8 MSA 163.4 SSA 17.7
 BOE 2.5238 BRA 1.8374 BC3 4.3475 FSP -610 SGI 5652.3 SG2 409.7 THA .29 EL1 3289.3 EL2 128.8 ALF 5.76

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 13 1966

Heliocentric Conic
 RL 147.37 LAL .00 LOL 74.68 VL 26.528 GAL 4.28 AZL 86.60 HCA 271.46 SMA 120.94 ECC .23038 INC 3.3953 V1 30.232
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.635 GAP 12.03 AZP 89.91 TAL 165.37 TAP 76.82 RCA 93.08 APO 148.80 V2 34.828
 RC 178.366 GL 19.53 GP .46 ZAL 61.83 ZAP 172.64 ETS 4.00 ZAE 129.35 ETE 179.71 ZAC 88.04 ETC 166.20 CLP-172.65

Distance 548.047

Planetocentric Conic
 C3 21.969 VHL 4.687 DLA 23.71 RAL 5.45 RAD 6567.9 VEL 11.973 PTH 2.13 VHP 7.837 DPA -5.25 RAP 355.18 ECC 1.3615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 54 3088.19 -27.35 102.80 237.12 82.37 3 54 22 2488.2 -28.13 94.22
 90.00 22 16 25 4029.67 -5.43 162.45 229.87 62.17 23 23 34 3429.7 -9.12 155.71
 100.00 4 43 18 2764.51 -29.37 79.26 237.39 84.18 5 29 22 2164.5 -29.87 70.49
 100.00 23 18 42 3828.59 -3.65 146.70 228.89 60.31 24 22 31 3228.6 -7.58 140.11
 110.00 6 29 32 2432.12 -34.16 54.37 237.75 88.55 7 10 4 1832.1 -33.98 45.13
 110.00 23 48 57 3733.74 .42 136.97 226.35 55.82 24 51 11 3133.7 -4.07 130.76

Differential Corrections
 TOE 2.5948 TRA 2.0938 TC3-4.0475 BAU 1.1894 SGT 5680.7 SGR 412.8 SG3 172.6 ST 3282.9 SR 364.9 SS 798.6
 ROE .2961 RRA -.1148 RC3 .1345 FAU .02226 RRT .1030 RRF .0849 RTF .9393 CRT .9259 CRS -.8746 CST -.9927
 FDE .8962 FRA 1.0893 FC3 -.8774 BSP 18334 SGB 5695.7 R23 -.0124 R13 .9393 LSA 3394.1 MSA 167.2 SSA 17.2
 BOE 2.6116 BRA 2.0969 BC3 4.0497 FSP -587 SGI 5680.9 SG2 410.6 THA .43 EL1 3300.2 EL2 137.1 ALF 5.89

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.487 GAL 4.89 AZL 86.60 HCA 274.63 SMA 120.70 ECC .23609 INC 3.4009 V1 30.232
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.613 GAP 12.44 AZP 89.73 TAL 163.71 TAP 78.34 RCA 92.21 APO 149.20 V2 34.836
 RC 180.400 GL 18.73 GP .45 ZAL 59.27 ZAP 173.48 ETS 4.48 ZAE 129.34 ETE 179.73 ZAC 90.30 ETC 166.33 CLP-173.49

PLANETOCENTRIC CONIC
 C3 23.763 VHL 4.875 DLA 24.01 RAL 8.26 RAD 6568.0 VEL 12.047 PTH 2.15 VHP 8.089 DPA -4.32 RAP 357.33 ECC 1.3911
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 22 3123.86 -27.00 105.36 241.44 81.14 4 1 25 2523.9 -27.95 96.82
 90.00 22 32 20 4032.20 -5.35 162.60 234.01 62.15 23 39 33 3432.2 -9.04 155.86
 100.00 4 50 31 2797.71 -29.12 81.70 241.77 82.92 5 37 9 2197.7 -29.79 72.96
 100.00 23 33 52 3833.59 -3.48 146.97 232.98 60.29 24 37 46 3233.6 -7.41 140.39
 110.00 6 37 54 2461.75 -34.08 56.68 242.28 87.19 7 18 56 1861.7 -34.10 47.44
 110.00 0 6 54 3742.31 .75 137.42 230.35 55.82 1 9 16 3142.3 -3.74 131.21

DIFFERENTIAL CORRECTIONS
 TOE 2.6762 TRA 2.3655 TC3-3.7520 BAU 1.1925 SGT 5704.4 SGR 414.2 SG3 166.6 ST 3277.2 SR 374.4 SS 786.0
 ROE .3164 RRA -.1117 RC3 .1151 FAU .02053 RRT .1362 RRF .1186 RTF .9411 CRT .9210 CRS -.8706 CST -.9932
 FDE .8818 FRA 1.1294 FC3 -.7479 BSP 18476 SGB 5719.4 R23 -.0103 R13 .9411 LSA 3386.5 MSA 171.1 SSA 16.6
 BDE 2.6949 BRA 2.3681 BC3 3.7538 FSP -569 SGI 5704.6 SG2 410.4 THA .57 EL1 3295.4 EL2 145.1 ALF 6.02

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.447 GAL 5.54 AZL 86.59 HCA 277.80 SMA 120.47 ECC .24232 INC 3.4065 V1 30.232
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.592 GAP 12.89 AZP 89.54 TAL 162.06 TAP 79.86 RCA 91.28 APO 149.66 V2 34.845
 RC 182.414 GL 17.92 GP .44 ZAL 56.78 ZAP 174.31 ETS 5.06 ZAE 129.34 ETE 179.77 ZAC 92.56 ETC 166.43 CLP-174.33

PLANETOCENTRIC CONIC
 C3 25.832 VHL 5.083 DLA 24.26 RAL 10.99 RAD 6568.0 VEL 12.133 PTH 2.17 VHP 8.359 DPA -3.38 RAP 359.47 ECC 1.4251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 23 3157.92 -26.62 107.78 245.76 79.98 4 9 1 2557.9 -27.74 99.29
 90.00 22 47 7 4039.23 -5.13 162.99 238.14 62.11 23 54 26 3439.2 -8.82 156.26
 100.00 4 58 11 2829.66 -28.83 84.03 246.16 81.73 5 45 21 2229.7 -29.67 75.32
 100.00 23 47 59 3842.73 -3.17 147.47 237.06 60.26 24 52 2 3242.7 -7.11 140.90
 110.00 6 46 32 2490.72 -33.96 58.94 246.81 85.86 7 28 2 1890.7 -34.16 49.70
 110.00 0 20 5 3754.42 1.21 138.05 234.33 55.84 1 22 39 3154.4 -3.28 131.85

DIFFERENTIAL CORRECTIONS
 TOE 2.7571 TRA 2.6532 TC3-3.4543 BAU 1.1934 SGT 5723.0 SGR 414.9 SG3 160.8 ST 3261.9 SR 382.7 SS 773.4
 ROE .3377 RRA -.1070 RC3 .0971 FAU .01884 RRT .1694 RRF .1325 RTF .9430 CRT .9161 CRS -.8669 CST -.9938
 FDE .8683 FRA 1.1699 FC3 -.6316 BSP 18604 SGB 5738.0 R23 -.0082 R13 .9430 LSA 3369.5 MSA 175.1 SSA 16.0
 BDE 2.7777 BRA 2.6554 BC3 3.4557 FSP -550 SGI 5723.4 SG2 408.9 THA .71 EL1 3280.8 EL2 152.5 ALF 6.15

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.408 GAL 6.22 AZL 86.59 HCA 280.97 SMA 120.24 ECC .24912 INC 3.4122 V1 30.232
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.572 GAP 13.36 AZP 89.35 TAL 160.43 TAP 81.40 RCA 90.29 APO 150.20 V2 34.854
 RC 184.407 GL 17.11 GP .42 ZAL 54.38 ZAP 175.15 ETS 5.82 ZAE 129.34 ETE 179.80 ZAC 94.83 ETC 166.51 CLP-175.16

PLANETOCENTRIC CONIC
 C3 28.219 VHL 5.312 DLA 24.44 RAL 13.64 RAD 6568.1 VEL 12.231 PTH 2.20 VHP 8.648 DPA -2.43 RAP 1.61 ECC 1.4644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 58 3190.22 -26.22 110.06 250.08 78.91 4 17 8 2590.2 -27.49 101.62
 90.00 23 0 40 4050.83 -4.76 163.64 242.24 62.05 24 8 11 3450.8 -8.46 156.92
 100.00 5 6 18 2860.29 -28.51 86.25 250.54 80.60 5 53 58 2260.3 -29.51 77.59
 100.00 0 4 57 3856.00 -2.73 148.20 241.12 60.22 1 9 13 3256.0 -6.67 141.64
 110.00 6 55 22 2519.04 -33.80 61.13 251.35 84.57 7 37 21 1919.0 -34.18 51.91
 110.00 0 32 22 3770.01 1.80 138.87 238.29 55.86 1 35 12 3170.0 -2.69 132.66

DIFFERENTIAL CORRECTIONS
 TOE 2.8381 TRA 2.9585 TC3-3.1587 BAU 1.1920 SGT 5737.4 SGR 414.9 SG3 155.2 ST 3238.3 SR 389.7 SS 761.0
 ROE .3598 RRA -.1006 RC3 .0806 FAU .01723 RRT .2028 RRF .1865 RTF .9451 CRT .9113 CRS -.8634 CST -.9943
 FDE .8556 FRA 1.2114 FC3 -.5286 BSP 18716 SGB 5752.4 R23 -.0063 R13 .9451 LSA 3344.4 MSA 179.0 SSA 15.4
 BDE 2.8608 BRA 2.9603 BC3 3.1597 FSP -533 SGI 5738.0 SG2 406.2 THA .84 EL1 3257.7 EL2 159.5 ALF 6.27

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.368 GAL 6.95 AZL 86.58 HCA 284.15 SMA 120.02 ECC .25656 INC 3.4180 V1 30.232
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.553 GAP 13.87 AZP 89.16 TAL 158.82 TAP 82.96 RCA 89.22 APO 150.81 V2 34.863
 RC 186.379 GL 16.28 GP .41 ZAL 52.07 ZAP 175.98 ETS 6.84 ZAE 129.33 ETE 179.83 ZAC 97.10 ETC 166.57 CLP-176.00

PLANETOCENTRIC CONIC
 C3 30.973 VHL 5.565 DLA 24.56 RAL 16.20 RAD 6568.2 VEL 12.343 PTH 2.23 VHP 8.959 DPA -1.48 RAP 3.74 ECC 1.5097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 32 6 3220.73 -25.80 112.19 254.38 77.91 4 25 47 2620.7 -27.21 103.81
 90.00 23 12 57 4066.96 -4.24 164.55 246.29 61.98 24 20 44 3467.0 -7.96 157.84
 100.00 5 14 48 2889.59 -28.16 88.36 254.91 79.54 6 2 58 2289.6 -29.32 79.74
 100.00 0 16 52 3873.33 -2.14 149.16 245.13 60.18 1 21 25 3273.3 -6.09 142.60
 110.00 7 4 24 2546.72 -33.60 63.27 255.86 83.32 7 46 50 1946.7 -34.16 54.07
 110.00 0 43 46 3788.96 2.53 139.86 242.22 55.90 1 46 55 3189.0 -1.96 133.65

DIFFERENTIAL CORRECTIONS
 TOE 2.9238 TRA 3.2871 TC3-2.8622 BAU 1.1855 SGT 5749.3 SGR 414.2 SG3 150.0 ST 3211.8 SR 395.4 SS 750.6
 ROE .3828 RRA -.0922 RC3 .0659 FAU .01558 RRT .2369 RRF .2214 RTF .9472 CRT .9065 CRS -.8602 CST -.9949
 FDE .8459 FRA 1.2559 FC3 -.4356 BSP 18716 SGB 5764.2 R23 -.0042 R13 .9472 LSA 3316.9 MSA 182.7 SSA 14.8
 BDE 2.9488 BRA 3.2884 BC3 2.8630 FSP -512 SGI 5750.1 SG2 402.4 THA .98 EL1 3231.8 EL2 165.9 ALF 6.38

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 7 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 23 1966

DISTANCE 574.700

MELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.330 GAL 7.72 AZL 86.58 MCA 287.32 SMA 119.80 ECC .26472 INC 3.4240 V1 30.232
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.534 GAP 14.42 AZP 88.98 TAL 157.23 TAP 84.55 RCA 88.08 APO 151.51 V2 34.873
 RC 188.330 GL 15.46 GP .40 ZAL 49.85 ZAP 176.82 ETS 8.36 ZAE 129.32 ETE 179.86 ZAC 99.36 ETC 166.60 CLP-176.85

PLANETOCENTRIC CONIC
 C3 34.154 VML 5.844 DLA 24.63 RAL 18.66 RAD 6568.3 VEL 12.471 PTH 2.26 VHP 9.294 DPA -.52 RAP 5.87 ECC 1.5621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 45 3249.40 -25.38 114.19 258.66 77.00 4 34 54 2649.4 -26.92 105.86
 90.00 23 23 56 4087.54 -3.58 165.70 250.29 61.89 24 32 4 3487.5 -7.32 159.01
 100.00 5 23 40 2917.57 -27.80 90.36 259.25 78.55 6 12 18 2317.6 -29.10 81.80
 100.00 0 27 38 3894.60 -1.42 150.32 249.08 60.14 1 32 33 3294.6 -5.38 143.78
 110.00 7 13 35 2573.79 -33.37 65.35 260.35 82.11 7 56 27 1973.8 -34.10 56.19
 110.00 0 54 15 3811.15 3.37 141.02 246.10 55.96 1 57 46 3211.1 -1.12 134.81

MID-COURSE EXECUTION ACCURACY
 SGT 5754.6 SGR 412.8 SG3 144.9 ST 3173.9 SR 399.4 SS 739.4
 RRT .2705 RRF .2554 RTF .9497 CRT .9018 CRS -.8571 CST -.9954
 SGB 5769.4 R23 -.0028 R13 .9497 LSA 3278.0 MSA 186.1 SSA 14.2
 SGI 5755.7 SG2 397.4 TMA 1.12 EL1 3194.3 EL2 171.5 ALF 6.49

ORBIT DETERMINATION ACCURACY
 TDE 3.0060 TRA 3.6313 TC3-2.5799 BAU 1.1782
 RDE .4065 RRA -.0819 RC3 .0527 FAU .01408
 FDE .8354 FRA 1.3001 FC3 -.3569 BSP 18810
 BDE 3.0333 BRA 3.6322 BC3 2.5804 FSP -496

LAUNCH DATE DEC 7 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 25 1966

DISTANCE 579.789

MELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.292 GAL 8.54 AZL 86.57 MCA 290.50 SMA 119.58 ECC .27367 INC 3.4302 V1 30.232
 RP 108.63 LAP -3.21 LOP 5.21 VP 36.517 GAP 15.01 AZP 88.80 TAL 155.67 TAP 86.17 RCA 86.85 APO 152.30 V2 34.884
 RC 190.259 GL 14.65 GP .39 ZAL 47.73 ZAP 177.67 ETS 10.92 ZAE 129.29 ETE 179.90 ZAC 101.61 ETC 166.61 CLP-177.70

PLANETOCENTRIC CONIC
 C3 37.836 VML 6.151 DLA 24.65 RAL 21.02 RAD 6568.5 VEL 12.618 PTH 2.29 VHP 9.658 DPA .43 RAP 7.99 ECC 1.6227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 49 52 3276.30 -24.95 116.04 262.91 76.16 4 44 28 2676.3 -26.61 107.77
 90.00 23 33 39 4112.37 -2.79 167.09 254.21 61.81 24 42 12 3512.4 -6.54 160.42
 100.00 5 32 50 2944.29 -27.42 92.26 263.55 77.61 6 21 55 2344.3 -28.85 85.74
 100.00 0 37 18 3919.61 -.57 151.70 252.98 60.11 1 42 37 3319.6 -4.54 145.16
 110.00 7 22 48 2600.27 -33.10 67.37 264.80 80.94 8 6 8 2000.3 -34.00 58.25
 110.00 1 3 49 3836.39 4.34 142.34 249.93 56.06 2 7 46 3236.4 -.15 136.13

MID-COURSE EXECUTION ACCURACY
 SGT 5755.8 SGR 410.7 SG3 139.9 ST 3130.9 SR 401.9 SS 729.4
 RRT .3041 RRF .2895 RTF .9524 CRT .8970 CRS -.8542 CST -.9959
 SGB 5770.5 R23 -.0016 R13 .9524 LSA 3234.2 MSA 189.0 SSA 13.7
 SGI 5757.2 SG2 391.2 TMA 1.25 EL1 3151.6 EL2 176.5 ALF 6.59

ORBIT DETERMINATION ACCURACY
 TDE 3.0900 TRA 3.9981 TC3-2.3073 BAU 1.1673
 RDE .4308 RRA -.0695 RC3 .0413 FAU .01262
 FDE .8264 FRA 1.3465 FC3 -.2888 BSP 18889
 BDE 3.1199 BRA 3.9987 BC3 2.3076 FSP -480

LAUNCH DATE DEC 7 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 27 1966

DISTANCE 584.762

MELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.254 GAL 9.43 AZL 86.56 MCA 293.68 SMA 119.37 ECC .28352 INC 3.4367 V1 30.232
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.500 GAP 15.66 AZP 88.62 TAL 154.14 TAP 87.82 RCA 85.52 APO 153.21 V2 34.895
 RC 192.167 GL 13.84 GP .39 ZAL 45.71 ZAP 178.51 ETS 16.36 ZAE 129.25 ETE 179.93 ZAC 103.85 ETC 166.59 CLP-178.57

PLANETOCENTRIC CONIC
 C3 42.109 VML 6.489 DLA 24.62 RAL 23.27 RAD 6568.6 VEL 12.786 PTH 2.33 VHP 10.055 DPA 1.38 RAP 10.10 ECC 1.6930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 22 3301.50 -24.53 117.77 267.13 75.40 4 54 24 2701.5 -26.30 109.55
 90.00 23 42 7 4141.20 -1.86 168.70 258.06 61.74 24 51 8 3541.2 -5.62 162.04
 100.00 5 42 15 2969.81 -27.04 94.05 267.82 76.74 6 31 45 2369.8 -28.59 85.60
 100.00 0 45 51 3948.13 .40 153.26 256.81 60.11 1 51 39 3348.1 -3.58 146.73
 110.00 7 32 5 2626.20 -32.81 69.34 269.20 79.81 8 15 51 2026.2 -33.86 60.26
 110.00 1 12 31 3864.50 5.40 143.82 253.70 56.20 2 16 55 3264.5 .92 137.59

MID-COURSE EXECUTION ACCURACY
 SGT 5753.0 SGR 408.0 SG3 135.2 ST 3084.3 SR 402.7 SS 720.9
 RRT .3380 RRF .3237 RTF .9552 CRT .8924 CRS -.8515 CST -.9963
 SGB 5767.4 R23 -.0006 R13 .9552 LSA 3187.2 MSA 191.4 SSA 13.1
 SGI 5754.6 SG2 383.9 TMA 1.38 EL1 3105.3 EL2 180.5 ALF 6.67

ORBIT DETERMINATION ACCURACY
 TDE 3.1774 TRA 4.3899 TC3-2.0456 BAU 1.1517
 RDE .4558 RRA -.0548 RC3 .0316 FAU .01119
 FDE .8192 FRA 1.3957 FC3 -.2301 BSP 18947
 BDE 3.2099 BRA 4.3902 BC3 2.0459 FSP -465

LAUNCH DATE DEC 7 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 29 1966

DISTANCE 589.598

MELIOCENTRIC CONIC
 RL 147.37 LAL .00 LOL 74.68 VL 26.217 GAL 10.38 AZL 86.56 MCA 296.86 SMA 119.16 ECC .29439 INC 3.4435 V1 30.232
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.485 GAP 16.37 AZP 88.44 TAL 152.66 TAP 89.52 RCA 84.08 APO 154.24 V2 34.906
 RC 194.054 GL 13.05 GP .38 ZAL 43.79 ZAP 179.33 ETS 35.79 ZAE 129.19 ETE 179.97 ZAC 106.08 ETC 166.54 CLP-179.45

PLANETOCENTRIC CONIC
 C3 47.083 VML 6.862 DLA 24.54 RAL 25.41 RAD 6568.8 VEL 12.979 PTH 2.37 VHP 10.487 DPA 2.33 RAP 12.20 ECC 1.7749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 12 3325.12 -24.12 119.37 271.30 74.70 5 4 37 2725.1 -25.99 111.20
 90.00 23 49 22 4173.72 -.81 170.52 261.83 61.69 24 58 56 3573.7 -4.59 163.87
 100.00 5 51 51 2994.19 -26.65 95.76 272.03 75.93 6 41 45 2394.2 -28.32 87.36
 100.00 0 53 20 3979.90 1.47 155.00 260.56 60.14 1 59 40 3379.9 -2.51 148.48
 110.00 7 41 21 2651.59 -32.48 71.25 273.54 78.72 8 25 32 2051.6 -33.70 62.22
 110.00 1 20 19 3895.26 6.56 145.44 257.41 56.38 2 25 15 3295.3 2.10 139.20

MID-COURSE EXECUTION ACCURACY
 SGT 5747.8 SGR 404.7 SG3 130.8 ST 3037.4 SR 402.1 SS 714.9
 RRT .3723 RRF .3585 RTF .9582 CRT .8879 CRS -.8493 CST -.9968
 SGB 5762.0 R23 -.0003 R13 .9582 LSA 3140.2 MSA 193.0 SSA 12.6
 SGI 5749.8 SG2 375.5 TMA 1.51 EL1 3058.4 EL2 183.7 ALF 6.73

ORBIT DETERMINATION ACCURACY
 TDE 3.2719 TRA 4.8123 TC3-1.7938 BAU 1.1292
 RDE .4813 RRA -.0376 RC3 .0236 FAU .00973
 FDE .8150 FRA 1.4492 FC3 -.1789 BSP 18914
 BDE 3.3071 BRA 4.8124 BC3 1.7940 FSP -447

LAUNCH DATE DEC 7 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 594.270

RL 147.37 LAL .00 LOL 74.68 VL 26.181 GAL 11.40 AZL 86.55 HCA 300.05 SMA 118.96 ECC .30641 INC 3.4507 V1 30.232
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.470 GAP 17.14 AZP 88.27 TAL 151.23 TAP 91.27 RCA 82.51 APO 155.41 V2 34.918
 RC 195.918 GL 12.26 GP .37 ZAL 41.98 ZAP 179.49 ETS 135.10 ZAE 129.11 ETE 180.00 ZAC 108.28 ETC 166.47 CLP 179.65

PLANETOCENTRIC CONIC

C3 52.894 VHL 7.273 DLA 24.42 RAL 27.44 RAD 6568.9 VEL 13.201 PTH 2.41 VHP 10.963 DPA 3.26 RAP 14.28 ECC 1.8705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 16 3347.27 -23.71 120.87 275.41 74.05 5 15 3 2747.3 -25.67 112.75
 90.00 23 55 28 4209.61 .35 172.52 265.51 61.68 25 5 37 3609.6 -3.44 165.88
 100.00 6 1 33 3017.47 -26.25 97.38 276.18 75.16 6 51 50 2417.5 -28.03 89.03
 100.00 0 59 47 4014.64 2.65 156.91 264.23 60.21 2 6 42 3414.6 -1.33 150.39
 110.00 7 50 34 2676.42 -32.14 73.10 277.81 77.68 8 35 10 2076.4 -33.50 64.14
 110.00 1 27 16 3928.45 7.81 147.20 261.05 56.62 2 32 45 3328.5 3.37 140.93

DIFFERENTIAL CORRECTIONS

TDE 3.3672 TRA 5.2607 TC3-1.5595 BAU 1.1029
 RDE .5073 RRA -.0178 RC3 .0171 FAU .00836
 FDE .8114 FRA 1.5050 FC3 -.1368 BSP 18961
 BDE 3.4052 BRA 5.2607 BC3 1.5596 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 5735.9 SGR 400.7 SG3 126.5
 RRT .4061 RRF .3927 RTF .9614
 SGB 5749.9 R23 .0007 R13 .9614
 SG1 5738.2 SG2 366.0 THA 1.63

ORBIT DETERMINATION ACCURACY

ST 2984.3 SR 399.7 SS 709.6
 CRT .8835 CRS -.8471 CST -.9972
 LSA 3087.4 MSA 193.9 SSA 12.1
 EL1 3005.2 EL2 185.9 ALF 6.77

LAUNCH DATE DEC 7 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 598.742

RL 147.37 LAL .00 LOL 74.68 VL 26.146 GAL 12.51 AZL 86.54 HCA 303.23 SMA 118.76 ECC .31975 INC 3.4584 V1 30.232
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.456 GAP 18.00 AZP 88.10 TAL 149.86 TAP 93.09 RCA 80.79 APO 156.74 V2 34.930
 RC 197.761 GL 11.49 GP .36 ZAL 40.28 ZAP 178.67 ETS 165.89 ZAE 129.00 ETE 180.04 ZAC 110.46 ETC 166.36 CLP 178.72

PLANETOCENTRIC CONIC

C3 59.715 VHL 7.728 DLA 24.26 RAL 29.34 RAD 6569.1 VEL 13.456 PTH 2.46 VHP 11.486 DPA 4.18 RAP 16.35 ECC 1.9828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 28 3368.01 -23.32 122.26 279.45 73.46 5 25 36 2768.0 -25.36 114.19
 90.00 0 4 23 4248.49 1.60 174.68 269.09 61.72 1 15 12 3648.5 -2.19 168.06
 100.00 6 11 18 3039.69 -25.85 98.91 280.25 74.45 7 1 58 2439.7 -27.74 90.61
 100.00 1 5 14 4052.05 3.91 158.97 267.81 60.34 2 12 46 3452.0 -.06 152.44
 110.00 7 59 40 2700.66 -31.77 74.90 281.99 76.67 8 44 41 2100.7 -33.28 65.99
 110.00 1 33 22 3963.84 9.13 149.09 264.61 56.92 2 39 26 3363.8 4.71 142.79

DIFFERENTIAL CORRECTIONS

TDE 3.4695 TRA 5.7433 TC3-1.3395 BAU 1.0694
 RDE .5337 RRA .0046 RC3 .0120 FAU .00698
 FDE .8101 FRA 1.5656 FC3 -.1012 BSP 18989
 BDE 3.5103 BRA 5.7433 BC3 1.3395 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5720.2 SGR 396.1 SG3 122.4
 RRT .4401 RRF .4270 RTF .9647
 SGB 5733.9 R23 .0009 R13 .9647
 SG1 5722.9 SG2 355.6 THA 1.75

ORBIT DETERMINATION ACCURACY

ST 2930.0 SR 395.7 SS 706.5
 CRT .8793 CRS -.8453 CST -.9976
 LSA 3033.6 MSA 194.0 SSA 11.5
 EL1 2950.7 EL2 187.1 ALF 6.80

LAUNCH DATE DEC 7 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 602.972

RL 147.37 LAL .00 LOL 74.68 VL 26.112 GAL 13.72 AZL 86.53 HCA 306.42 SMA 118.57 ECC .33460 INC 3.4667 V1 30.232
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.444 GAP 18.95 AZP 87.94 TAL 148.57 TAP 94.99 RCA 78.90 APO 158.24 V2 34.942
 RC 199.580 GL 10.74 GP .36 ZAL 38.68 ZAP 177.73 ETS 172.79 ZAE 128.85 ETE 180.07 ZAC 112.61 ETC 166.23 CLP 177.75

PLANETOCENTRIC CONIC

C3 67.763 VHL 8.232 DLA 24.06 RAL 31.12 RAD 6569.3 VEL 13.752 PTH 2.51 VHP 12.067 DPA 5.08 RAP 18.39 ECC 2.1152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 46 3387.42 -22.94 123.56 283.40 72.92 5 36 13 2787.4 -25.06 115.53
 90.00 0 8 19 4290.02 2.94 177.00 272.57 61.82 1 19 49 3690.0 -.85 170.37
 100.00 6 21 3 3060.83 -25.46 100.35 284.23 73.78 7 12 4 2460.8 -27.44 92.11
 100.00 1 9 42 4091.84 5.25 161.17 271.30 60.53 2 17 54 3491.8 1.29 154.63
 110.00 8 8 38 2724.24 -31.39 76.63 286.06 75.71 8 54 3 2124.2 -33.03 67.79
 110.00 1 38 37 4001.20 10.51 151.10 268.10 57.29 2 45 18 3401.2 6.13 144.75

DIFFERENTIAL CORRECTIONS

TDE 3.5802 TRA 6.2640 TC3-1.1338 BAU 1.0272
 RDE .5605 RRA .0301 RC3 .0082 FAU .00559
 FDE .8116 FRA 1.6317 FC3 -.0714 BSP 18997
 BDE 3.6238 BRA 6.2640 BC3 1.1338 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 5700.4 SGR 391.0 SG3 118.5
 RRT .4740 RRF .4613 RTF .9680
 SGB 5713.7 R23 .0009 R13 .9680
 SG1 5703.4 SG2 344.1 THA 1.87

ORBIT DETERMINATION ACCURACY

ST 2874.9 SR 390.2 SS 705.8
 CRT .8754 CRS -.8440 CST -.9980
 LSA 2979.6 MSA 193.2 SSA 11.0
 EL1 2895.2 EL2 187.3 ALF 6.80

LAUNCH DATE DEC 7 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 606.904

RL 147.37 LAL .00 LOL 74.68 VL 26.078 GAL 15.05 AZL 86.52 HCA 309.61 SMA 118.39 ECC .35117 INC 3.4757 V1 30.232
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.432 GAP 20.01 AZP 87.78 TAL 147.37 TAP 96.98 RCA 76.81 APO 159.96 V2 34.955
 RC 201.376 GL 10.00 GP .35 ZAL 37.21 ZAP 176.73 ETS 175.77 ZAE 128.66 ETE 180.11 ZAC 114.71 ETC 166.07 CLP 176.75

PLANETOCENTRIC CONIC

C3 77.315 VHL 8.793 DLA 23.83 RAL 32.78 RAD 6569.5 VEL 14.095 PTH 2.57 VHP 12.713 DPA 5.96 RAP 20.40 ECC 2.2724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 2 3405.48 -22.57 124.75 287.25 72.43 5 46 48 2805.5 -24.76 116.77
 90.00 0 11 13 4333.84 4.35 179.46 275.94 61.99 1 23 27 3733.8 .57 172.82
 100.00 6 30 44 3080.83 -25.07 101.72 288.10 73.17 7 22 5 2480.8 -27.14 93.52
 100.00 1 13 13 4133.71 6.65 163.49 274.68 60.79 2 22 7 3533.7 2.70 156.92
 110.00 8 17 25 2747.04 -30.99 78.29 290.02 74.81 9 3 12 2147.0 -32.77 69.52
 110.00 1 43 1 4040.27 11.94 153.22 271.49 57.73 2 50 21 3440.3 7.60 146.82

DIFFERENTIAL CORRECTIONS

TDE 3.7057 TRA 6.8322 TC3 -.9406 BAU .9723
 RDE .5879 RRA .0589 RC3 .0057 FAU .00409
 FDE .8172 FRA 1.7056 FC3 -.0458 BSP 18898
 BDE 3.7521 BRA 6.8322 BC3 .9406 FSP -391

MID-COURSE EXECUTION ACCURACY

SGT 5679.2 SGR 385.5 SG3 114.8
 RRT .5082 RRF .4961 RTF .9715
 SGB 5692.3 R23 .0008 R13 .9715
 SG1 5682.6 SG2 331.8 THA 1.98

ORBIT DETERMINATION ACCURACY

ST 2822.2 SR 383.3 SS 708.8
 CRT .8721 CRS -.8433 CST -.9983
 LSA 2928.8 MSA 191.3 SSA 10.5
 EL1 2842.1 EL2 186.2 ALF 6.78

LAUNCH DATE DEC 7 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 610.466

RL 147.37 LAL .00 LOL 74.68 VL 26.046 GAL 16.51 AZL 86.51 MCA 312.81 SMA 118.21 ECC .36976 INC 3.4856 V1 30.232
 RP 108.57 LAP -2.56 LOP 27.54 VP 36.421 GAP 21.19 AZP 87.63 TAL 146.28 TAP 99.08 RCA 74.50 APO 161.92 V2 34.968
 RC 203.147 GL 9.28 GP .35 ZAL 35.86 ZAP 175.68 ETS 177.45 ZAE 128.42 ETE 180.14 ZAC 116.77 ETC 165.88 CLP 175.69

PLANETOCENTRIC CONIC

C3 88.730 VHL 9.420 DLA 23.56 RAL 34.29 RAD 6569.7 VEL 14.494 PTH 2.63 VMP 13.436 DPA 6.82 RAP 22.37 ECC 2.4603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 0 15 3422.12 -22.22 125.85 290.97 71.98 5 57 17 2822.1 -24.48 117.91
 90.00 0 13 7 4379.63 5.80 182.03 279.18 62.24 1 26 7 3779.6 2.04 175.37
 100.00 6 40 17 3099.59 -24.70 102.98 291.84 72.60 7 31 56 2499.6 -26.84 94.84
 100.00 1 15 46 4177.39 8.09 165.93 277.94 61.13 2 25 23 3577.4 4.18 159.33
 110.00 8 25 59 2768.90 -30.59 79.87 293.83 73.95 9 12 7 2168.9 -32.49 71.16
 110.00 1 46 33 4080.85 13.41 155.45 274.78 58.26 2 54 34 3480.8 9.11 148.99

DIFFERENTIAL CORRECTIONS

TDE 3.8395 TRA 7.4449 TC3 -.7646 BAU .9070
 RDE .6155 RRA .0910 RC3 .0041 FAU .00259
 FDE .8249 FRA 1.7860 FC3 -.0252 BSP 18907
 BOE 5.8886 BRA 7.4455 BC3 .7646 FSP -379

MID-COURSE EXECUTION ACCURACY

SGT 5651.0 SGR 379.3 SG3 111.3
 RRT .5419 RRF .5303 RTF .9749
 SGB 5663.7 R23 .0004 R13 .9749
 SGI 5654.7 SG2 318.6 TMA 2.09

ORBIT DETERMINATION ACCURACY

ST 2766.3 SR 374.8 SS 713.9
 CRT .8691 CRS -.8429 CST -.9986
 LSA 2875.2 MSA 188.5 SSA 10.0
 EL1 2785.5 EL2 184.1 ALF 6.75

LAUNCH DATE DEC 7 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 613.565

RL 147.37 LAL .00 LOL 74.68 VL 26.015 GAL 18.13 AZL 86.50 HCA 316.00 SMA 118.04 ECC .39067 INC 3.4965 V1 30.232
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.411 GAP 22.53 AZP 87.48 TAL 145.32 TAP 101.32 RCA 71.93 APO 164.16 V2 34.981
 RC 204.893 GL 8.57 GP .34 ZAL 34.65 ZAP 174.56 ETS 178.54 ZAE 128.12 ETE 180.17 ZAC 118.76 ETC 165.66 CLP 174.57

PLANETOCENTRIC CONIC

C3 102.475 VHL 10.123 DLA 23.24 RAL 35.66 RAD 6570.0 VEL 14.960 PTH 2.70 VMP 14.251 DPA 7.64 RAP 24.29 ECC 2.6865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 18 3437.21 -21.90 126.84 294.55 71.59 6 7 36 2837.2 -24.22 118.93
 90.00 0 13 59 4427.09 7.30 184.72 282.28 62.56 1 27 46 3827.1 3.57 178.03
 100.00 6 49 39 3116.92 -24.34 104.15 295.42 72.09 7 41 35 2516.9 -26.56 96.05
 100.00 1 17 20 4222.61 9.57 168.48 281.06 61.55 2 27 43 3622.6 5.69 161.83
 110.00 8 34 16 2789.61 -30.19 81.35 297.48 73.16 9 20 45 2189.6 -32.20 72.71
 110.00 1 49 12 4122.68 14.89 157.79 277.95 58.87 2 57 55 3522.7 10.66 151.24

DIFFERENTIAL CORRECTIONS

TDE 3.9901 TRA 8.1140 TC3 -.6026 BAU .8256
 RDE .6438 RRA .1268 RC3 .0035 FAU .00095
 FDE .8367 FRA 1.8759 FC3 -.0080 BSP 18893
 BOE 4.0417 BRA 8.1150 BC3 .6026 FSP -368

MID-COURSE EXECUTION ACCURACY

SGT 5618.8 SGR 372.7 SG3 107.9
 RRT .5753 RRF .5644 RTF .9783
 SGB 5631.2 R23 -.0001 R13 .9783
 SGI 5622.9 SG2 304.6 TMA 2.19

ORBIT DETERMINATION ACCURACY

ST 2711.1 SR 365.1 SS 722.7
 CRT .8668 CRS -.8432 CST -.9989
 LSA 2823.4 MSA 184.6 SSA 9.4
 EL1 2729.6 EL2 180.8 ALF 6.69

LAUNCH DATE DEC 7 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 616.078

RL 147.37 LAL .00 LOL 74.68 VL 25.986 GAL 19.94 AZL 86.49 HCA 319.20 SMA 117.88 ECC .41430 INC 3.5088 V1 30.232
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.403 GAP 24.05 AZP 87.34 TAL 144.53 TAP 103.73 RCA 69.04 APO 166.72 V2 34.994
 RC 206.614 GL 7.87 GP .34 ZAL 33.58 ZAP 173.36 ETS 179.33 ZAE 127.73 ETE 180.21 ZAC 120.68 ETC 165.41 CLP 173.37

PLANETOCENTRIC CONIC

C3 119.165 VHL 10.916 DLA 22.89 RAL 36.88 RAD 6570.2 VEL 15.508 PTH 2.77 VMP 15.175 DPA 8.43 RAP 26.14 ECC 2.9612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 10 3450.52 -21.61 127.71 297.95 71.25 6 17 41 2850.5 -23.98 119.83
 90.00 0 13 49 4475.95 8.82 187.50 285.22 62.98 1 28 25 3875.9 5.13 180.77
 100.00 6 58 46 3132.58 -24.01 105.19 298.82 71.63 7 50 59 2532.6 -26.29 97.14
 100.00 1 17 53 4269.13 11.06 171.12 284.04 62.05 2 29 2 3669.1 7.24 164.42
 110.00 8 42 14 2808.90 -29.81 82.71 300.93 72.43 9 29 3 2208.9 -31.92 74.14
 110.00 1 50 55 4165.57 16.39 160.21 280.98 59.57 3 0 21 3565.6 12.23 153.58

DIFFERENTIAL CORRECTIONS

TDE 4.1611 TRA 8.8477 TC3 -.4544 BAU .7240
 RDE .6727 RRA .1667 RC3 .0036 FAU .00088
 FDE .8533 FRA 1.9771 FC3 .0064 BSP 18852
 BOE 4.2152 BRA 8.8493 BC3 .4544 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 5582.6 SGR 365.7 SG3 104.7
 RRT .6084 RRF .5982 RTF .9815
 SGB 5594.6 R23 -.0007 R13 .9815
 SGI 5587.0 SG2 290.0 TMA 2.29

ORBIT DETERMINATION ACCURACY

ST 2656.7 SR 354.2 SS 735.6
 CRT .8652 CRS -.8441 CST -.9991
 LSA 2773.5 MSA 179.7 SSA 8.9
 EL1 2674.4 EL2 176.4 ALF 6.61

LAUNCH DATE DEC 7 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 617.842

RL 147.37 LAL .00 LOL 74.68 VL 25.958 GAL 21.98 AZL 86.48 HCA 322.40 SMA 117.73 ECC .44111 INC 3.5229 V1 30.232
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.396 GAP 25.79 AZP 87.21 TAL 143.93 TAP 106.33 RCA 65.80 APO 169.66 V2 35.007
 RC 208.309 GL 7.19 GP .33 ZAL 32.67 ZAP 172.07 ETS 179.92 ZAE 127.25 ETE 180.24 ZAC 122.50 ETC 165.14 CLP 172.08

PLANETOCENTRIC CONIC

C3 139.621 VHL 11.816 DLA 22.50 RAL 37.92 RAD 6570.5 VEL 16.154 PTH 2.84 VMP 16.228 DPA 9.17 RAP 27.92 ECC 3.2978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 46 3461.76 -21.37 128.44 301.13 70.96 6 27 28 2861.8 -23.77 120.59
 90.00 0 12 31 4525.97 10.36 190.37 287.98 63.50 1 27 57 3926.0 6.72 183.59
 100.00 7 7 37 3146.25 -23.71 106.10 302.00 71.24 8 0 3 2546.2 -26.05 98.08
 100.00 1 17 21 4316.72 12.57 173.85 286.84 62.65 2 29 18 3716.7 8.81 167.08
 110.00 8 49 51 2826.43 -29.44 83.95 304.14 71.79 9 36 57 2226.4 -31.64 75.43
 110.00 1 51 37 4209.30 17.88 162.73 283.85 60.37 3 1 46 3609.3 13.80 155.99

DIFFERENTIAL CORRECTIONS

TDE 4.3612 TRA 9.6597 TC3 -.3186 BAU .5947
 RDE .7027 RRA .2111 RC3 .0043 FAU .00303
 FDE .8766 FRA 2.0929 FC3 .0188 BSP 18701
 BOE 4.4175 BRA 9.6620 BC3 .3186 FSP -344

MID-COURSE EXECUTION ACCURACY

SGT 5544.5 SGR 358.5 SG3 101.8
 RRT .6413 RRF .6319 RTF .9846
 SGB 5556.1 R23 -.0014 R13 .9846
 SGI 5549.3 SG2 274.8 TMA 2.38

ORBIT DETERMINATION ACCURACY

ST 2605.0 SR 342.4 SS 754.1
 CRT .8646 CRS -.8461 CST -.9993
 LSA 2727.9 MSA 173.7 SSA 8.4
 EL1 2621.8 EL2 170.9 ALF 6.51

LAUNCH DATE DEC 8 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 16 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.062 GAL -8.15 AZL 86.61 MCA 83.81 SMA 124.15 ECC .23305 INC 3.3896 V1 30.236
 RP 107.56 LAP 3.37 LOP 159.50 VP 37.398 GAP -11.11 AZP 89.63 TAL 209.30 TAP 293.11 RCA 95.21 APO 153.08 V2 35.230
 RC 49.420 GL 17.50 GP -.20 ZAL 133.27 ZAP 11.33 ETS 359.94 ZAE 148.27 ETE 340.09 ZAC 63.74 ETC 162.93 CLP -11.33

PLANETOCENTRIC CONIC
 C3 27.750 VHL 5.268 OLA -3.07 RAL 298.29 RAD 6568.1 VEL 12.212 PTH 2.19 VHP 7.465 DPA -15.33 RAP 331.54 ECC 1.4567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 36 2199.09 -19.19 40.50 164.24 111.23 3 8 15 1599.1 -16.13 33.16
 90.00 13 44 2 5033.62 23.39 221.84 165.99 73.58 15 7 56 4433.6 20.92 214.04
 100.00 3 51 30 1941.31 -20.32 21.07 163.76 112.41 4 23 52 1341.3 -17.11 13.75
 100.00 15 6 49 4766.62 24.56 201.81 165.59 72.40 16 26 16 4166.6 21.92 194.01
 110.00 4 56 28 1737.97 -23.35 4.17 162.30 115.70 5 25 26 1138.0 -19.70 356.94
 110.00 16 18 21 4542.73 27.70 183.59 164.38 69.12 17 34 4 3942.7 24.60 175.79

DIFFERENTIAL CORRECTIONS
 TOE -.2209 TRA -.3596 TC3 .4551 BAU .1766 SGT 664.2 SGR 399.5 SG3 127.6 ST 267.8 SR 366.4 SS 301.3
 ROE -.3364 RRA .0586 RC3 -.1396 FAU .04168 RRT -.0287 RRF .0251 RTF -.6575 CRT .8721 CRS .9839 CST .7928
 FDE .4192 FRA -.2849 FC3 -1.3005 B5P 1812 SGB 775.0 R23 .0045 R13 .6575 LSA 527.7 MSA 133.2 SSA 24.4
 BDE .4024 BRA .3644 BC3 .4760 F5P -326 SGI 664.3 SG2 399.2 THA 178.45 EL1 440.6 EL2 109.0 ALF 55.03

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.230 GAL -8.12 AZL 86.61 MCA 87.06 SMA 125.21 ECC .22488 INC 3.3919 V1 30.236
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.514 GAP -10.20 AZP 89.83 TAL 210.78 TAP 297.84 RCA 97.06 APO 153.37 V2 35.224
 RC 51.018 GL 17.97 GP -.22 ZAL 134.48 ZAP 14.08 ETS 359.83 ZAE 147.95 ETE 340.64 ZAC 64.22 ETC 163.02 CLP -14.07

PLANETOCENTRIC CONIC
 C3 26.720 VHL 5.169 OLA -2.88 RAL 296.80 RAD 6568.1 VEL 12.169 PTH 2.18 VHP 6.979 DPA -15.18 RAP 332.04 ECC 1.4397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 14 2195.58 -19.10 40.28 162.16 111.31 3 0 50 1595.6 -16.04 32.95
 90.00 13 39 31 5018.31 23.10 220.81 163.76 73.15 15 3 9 4418.3 20.57 213.05
 100.00 3 44 14 1937.92 -20.22 20.83 161.68 112.49 4 16 32 1337.5 -17.00 13.52
 100.00 15 2 12 4751.60 24.25 200.80 163.37 71.96 16 21 24 4151.6 21.56 193.04
 110.00 4 49 24 1733.54 -23.22 3.90 160.23 115.82 5 18 17 1133.5 -19.56 356.67
 110.00 16 13 32 4528.35 27.34 182.62 162.14 68.64 17 29 0 3928.4 24.19 174.87

DIFFERENTIAL CORRECTIONS
 TOE -.2227 TRA -.3405 TC3 .4877 BAU .1818 SGT 676.7 SGR 398.8 SG3 145.2 ST 272.0 SR 365.2 SS 325.3
 ROE -.3291 RRA .0533 RC3 -.1452 FAU .04616 RRT -.0296 RRF .0260 RTF -.6675 CRT .8852 CRS .9800 CST .7943
 FDE .4729 FRA -.3576 FC3 -1.4957 B5P 1863 SGB 785.5 R23 .0043 R13 .6676 LSA 542.5 MSA 135.3 SSA 24.9
 BDE .3973 BRA .3446 BC3 .5088 F5P -379 SGI 676.8 SG2 398.6 THA 178.47 EL1 443.3 EL2 104.2 ALF 54.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.379 GAL -8.10 AZL 86.61 MCA 90.30 SMA 126.19 ECC .21777 INC 3.3942 V1 30.236
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.615 GAP -9.34 AZP 90.02 TAL 212.21 TAP 302.51 RCA 98.71 APO 153.66 V2 35.216
 RC 52.701 GL 18.39 GP -.23 ZAL 135.59 ZAP 16.95 ETS 359.75 ZAE 147.89 ETE 341.06 ZAC 64.58 ETC 163.08 CLP -16.95

PLANETOCENTRIC CONIC
 C3 25.871 VHL 5.086 OLA -2.71 RAL 295.42 RAD 6568.0 VEL 12.135 PTH 2.17 VHP 6.521 DPA -15.07 RAP 332.40 ECC 1.4258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 28 2192.82 -19.03 40.11 160.27 111.37 2 54 1 1592.8 -15.96 32.78
 90.00 13 35 15 5005.07 22.83 219.93 161.76 72.78 14 58 40 4405.1 20.26 212.20
 100.00 3 37 33 1934.50 -20.15 20.64 159.80 112.56 4 9 47 1334.5 -16.91 13.34
 100.00 14 57 51 4738.62 23.97 199.94 161.36 71.59 16 16 50 4138.6 21.23 192.21
 110.00 4 42 53 1729.95 -23.12 3.67 158.36 115.91 5 11 43 1130.0 -19.44 356.46
 110.00 16 9 0 4515.94 27.03 181.79 160.12 68.24 17 24 16 3915.9 23.84 174.09

DIFFERENTIAL CORRECTIONS
 TOE -.2224 TRA -.3215 TC3 .5171 BAU .1862 SGT 686.2 SGR 397.2 SG3 165.4 ST 273.5 SR 363.1 SS 350.4
 ROE -.3220 RRA .0483 RC3 -.1499 FAU .05134 RRT -.0335 RRF .0279 RTF -.6768 CRT .8961 CRS .9756 CST .7946
 FDE .5339 FRA -.4425 FC3 -1.7179 B5P 1937 SGB 792.9 R23 .0062 R13 .6768 LSA 556.6 MSA 138.0 SSA 25.4
 BDE .3913 BRA .3251 BC3 .5384 F5P -442 SGI 686.4 SG2 396.9 THA 178.33 EL1 443.6 EL2 99.4 ALF 53.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.511 GAL -8.08 AZL 86.60 MCA 93.54 SMA 127.06 ECC .21160 INC 3.3965 V1 30.236
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.704 GAP -8.51 AZP 90.21 TAL 213.57 TAP 307.11 RCA 100.17 APO 153.95 V2 35.208
 RC 54.462 GL 18.76 GP -.25 ZAL 136.61 ZAP 19.97 ETS 359.69 ZAE 148.13 ETE 341.34 ZAC 64.80 ETC 163.12 CLP -19.97

PLANETOCENTRIC CONIC
 C3 25.168 VHL 5.017 OLA -2.56 RAL 294.15 RAD 6568.0 VEL 12.106 PTH 2.17 VHP 6.093 DPA -15.01 RAP 332.62 ECC 1.4142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 17 2190.71 -18.98 39.98 158.58 111.41 2 47 48 1590.7 -15.91 32.65
 90.00 13 31 19 4993.58 22.60 219.17 159.96 72.47 14 54 33 4393.6 19.99 211.47
 100.00 3 31 26 1932.17 -20.08 20.49 158.11 112.62 4 3 38 1332.2 -16.85 13.19
 100.00 14 53 51 4727.36 23.73 199.19 159.56 71.27 16 12 38 4127.4 20.95 191.50
 110.00 4 36 56 1727.11 -23.03 3.50 156.68 115.99 5 5 43 1127.1 -19.35 356.29
 110.00 16 4 50 4505.18 26.76 181.08 158.31 67.89 17 19 55 3905.2 23.52 173.41

DIFFERENTIAL CORRECTIONS
 TOE -.2225 TRA -.3063 TC3 .5376 BAU .1882 SGT 691.5 SGR 394.6 SG3 188.4 ST 275.4 SR 360.1 SS 377.9
 ROE -.3150 RRA .0439 RC3 -.1538 FAU .05719 RRT -.0344 RRF .0292 RTF -.6798 CRT .9050 CRS .9716 CST .7950
 FDE .6051 FRA -.5384 FC3 -1.9673 B5P 1954 SGB 796.2 R23 .0055 R13 .6798 LSA 572.4 MSA 141.7 SSA 25.5
 BDE .3856 BRA .3094 BC3 .5592 F5P -512 SGI 691.7 SG2 394.3 THA 178.33 EL1 443.2 EL2 95.2 ALF 53.34

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 214.213

RL 147.35 LAL .00 LOL 75.70 VL 27.627 GAL -8.07 AZL 86.60 MCA 96.77 SMA 127.84 ECC .20626 INC 3.3988 V1 30.236
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.781 GAP -7.72 AZP 90.40 TAL 214.84 TAP 311.61 RCA 101.47 APO 154.21 V2 35.200
 RC 56.291 GL 19.09 GP -.27 ZAL 137.51 ZAP 23.15 ETS 359.63 ZAE 148.66 ETE 341.48 ZAC 64.85 ETC 163.12 CLP -23.15

PLANETOCENTRIC CONIC

C3 24.584 VHL 4.958 DLA -2.43 RAL 293.00 RAD 6568.0 VEL 12.081 PTH 2.16 VHP 5.694 DPA -15.01 RAP 332.68 ECC 1.4046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 42 2189.17 -18.94 39.88 157.08 111.45 2 42 11 1589.2 -15.86 32.56
 90.00 13 27 46 4983.55 22.39 218.51 158.37 72.20 14 50 49 4383.5 19.75 210.83
 100.00 3 25 55 1930.42 -20.04 20.38 156.61 112.66 3 58 5 1330.4 -16.80 13.09
 100.00 14 50 14 4717.53 23.51 198.54 157.96 70.99 16 8 52 4117.5 20.70 190.87
 110.00 4 31 34 1724.90 -22.97 3.36 155.19 116.04 5 0 19 1124.9 -19.28 356.16
 110.00 16 1 4 4495.82 26.52 180.46 156.71 67.59 17 16 0 3895.8 23.25 172.02

DIFFERENTIAL CORRECTIONS

TDE -.2210 TRA -.2936 TC3 .5503 BAU .1881
 RDE -.3079 RRA .0399 RC3 -.1568 FAU .06384
 FDE .6870 FRA -.6476 FC3-2.2483 BSP 1953
 BDE .3790 BRA .2963 BC3 .5722 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 691.6 SGR 391.0 SG3 214.5
 RRT -.0357 RRF .0305 RTF -.6786
 SGB 794.5 R23 .0050 R13 .6786
 SG1 691.8 SG2 390.6 THA 178.30

ORBIT DETERMINATION ACCURACY

ST 275.5 SR 356.1 SS 407.2
 CRT .9113 CRS .9677 CST .7936
 LSA 588.7 MSA 146.0 SSA 25.4
 EL1 440.8 EL2 91.7 ALF 52.95

LAUNCH DATE DEC 8 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 220.944

RL 147.35 LAL .00 LOL 75.70 VL 27.728 GAL -8.06 AZL 86.60 MCA 100.01 SMA 128.54 ECC .20166 INC 3.4011 V1 30.236
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.847 GAP -6.97 AZP 90.59 TAL 216.00 TAP 316.01 RCA 102.62 APO 154.46 V2 35.191
 RC 58.184 GL 19.38 GP -.29 ZAL 138.31 ZAP 26.52 ETS 359.58 ZAE 149.49 ETE 341.45 ZAC 64.73 ETC 163.08 CLP -26.52

PLANETOCENTRIC CONIC

C3 24.093 VHL 4.908 DLA -2.30 RAL 291.98 RAD 6568.0 VEL 12.061 PTH 2.16 VHP 5.322 DPA -15.08 RAP 332.56 ECC 1.3965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 41 2188.14 -18.92 39.81 155.76 111.47 2 37 9 1588.1 -15.84 32.49
 90.00 13 24 38 4974.69 22.21 217.93 156.96 71.96 14 47 32 4374.7 19.53 210.27
 100.00 3 20 57 1929.20 -20.01 20.30 155.29 112.69 3 53 7 1329.2 -16.76 13.02
 100.00 14 47 2 4708.86 23.32 197.97 156.56 70.75 16 5 31 4108.9 20.48 190.32
 110.00 4 26 45 1723.26 -22.92 3.26 153.87 116.09 4 55 28 1123.3 -19.22 356.07
 110.00 15 57 44 4487.57 26.30 179.91 155.30 67.34 17 12 32 3887.6 23.00 172.31

DIFFERENTIAL CORRECTIONS

TDE -.2177 TRA -.2843 TC3 .5539 BAU .1856
 RDE -.3006 RRA .0364 RC3 -.1590 FAU .07139
 FDE .7809 FRA -.7707 FC3-2.5651 BSP 1925
 BDE .3712 BRA .2867 BC3 .5763 FSP -685

MID-COURSE EXECUTION ACCURACY

SGT 686.0 SGR 386.4 SG3 244.1
 RRT -.0371 RRF .0321 RTF -.6717
 SGB 787.3 R23 .0043 R13 .6717
 SG1 686.2 SG2 386.0 THA 178.25

ORBIT DETERMINATION ACCURACY

ST 273.5 SR 351.1 SS 438.5
 CRT .9146 CRS .9643 CST .7898
 LSA 605.0 MSA 150.7 SSA 25.1
 EL1 436.1 EL2 89.0 ALF 52.72

LAUNCH DATE DEC 8 1965

FLIGHT TIME 82.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 227.649

RL 147.35 LAL .00 LOL 75.70 VL 27.816 GAL -8.05 AZL 86.60 MCA 103.25 SMA 129.15 ECC .19771 INC 3.4034 V1 30.236
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.902 GAP -6.26 AZP 90.78 TAL 217.03 TAP 320.30 RCA 103.62 APO 154.68 V2 35.181
 RC 60.133 GL 19.64 GP -.32 ZAL 139.00 ZAP 30.10 ETS 359.52 ZAE 150.64 ETE 341.23 ZAC 64.41 ETC 163.01 CLP -30.10

PLANETOCENTRIC CONIC

C3 23.677 VHL 4.866 DLA -2.18 RAL 291.09 RAD 6568.0 VEL 12.044 PTH 2.15 VHP 4.977 DPA -15.22 RAP 332.23 ECC 1.3897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 14 2187.55 -18.90 39.78 154.60 111.48 2 32 41 1587.5 -15.82 32.46
 90.00 13 21 56 4966.74 22.04 217.40 155.73 71.75 14 44 43 4366.7 19.34 209.77
 100.00 3 16 33 1928.43 -19.99 20.26 154.13 112.70 3 48 42 1328.4 -16.74 12.97
 100.00 14 44 17 4701.09 23.14 197.46 155.32 70.53 16 2 38 4101.1 20.28 189.83
 110.00 4 22 28 1722.09 -22.88 3.18 152.72 116.12 4 51 10 1122.1 -19.18 356.00
 110.00 15 54 52 4480.19 26.11 179.43 154.06 67.11 17 9 32 3880.2 22.78 171.85

DIFFERENTIAL CORRECTIONS

TDE -.2105 TRA -.2778 TC3 .5494 BAU .1812
 RDE -.2930 RRA .0332 RC3 -.1606 FAU .07997
 FDE .8853 FRA -.9108 FC3-2.9243 BSP 1900
 BDE .3608 BRA .2798 BC3 .5724 FSP -794

MID-COURSE EXECUTION ACCURACY

SGT 674.1 SGR 380.8 SG3 277.8
 RRT -.0422 RRF .0352 RTF -.6591
 SGB 774.3 R23 .0056 R13 .6591
 SG1 674.4 SG2 380.3 THA 178.00

ORBIT DETERMINATION ACCURACY

ST 267.1 SR 345.2 SS 470.6
 CRT .9141 CRS .9609 CST .7805
 LSA 622.3 MSA 155.4 SSA 24.8
 EL1 427.7 EL2 87.4 ALF 52.92

LAUNCH DATE DEC 8 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 234.326

RL 147.35 LAL .00 LOL 75.70 VL 27.892 GAL -8.04 AZL 86.59 MCA 106.48 SMA 129.68 ECC .19431 INC 3.4058 V1 30.236
 RP 107.75 LAP 3.27 LOP 182.20 VP 37.948 GAP -5.57 AZP 90.97 TAL 217.98 TAP 324.46 RCA 104.48 APO 154.88 V2 35.171
 RC 62.133 GL 19.86 GP -.34 ZAL 139.58 ZAP 33.89 ETS 359.45 ZAE 152.10 ETE 340.77 ZAC 63.88 ETC 162.88 CLP -33.89

PLANETOCENTRIC CONIC

C3 23.317 VHL 4.829 DLA -2.07 RAL 290.31 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 4.660 DPA -15.43 RAP 331.69 ECC 1.3837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 18 2187.36 -18.90 39.77 153.60 111.49 2 28 45 1587.4 -15.81 32.45
 90.00 13 19 42 4959.44 21.88 216.93 154.66 71.56 14 42 22 4359.4 19.16 209.31
 100.00 3 12 41 1928.07 -19.98 20.23 153.14 112.71 3 44 49 1328.1 -16.73 12.95
 100.00 14 42 0 4693.97 22.98 196.99 154.25 70.34 16 0 14 4094.0 20.09 189.39
 110.00 4 18 43 1721.35 -22.86 3.14 151.73 116.14 4 47 24 1121.3 -19.16 355.95
 110.00 15 52 27 4473.46 25.93 178.98 152.99 66.90 17 7 1 3873.5 22.58 171.43

DIFFERENTIAL CORRECTIONS

TDE -.2020 TRA -.2775 TC3 .5306 BAU .1729
 RDE -.2850 RRA .0305 RC3 -.1615 FAU .08944
 FDE 1.0054 FRA -1.0635 FC3-3.3209 BSP 1802
 BDE .3493 BRA .2792 BC3 .5546 FSP -912

MID-COURSE EXECUTION ACCURACY

SGT 654.7 SGR 374.1 SG3 315.1
 RRT -.0442 RRF .0374 RTF -.6337
 SGB 754.0 R23 .0041 R13 .6338
 SG1 655.0 SG2 373.6 THA 177.86

ORBIT DETERMINATION ACCURACY

ST 259.7 SR 338.3 SS 505.4
 CRT .9092 CRS .9584 CST .7666
 LSA 641.1 MSA 160.3 SSA 24.3
 EL1 417.4 EL2 87.6 ALF 53.20

LAUNCH DATE DEC 8 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 240.974

RL 147.35 LAL .00 LOL 75.70 VL 27.956 GAL -8.02 AZL 86.59 HCA 109.71 SMA 130.13 ECC .19139 INC 3.4083 V1 30.236
 RP 107.78 LAP 3.21 LOP 185.44 VP 37.985 GAP -4.91 AZP 91.15 TAL 218.78 TAP 328.49 RCA 105.23 APO 155.04 V2 35.160
 RC 64.180 GL 20.07 GP -.37 ZAL 140.06 ZAP 37.92 ETS 359.38 ZAE 153.89 ETE 340.01 ZAC 63.12 ETC 162.71 CLP -37.92

PLANETOCENTRIC CONIC

C3 23.000 VML 4.796 DLA -1.95 RAL 289.66 RAD 6567.9 VEL 12.016 PTH 2.14 VHP 4.370 DPA -15.72 RAP 330.92 ECC 1.3785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 51 2187.54 -18.90 39.78 152.75 111.48 2 25 19 1587.5 -15.82 32.46
 90.00 13 17 57 4932.59 21.73 216.48 153.75 71.39 14 40 29 4352.6 18.99 208.88
 100.00 3 9 18 1928.08 -19.98 20.23 152.29 112.71 3 41 26 1328.1 -16.73 12.95
 100.00 14 40 12 4687.29 22.83 196.55 153.34 70.16 15 58 19 4087.3 19.92 188.97
 110.00 4 15 27 1720.98 -22.85 3.11 150.89 116.14 4 44 8 1121.0 -19.15 355.93
 110.00 15 50 32 4467.15 25.76 178.57 152.06 66.71 17 4 59 3867.2 22.39 171.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1898 TRA -.2829 TC3 .4987 BAU .1612 SGT 628.2 SGR 366.5 SG3 356.6 ST 248.9 SR 330.5 SS 541.7
 RDE -.2765 RRA .0282 RC3 -.1617 FAU .09992 RRT -.0464 RRF .0399 RTF -.5928 CRT .8975 CRS .9564 CST .7434
 FDE 1.1391 FRA -1.2304 FC3 -3.7611 BSP 1663 SGB 727.2 R23 .0017 R13 .5929 LSA 660.9 MSA 165.2 SSA 23.8
 BDE .3354 BRA .2843 BC3 .5242 FSP -1045 SGI 628.5 SG2 365.9 THA 177.65 EL1 403.9 EL2 89.8 ALF 53.88

LAUNCH DATE DEC 8 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 247.591

RL 147.35 LAL .00 LOL 75.70 VL 28.009 GAL -8.00 AZL 86.59 HCA 112.94 SMA 130.52 ECC .18889 INC 3.4109 V1 30.236
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.014 GAP -4.29 AZP 91.33 TAL 219.45 TAP 332.39 RCA 105.86 APO 155.17 V2 35.149
 RC 66.268 GL 20.26 GP -.41 ZAL 140.44 ZAP 42.20 ETS 359.29 ZAE 156.00 ETE 338.85 ZAC 62.12 ETC 162.47 CLP -42.20

PLANETOCENTRIC CONIC

C3 22.715 VML 4.766 DLA -1.84 RAL 289.13 RAD 6567.9 VEL 12.004 PTH 2.14 VHP 4.108 DPA -16.10 RAP 329.90 ECC 1.3738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 52 2188.06 -18.92 39.81 152.04 111.47 2 22 21 1588.1 -15.83 32.49
 90.00 13 16 40 4945.99 21.59 216.05 152.97 71.22 14 39 6 4346.0 18.83 208.46
 100.00 3 6 22 1928.43 -19.99 20.26 151.58 112.70 3 38 30 1328.4 -16.74 12.97
 100.00 14 38 52 4680.86 22.68 196.14 152.56 69.99 15 56 53 4080.9 19.75 188.57
 110.00 4 12 39 1720.94 -22.85 3.11 150.18 116.15 4 41 20 1120.9 -19.15 355.93
 110.00 15 49 4 4461.11 25.60 178.18 151.28 66.53 17 3 25 3861.1 22.20 170.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1724 TRA -.2932 TC3 .4542 BAU .1464 SGT 595.6 SGR 357.9 SG3 402.2 ST 233.0 SR 321.7 SS 577.8
 RDE -.2675 RRA .0264 RC3 -.1614 FAU .11148 RRT -.0523 RRF .0441 RTF -.5314 CRT .8745 CRS .9544 CST .7038
 FDE 1.2021 FRA -1.4135 FC3 -4.2488 BSP 1508 SGB 694.9 R23 -.0007 R13 .5316 LSA 680.0 MSA 169.5 SSA 23.3
 BDE .3182 BRA .2944 BC3 .4820 FSP -1199 SGI 596.1 SG2 357.1 THA 177.19 EL1 385.9 EL2 94.2 ALF 55.29

LAUNCH DATE DEC 8 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 254.178

RL 147.35 LAL .00 LOL 75.70 VL 28.053 GAL -7.97 AZL 86.59 HCA 116.16 SMA 130.83 ECC .18674 INC 3.4137 V1 30.236
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.036 GAP -3.69 AZP 91.51 TAL 219.99 TAP 336.16 RCA 106.40 APO 155.26 V2 35.138
 RC 68.394 GL 20.43 GP -.44 ZAL 140.72 ZAP 46.73 ETS 359.18 ZAE 158.42 ETE 337.12 ZAC 60.88 ETC 162.17 CLP -46.73

PLANETOCENTRIC CONIC

C3 22.450 VML 4.738 DLA -1.72 RAL 288.71 RAD 6567.9 VEL 11.993 PTH 2.14 VHP 3.873 DPA -16.56 RAP 328.63 ECC 1.3695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 19 2188.91 -18.94 39.86 151.45 111.45 2 19 48 1588.9 -15.86 32.54
 90.00 13 15 52 4939.46 21.45 215.62 152.32 71.05 14 38 12 4339.5 18.66 208.05
 100.00 3 3 51 1929.10 -20.00 20.30 150.99 112.69 3 36 0 1329.1 -16.76 13.01
 100.00 14 38 1 4674.51 22.53 195.72 151.90 69.82 15 55 55 4074.5 19.58 188.17
 110.00 4 10 16 1721.21 -22.86 3.13 149.60 116.14 4 38 57 1121.2 -19.16 355.95
 110.00 15 48 6 4455.16 25.44 177.79 150.62 66.35 17 2 21 3855.2 22.02 170.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1519 TRA -.3121 TC3 .3910 BAU .1268 SGT 560.0 SGR 348.2 SG3 450.5 ST 216.1 SR 312.0 SS 616.0
 RDE -.2579 RRA .0249 RC3 -.1603 FAU .12362 RRT -.0532 RRF .0465 RTF -.4324 CRT .8337 CRS .9536 CST .6426
 FDE 1.4403 FRA -1.6010 FC3 -4.7670 BSP 1263 SGB 659.4 R23 -.0091 R13 .4329 LSA 702.1 MSA 173.7 SSA 22.6
 BDE .2993 BRA .3131 BC3 .4226 FSP -1357 SGI 560.5 SG2 347.4 THA 176.92 EL1 365.7 EL2 101.8 ALF 57.13

LAUNCH DATE DEC 8 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 260.733

RL 147.35 LAL .00 LOL 75.70 VL 28.088 GAL -7.94 AZL 86.58 HCA 119.39 SMA 131.09 ECC .18489 INC 3.4166 V1 30.236
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.051 GAP -3.12 AZP 91.68 TAL 220.40 TAP 339.79 RCA 106.85 APO 155.32 V2 35.126
 RC 70.553 GL 20.60 GP -.48 ZAL 140.90 ZAP 51.51 ETS 359.07 ZAE 161.12 ETE 334.52 ZAC 59.40 ETC 161.80 CLP -51.51

PLANETOCENTRIC CONIC

C3 22.200 VML 4.712 DLA -1.59 RAL 288.39 RAD 6567.9 VEL 11.982 PTH 2.14 VHP 3.666 DPA -17.09 RAP 327.10 ECC 1.3654
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 8 2190.09 -18.97 39.94 150.98 111.43 2 17 38 1590.1 -15.89 32.61
 90.00 13 15 33 4932.85 21.30 215.19 151.78 70.89 14 37 46 4332.8 18.50 207.64
 100.00 3 1 44 1930.09 -20.03 20.36 150.53 112.66 3 33 54 1330.1 -16.79 13.07
 100.00 14 37 38 4668.08 22.38 195.31 151.36 69.65 15 55 26 4068.1 19.41 187.77
 110.00 4 8 17 1721.78 -22.87 3.16 149.14 116.12 4 36 58 1121.8 -19.17 355.98
 110.00 15 47 35 4449.15 25.27 177.40 150.08 66.18 17 1 44 3849.2 21.83 169.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1264 TRA -.3383 TC3 .3104 BAU .1034 SGT 527.8 SGR 337.6 SG3 501.1 ST 197.4 SR 301.5 SS 654.3
 RDE -.2478 RRA .0240 RC3 -.1584 FAU .13625 RRT -.0525 RRF .0485 RTF -.2835 CRT .7597 CRS .9534 CST .5419
 FDE 1.6066 FRA -1.7919 FC3 -5.3133 BSP 958 SGB 626.5 R23 -.0234 R13 .2846 LSA 725.3 MSA 177.4 SSA 21.9
 BDE .2782 BRA .3392 BC3 .3485 FSP -1523 SGI 528.3 SG2 336.8 THA 176.76 EL1 342.2 EL2 113.1 ALF 59.94

LAUNCH DATE DEC 8 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 267.257

RL 147.35 LAL .00 LOL 75.70 VL 28.115 GAL -7.90 AZL 86.58 HCA 122.61 SMA 131.28 ECC .18329 INC 3.4197 V1 30.236
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.059 GAP -2.57 AZP 91.84 TAL 220.69 TAP 343.30 RCA 107.22 APO 155.34 V2 35.114
 RC 72.741 GL 20.76 GP -.52 ZAL 140.99 ZAP 56.53 ETS 358.93 ZAE 164.04 ETE 330.51 ZAC 57.70 ETC 161.34 CLP -56.53

PLANETOCENTRIC CONIC

C3 21.957 VML 4.686 DLA -1.46 RAL 288.18 RAD 6567.9 VEL 11.972 PTH 2.13 VMP 3.487 DPA -17.68 RAP 325.32 ECC 1.3614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 18 2191.59 -19.00 40.03 150.63 111.40 2 15 50 1591.6 -15.93 32.70
 90.00 13 15 43 4926.03 21.15 214.75 151.35 70.72 14 37 49 4326.0 18.32 207.21
 100.00 2 59 58 1931.38 -20.06 20.44 150.17 112.64 3 32 9 1331.4 -16.82 13.15
 100.00 14 37 44 4661.46 22.22 194.88 150.93 69.47 15 55 25 4061.5 19.23 187.36
 110.00 4 6 39 1722.63 -22.90 3.22 148.79 116.10 4 35 22 1122.6 -19.20 356.03
 110.00 15 47 32 4442.98 25.10 177.00 149.64 66.00 17 1 35 3843.0 21.64 169.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0947 TRA -.3713 TC3 .2136 BAU .0776 SGT 509.6 SGR 326.1 SG3 553.2 ST 178.9 SR 290.3 SS 689.7
 RDE -.2373 RRA .0235 RC3 -.1557 FAU .14927 RRT -.0520 RRF .0513 RTF -.0772 CRT .6239 CRS .9531 CST .3722
 FDE 1.7701 FRA -1.9851 FC3 -5.8855 BSP 616 SGB 605.0 R23 -.0445 R13 .0789 LSA 747.7 MSA 180.3 SSA 21.3
 BDE .2555 BRA .3720 BC3 .2643 FSP -1705 SG1 510.1 SG2 325.3 THA 176.78 EL1 315.9 EL2 128.5 ALF 64.44

LAUNCH DATE DEC 8 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 273.749

RL 147.35 LAL .00 LOL 75.70 VL 28.134 GAL -7.86 AZL 86.58 HCA 125.83 SMA 131.42 ECC .18192 INC 3.4229 V1 30.236
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.062 GAP -2.04 AZP 92.01 TAL 220.85 TAP 346.68 RCA 107.51 APO 155.33 V2 35.101
 RC 74.954 GL 20.92 GP -.57 ZAL 141.00 ZAP 61.75 ETS 358.78 ZAE 167.08 ETE 324.06 ZAC 55.81 ETC 160.79 CLP -61.75

PLANETOCENTRIC CONIC

C3 21.717 VML 4.660 DLA -1.31 RAL 288.07 RAD 6567.9 VEL 11.962 PTH 2.13 VMP 3.335 DPA -18.32 RAP 323.33 ECC 1.3574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 47 2193.42 -19.05 40.15 150.37 111.36 2 14 20 1593.4 -15.98 32.82
 90.00 13 16 21 4918.87 20.98 214.29 151.02 70.54 14 38 19 4318.9 18.14 206.77
 100.00 2 58 31 1933.00 -20.11 20.54 149.91 112.60 3 30 44 1333.0 -16.87 13.24
 100.00 14 38 18 4654.52 22.05 194.43 150.60 69.29 15 55 52 4054.5 19.04 186.93
 110.00 4 5 21 1723.76 -22.93 3.29 148.54 116.07 4 34 5 1123.8 -19.24 356.10
 110.00 15 47 57 4436.52 24.92 176.59 149.30 65.81 17 1 53 3836.5 21.44 169.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0589 TRA -.4130 TC3 .0960 BAU .0522 SGT 520.8 SGR 313.6 SG3 603.5 ST 168.7 SR 278.5 SS 725.2
 RDE -.2263 RRA .0236 RC3 -.1519 FAU .16163 RRT -.0443 RRF .0506 RTF .1759 CRT .4002 CRS .9541 CST .1209
 FDE 1.9361 FRA -2.1598 FC3 -6.4434 BSP 187 SGB 607.9 R23 -.0629 R13 -.1743 LSA 773.3 MSA 182.9 SSA 20.5
 BDE .2339 BRA .4137 BC3 .1797 FSP -1872 SG1 521.1 SG2 313.1 THA 177.61 EL1 289.7 EL2 148.6 ALF 71.27

LAUNCH DATE DEC 8 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 280.210

RL 147.35 LAL .00 LOL 75.70 VL 28.146 GAL -7.80 AZL 86.57 HCA 129.05 SMA 131.51 ECC .18072 INC 3.4265 V1 30.236
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.060 GAP -1.54 AZP 92.16 TAL 220.89 TAP 349.94 RCA 107.75 APO 155.28 V2 35.089
 RC 77.191 GL 21.08 GP -.62 ZAL 140.92 ZAP 67.13 ETS 358.62 ZAE 170.02 ETE 312.92 ZAC 53.76 ETC 160.15 CLP -67.13

PLANETOCENTRIC CONIC

C3 21.475 VML 4.634 DLA -1.16 RAL 288.06 RAD 6567.9 VEL 11.952 PTH 2.13 VMP 3.211 DPA -18.99 RAP 321.16 ECC 1.3554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 32 2195.61 -19.10 40.28 150.20 111.31 2 13 8 1595.6 -16.04 32.95
 90.00 13 17 26 4911.28 20.81 213.80 150.77 70.35 14 39 18 4311.3 17.94 206.30
 100.00 2 57 21 1934.95 -20.16 20.67 149.75 112.55 3 29 36 1335.0 -16.93 13.36
 100.00 14 39 19 4647.17 21.88 193.95 150.35 69.11 15 56 46 4047.2 18.84 186.48
 110.00 4 4 21 1725.19 -22.97 3.38 148.38 116.04 4 33 7 1125.2 -19.29 356.18
 110.00 15 48 48 4429.70 24.73 176.15 149.05 65.61 17 2 38 3829.7 21.23 168.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0172 TRA -.4611 TC3 -.0385 BAU .0436 SGT 571.7 SGR 300.3 SG3 651.3 ST 172.4 SR 266.1 SS 755.6
 RDE -.2151 RRA .0241 RC3 -.1470 FAU .17335 RRT -.0377 RRF .0493 RTF .4204 CRT .0903 CRS .9549 CST -.1971
 FDE 2.0840 FRA -2.3200 FC3 -6.9885 BSP 308 SGB 645.8 R23 -.0712 R13 -.4194 LSA 798.1 MSA 184.5 SSA 19.8
 BDE .2158 BRA .4617 BC3 .1519 FSP -2043 SG1 571.9 SG2 300.0 THA 178.44 EL1 266.9 EL2 171.2 ALF 84.30

LAUNCH DATE DEC 8 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 286.641

RL 147.35 LAL .00 LOL 75.70 VL 28.153 GAL -7.74 AZL 86.57 HCA 132.26 SMA 131.56 ECC .17969 INC 3.4304 V1 30.236
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.052 GAP -1.05 AZP 92.31 TAL 220.82 TAP 353.08 RCA 107.92 APO 155.20 V2 35.076
 RC 79.446 GL 21.24 GP -.67 ZAL 140.76 ZAP 72.61 ETS 358.46 ZAE 172.38 ETE 292.85 ZAC 51.63 ETC 159.42 CLP -72.61

PLANETOCENTRIC CONIC

C3 21.228 VML 4.607 DLA -.98 RAL 288.13 RAD 6567.9 VEL 11.942 PTH 2.13 VMP 3.114 DPA -19.67 RAP 318.87 ECC 1.3494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 33 2198.17 -19.17 40.44 150.13 111.25 2 12 11 1598.2 -16.11 33.10
 90.00 13 19 0 4903.15 20.62 213.28 150.61 70.16 14 40 43 4303.2 17.73 205.79
 100.00 2 56 26 1937.26 -20.22 20.81 149.68 112.50 3 28 43 1337.3 -16.99 13.50
 100.00 14 40 48 4639.30 21.68 193.45 150.18 68.91 15 58 8 4039.3 18.62 185.99
 110.00 4 3 38 1726.92 -23.03 3.48 148.32 115.99 4 32 25 1126.9 -19.34 356.28
 110.00 15 50 6 4422.40 24.52 175.68 148.88 65.41 17 3 48 3822.4 21.00 168.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0280 TRA -.5164 TC3 -.1916 BAU .0675 SGT 667.0 SGR 286.0 SG3 692.7 ST 195.9 SR 253.3 SS 784.1
 RDE -.2035 RRA .0252 RC3 -.1406 FAU .18326 RRT -.0317 RRF .0428 RTF .6103 CRT -.2137 CRS .9569 CST -.4779
 FDE 2.2201 FRA -2.4429 FC3 -7.4737 BSP 863 SGB 725.7 R23 -.0666 R13 -.6098 LSA 826.0 MSA 186.0 SSA 19.0
 BDE .2054 BRA .5170 BC3 .2377 FSP -2184 SG1 667.1 SG2 285.8 THA 179.04 EL1 260.7 EL2 185.9 ALF 109.71

LAUNCH DATE DEC 8 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

RL 147.35 LAL .00 LOL 75.70 VL 28.153 GAL -7.67 AZL 86.57 MCA 135.48 SMA 131.56 ECC .17879 INC 3.4348 V1 30.236
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.041 GAP -.59 AZP 92.45 TAL 220.64 TAP 356.11 RCA 108.04 APO 155.09 V2 35.063
 RC 81.719 GL 21.41 GP -.72 ZAL 140.52 ZAP 78.14 ETS 358.28 ZAE 175.19 ETE 261.77 ZAC 49.46 ETC 158.61 CLP -78.14

PLANETOCENTRIC CONIC

C3 20.975 VML 4.580 DLA -.80 RAL 288.28 RAD 6567.9 VEL 11.931 PTH 2.12 VMP 3.042 DPA -20.33 RAP 316.50 ECC 1.3452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 46 2201.14 -19.24 40.63 150.13 111.19 2 11 27 1601.1 -16.19 33.28
 90.00 13 21 2 4894.42 20.42 212.72 150.52 69.95 14 42 36 4294.4 17.51 205.25
 100.00 2 55 45 1939.95 -20.29 20.98 149.69 112.44 3 28 5 1339.9 -17.07 13.66
 100.00 14 42 44 4630.85 21.48 192.91 150.09 68.69 15 59 55 4030.9 18.39 185.47
 110.00 4 3 8 1728.98 -23.09 3.61 148.33 115.94 4 31 57 1129.0 -19.41 356.40
 110.00 15 51 50 4414.58 24.30 175.18 148.78 65.19 17 5 25 3814.6 20.75 167.84

DIFFERENTIAL CORRECTIONS

TDE .0775 TRA -.5760 TC3 -.3587 BAU .1073
 RDE -.1918 RRA .0267 RC3 -.1328 FAU .19145
 FDE 2.3224 FRA-2.5356 FC3-7.9020 B8P 1456
 BDE .2068 BRA .5766 BC3 .3825 F8P -2315

MID-COURSE EXECUTION ACCURACY

SGT 797.9 SGR 271.1 SG3 727.5
 RRT -.0340 RRF .0340 RTF .7362
 SGB 842.7 R23 -.0624 R13 -.7359
 SG1 798.0 SG2 270.9 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 237.1 SR 240.2 SS 805.6
 CRT -.4457 CRS .9589 CST -.6734
 LSA 853.1 MSA 186.5 SSA 18.3
 EL1 287.0 EL2 177.7 ALF 134.18

LAUNCH DATE DEC 8 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

RL 147.35 LAL .00 LOL 75.70 VL 28.149 GAL -7.60 AZL 86.56 MCA 138.69 SMA 131.53 ECC .17800 INC 3.4396 V1 30.236
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.025 GAP -.14 AZP 92.58 TAL 220.36 TAP 359.04 RCA 108.12 APO 154.94 V2 35.050
 RC 84.008 GL 21.58 GP -.77 ZAL 140.21 ZAP 83.64 ETS 358.11 ZAE 171.88 ETE 232.58 ZAC 47.32 ETC 157.73 CLP -83.64

PLANETOCENTRIC CONIC

C3 20.714 VML 4.551 DLA -.59 RAL 288.52 RAD 6567.8 VEL 11.920 PTH 2.12 VMP 2.995 DPA -20.96 RAP 314.15 ECC 1.3409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 11 2204.57 -19.32 40.85 150.21 111.11 2 10 56 1604.6 -16.28 33.49
 90.00 13 23 31 4884.99 20.20 212.11 150.50 69.72 14 44 56 4285.0 17.26 204.67
 100.00 2 55 15 1943.06 -20.37 21.18 149.77 112.36 3 27 38 1343.1 -17.16 13.85
 100.00 14 45 8 4621.73 21.25 192.32 150.07 68.47 16 2 10 4021.7 18.14 184.91
 110.00 4 2 52 1731.40 -23.16 3.76 148.43 115.87 4 31 44 1131.4 -19.49 356.55
 110.00 15 54 0 4406.15 24.06 174.65 148.76 64.95 17 7 26 3806.2 20.48 167.33

DIFFERENTIAL CORRECTIONS

TDE .1291 TRA -.6396 TC3 -.5392 BAU .1532
 RDE -.1799 RRA .0287 RC3 -.1236 FAU .19691
 FDE 2.4012 FRA-2.5783 FC3-8.2297 B8P 2098
 BDE .2214 BRA .6403 BC3 .5532 F8P -2403

MID-COURSE EXECUTION ACCURACY

SGT 957.0 SGR 255.4 SG3 752.2
 RRT -.0437 RRF .0185 RTF .8141
 SGB 990.5 R23 -.0569 R13 -.8139
 SG1 957.0 SG2 255.1 THA 179.28

ORBIT DETERMINATION ACCURACY

ST 291.6 SR 226.7 SS 823.9
 CRT -.5958 CRS .9618 CST -.7864
 LSA 883.2 MSA 186.7 SSA 17.4
 EL1 333.2 EL2 159.3 ALF 146.56

LAUNCH DATE DEC 8 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

RL 147.35 LAL .00 LOL 75.70 VL 28.139 GAL -7.51 AZL 86.55 MCA 141.90 SMA 131.46 ECC .17731 INC 3.4451 V1 30.236
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.006 GAP .28 AZP 92.71 TAL 219.98 TAP 1.88 RCA 108.15 APO 154.77 V2 35.036
 RC 86.309 GL 21.76 GP -.83 ZAL 139.82 ZAP 89.04 ETS 357.93 ZAE 169.22 ETE 214.85 ZAC 45.30 ETC 156.80 CLP -89.04

PLANETOCENTRIC CONIC

C3 20.444 VML 4.522 DLA -.36 RAL 288.84 RAD 6567.8 VEL 11.909 PTH 2.12 VMP 2.971 DPA -21.54 RAP 311.88 ECC 1.3365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 45 2208.50 -19.42 41.10 150.37 111.02 2 10 34 1608.5 -16.39 33.73
 90.00 13 26 28 4874.79 19.96 211.46 150.54 69.49 14 47 43 4274.8 16.99 204.05
 100.00 2 54 56 1946.65 -20.46 21.40 149.93 112.28 3 27 23 1346.7 -17.26 14.07
 100.00 14 47 59 4611.87 21.00 191.70 150.11 68.23 16 4 50 4011.9 17.86 184.31
 110.00 4 2 48 1734.23 -23.24 3.94 148.60 115.80 4 31 42 1134.2 -19.58 356.72
 110.00 15 56 36 4397.05 23.80 174.07 148.80 64.70 17 9 53 3797.1 20.19 166.79

DIFFERENTIAL CORRECTIONS

TDE .1826 TRA -.7050 TC3 -.7292 BAU .2017
 RDE -.1678 RRA .0310 RC3 -.1130 FAU .19963
 FDE 2.4513 FRA-2.5735 FC3-8.4534 B8P 2766
 BDE .2480 BRA .7057 BC3 .7379 F8P -2451

MID-COURSE EXECUTION ACCURACY

SGT 1134.3 SGR 239.1 SG3 766.6
 RRT -.0622 RRF -.0034 RTF .8618
 SGB 1159.2 R23 -.0528 R13 -.8617
 SG1 1134.4 SG2 238.6 THA 179.21

ORBIT DETERMINATION ACCURACY

ST 354.6 SR 212.9 SS 838.1
 CRT -.6924 CRS .9655 CST -.8512
 LSA 915.6 MSA 186.7 SSA 16.4
 EL1 389.2 EL2 140.0 ALF 153.78

LAUNCH DATE DEC 8 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

RL 147.35 LAL .00 LOL 75.70 VL 28.126 GAL -7.42 AZL 86.55 MCA 145.10 SMA 131.36 ECC .17671 INC 3.4515 V1 30.236
 RP 108.20 LAP 1.97 LOP 220.85 VP 37.984 GAP .69 AZP 92.83 TAL 219.51 TAP 4.61 RCA 108.15 APO 154.58 V2 35.023
 RC 88.623 GL 21.96 GP -.90 ZAL 139.36 ZAP 94.28 ETS 357.75 ZAE 168.06 ETE 204.93 ZAC 43.43 ETC 155.85 CLP -94.28

PLANETOCENTRIC CONIC

C3 20.166 VML 4.491 DLA -.11 RAL 289.23 RAD 6567.8 VEL 11.897 PTH 2.11 VMP 2.968 DPA -22.06 RAP 309.76 ECC 1.3319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 28 2212.99 -19.53 41.38 150.60 110.92 2 10 21 1613.0 -16.51 34.01
 90.00 13 29 53 4863.75 19.69 210.76 150.65 69.23 14 50 57 4263.8 16.69 203.37
 100.00 2 54 45 1950.77 -20.57 21.66 150.17 112.18 3 27 16 1350.8 -17.38 14.32
 100.00 14 51 17 4601.20 20.73 191.02 150.22 67.97 16 7 58 4001.2 17.56 183.66
 110.00 4 2 53 1737.52 -23.34 4.15 148.84 115.71 4 31 50 1137.5 -19.69 356.91
 110.00 15 59 38 4387.22 23.51 175.46 148.90 64.44 17 12 46 3787.2 19.87 166.20

DIFFERENTIAL CORRECTIONS

TDE .2365 TRA -.7708 TC3 -.9256 BAU .2510
 RDE -.1556 RRA .0334 RC3 -.1013 FAU .20023
 FDE 2.4583 FRA-2.5378 FC3-8.5957 B8P 3449
 BDE .2831 BRA .7713 BC3 .9311 F8P -2488

MID-COURSE EXECUTION ACCURACY

SGT 1322.4 SGR 222.4 SG3 772.4
 RRT -.0888 RRF -.0292 RTF .8922
 SGB 1341.0 R23 -.0526 R13 -.8921
 SG1 1322.5 SG2 221.5 THA 179.12

ORBIT DETERMINATION ACCURACY

ST 422.7 SR 198.9 SS 844.0
 CRT -.7564 CRS .9688 CST -.8903
 LSA 946.5 MSA 185.8 SSA 15.4
 EL1 451.0 EL2 121.9 ALF 158.78

LAUNCH DATE DEC 8 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 318.352

RL 147.35 LAL .00 LOL 75.70 VL 28.109 GAL -7.32 AZL 86.54 MCA 148.31 SMA 131.24 ECC .17619 INC 3.4589 V1 30.236
 RP 108.24 LAP 1.82 LOP 224.05 VP 37.959 GAP 1.09 AZP 92.94 TAL 218.96 TAP 7.27 RCA 108.11 APO 154.36 V2 35.010
 RC 90.946 GL 22.16 GP -.97 ZAL 138.82 ZAP 99.31 ETS 357.58 ZAE 162.79 ETE 199.00 ZAC 41.76 ETC 154.91 CLP -99.31

PLANETOCENTRIC CONIC

C3 19.879 VHL 4.459 DLA .17 RAL 289.69 RAD 6567.8 VEL 11.885 PTH 2.11 VHP 2.983 DPA -22.52 RAP 307.85 ECC 1.3272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 16 2218.14 -19.65 41.71 150.90 110.80 2 10 14 1618.1 -16.65 34.32
 90.00 13 33 47 4851.78 19.40 210.00 150.82 68.96 14 54 39 4251.8 16.37 202.64
 100.00 2 54 41 1955.51 -20.69 21.96 150.47 112.07 3 27 17 1355.5 -17.51 14.61
 100.00 14 55 3 4589.65 20.43 190.29 150.39 67.70 16 11 33 3989.6 17.23 182.96
 110.00 4 3 7 1741.33 -23.45 4.38 149.15 115.61 4 32 8 1141.3 -19.81 357.14
 110.00 16 3 7 4376.59 23.19 172.79 149.06 64.16 17 16 3 3776.6 19.53 165.57

DIFFERENTIAL CORRECTIONS

TDE .2907 TRA -.8345 TC3-1.1255 BAU .3001
 ROE -.1431 RRA .0358 RC3 -.0886 FAU .19799
 FDE 2.4481 FRA-2.4537 FC3-8.6224 BSP 4128
 BDE .3240 BRA .8352 BC3 1.1290 FSP -2475

MID-COURSE EXECUTION ACCURACY

SGT 1515.5 SGR 205.4 SG3 767.7
 RRT -.1246 RRF -.0637 RTF .9114
 SGB 1529.4 R23 -.0523 R13 -.9113
 SG1 1515.7 SG2 203.8 TMA 179.02

ORBIT DETERMINATION ACCURACY

ST 493.9 SR 184.4 SS 848.7
 CRT -.8022 CRS .9731 CST -.9139
 LSA 981.8 MSA 185.1 SSA 14.3
 EL1 516.6 EL2 105.3 ALF 162.58

LAUNCH DATE DEC 8 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 324.611

RL 147.35 LAL .00 LOL 75.70 VL 28.088 GAL -7.21 AZL 86.53 MCA 151.51 SMA 131.09 ECC .17575 INC 3.4678 V1 30.236
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.931 GAP 1.47 AZP 93.05 TAL 218.33 TAP 9.84 RCA 108.05 APO 154.12 V2 34.996
 RC 93.279 GL 22.39 GP -1.06 ZAL 138.21 ZAP 104.10 ETS 357.40 ZAE 159.59 ETE 195.19 ZAC 40.34 ETC 154.00 CLP-104.10

PLANETOCENTRIC CONIC

C3 19.586 VHL 4.426 DLA .47 RAL 290.23 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 3.014 DPA -22.92 RAP 306.19 ECC 1.3223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 8 2224.06 -19.80 42.08 151.27 110.67 2 10 12 1624.1 -16.81 34.68
 90.00 13 38 10 4838.79 19.08 209.18 151.05 68.67 14 58 49 4238.8 16.02 201.85
 100.00 2 54 42 1960.97 -20.83 22.31 150.84 111.94 3 27 23 1361.0 -17.67 14.94
 100.00 14 59 18 4577.12 20.11 189.50 150.61 67.40 16 15 35 3977.1 16.87 182.20
 110.00 4 3 27 1745.78 -23.58 4.66 149.53 115.49 4 32 33 1145.8 -19.96 357.40
 110.00 16 7 2 4365.07 22.85 172.07 149.28 63.86 17 19 47 3765.1 19.15 164.89

DIFFERENTIAL CORRECTIONS

TDE .3439 TRA -.8958 TC3-1.3271 BAU .3481
 ROE -.1305 RRA .0381 RC3 -.0754 FAU .19411
 FDE 2.4076 FRA-2.3468 FC3-8.5800 BSP 4805
 BDE .3678 BRA .8966 BC3 1.3293 FSP -2450

MID-COURSE EXECUTION ACCURACY

SGT 1709.8 SGR 188.2 SG3 756.3
 RRT -.1680 RRF -.1030 RTF .9243
 SGB 1720.1 R23 -.0549 R13 -.9241
 SG1 1710.1 SG2 185.5 TMA 178.93

ORBIT DETERMINATION ACCURACY

ST 566.2 SR 169.6 SS 847.9
 CRT -.8363 CRS .9773 CST -.9294
 LSA 1017.0 MSA 183.7 SSA 13.2
 EL1 584.1 EL2 90.1 ALF 165.59

LAUNCH DATE DEC 8 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 330.845

RL 147.35 LAL .00 LOL 75.70 VL 28.064 GAL -7.09 AZL 86.52 MCA 154.70 SMA 130.91 ECC .17537 INC 3.4788 V1 30.236
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.901 GAP 1.83 AZP 93.15 TAL 217.62 TAP 12.33 RCA 107.95 APO 153.87 V2 34.983
 RC 95.621 GL 22.63 GP -1.16 ZAL 137.52 ZAP 108.61 ETS 357.22 ZAE 156.55 ETE 192.60 ZAC 39.18 ETC 153.16 CLP-108.61

PLANETOCENTRIC CONIC

C3 19.286 VHL 4.392 DLA .81 RAL 290.83 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 3.060 DPA -23.27 RAP 304.80 ECC 1.3174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 2 2230.89 -19.96 42.52 151.71 110.51 2 10 13 1630.9 -16.99 35.10
 90.00 13 43 5 4824.67 18.73 208.30 151.33 68.37 15 3 30 4224.7 15.63 200.99
 100.00 2 54 45 1967.30 -20.99 22.71 151.28 111.79 3 27 33 1367.3 -17.85 15.32
 100.00 15 4 3 4563.49 19.75 188.65 150.89 67.09 16 20 6 3963.5 16.48 181.38
 110.00 4 3 52 1750.98 -23.74 4.99 149.99 115.35 4 33 3 1151.0 -20.12 357.71
 110.00 16 11 26 4352.58 22.47 171.30 149.55 63.54 17 23 58 3752.6 18.74 164.16

DIFFERENTIAL CORRECTIONS

TDE .3956 TRA -.9539 TC3-1.3291 BAU .3946
 ROE -.1175 RRA .0401 RC3 -.0619 FAU .18867
 FDE 2.3478 FRA-2.2187 FC3-8.4690 BSP 5477
 BDE .4127 BRA .9548 BC3 1.5303 FSP -2407

MID-COURSE EXECUTION ACCURACY

SGT 1902.4 SGR 170.9 SG3 738.7
 RRT -.2190 RRF -.1482 RTF .9329
 SGB 1910.1 R23 -.0591 R13 -.9328
 SG1 1902.8 SG2 166.7 TMA 178.86

ORBIT DETERMINATION ACCURACY

ST 638.3 SR 154.1 SS 843.8
 CRT -.8632 CRS .9816 CST -.9396
 LSA 1053.5 MSA 182.4 SSA 11.9
 EL1 652.2 EL2 76.2 ALF 168.06

LAUNCH DATE DEC 8 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 337.054

RL 147.35 LAL .00 LOL 75.70 VL 28.037 GAL -6.96 AZL 86.51 MCA 157.90 SMA 130.72 ECC .17505 INC 3.4926 V1 30.236
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.869 GAP 2.18 AZP 93.24 TAL 216.85 TAP 14.75 RCA 107.83 APO 153.60 V2 34.970
 RC 97.969 GL 22.90 GP -1.29 ZAL 136.76 ZAP 112.84 ETS 357.02 ZAE 153.70 ETE 190.78 ZAC 38.29 ETC 152.40 CLP-112.85

PLANETOCENTRIC CONIC

C3 18.984 VHL 4.357 DLA 1.19 RAL 291.50 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 3.118 DPA -23.59 RAP 303.72 ECC 1.3124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 54 2238.88 -20.15 43.03 152.21 110.33 2 10 13 1638.9 -17.20 35.59
 90.00 13 48 33 4809.21 18.34 207.33 151.68 68.04 15 8 43 4209.2 15.20 200.06
 100.00 2 54 48 1974.72 -21.17 23.18 151.80 111.61 3 27 43 1374.7 -18.05 15.78
 100.00 15 9 21 4548.60 19.35 187.72 151.23 66.76 16 25 9 3948.6 16.04 180.49
 110.00 4 4 19 1757.14 -23.92 5.38 150.51 115.19 4 33 36 1157.1 -20.32 358.08
 110.00 16 16 19 4338.95 22.06 170.46 149.88 63.20 17 28 38 3739.0 18.28 163.36

DIFFERENTIAL CORRECTIONS

TDE .4473 TRA -1.0069 TC3-1.7280 BAU .4387
 ROE -.1042 RRA .0417 RC3 -.0487 FAU .18164
 FDE 2.2871 FRA-2.0652 FC3-8.2837 BSP 6110
 BDE .4593 BRA 1.0077 BC3 1.7287 FSP -2329

MID-COURSE EXECUTION ACCURACY

SGT 2089.8 SGR 153.6 SG3 715.2
 RRT -.2782 RRF -.2005 RTF .9385
 SGB 2095.4 R23 -.0645 R13 -.9384
 SG1 2090.2 SG2 147.5 TMA 178.82

ORBIT DETERMINATION ACCURACY

ST 711.2 SR 138.0 SS 841.4
 CRT -.8870 CRS .9864 CST -.9464
 LSA 1095.3 MSA 181.7 SSA 10.6
 EL1 721.8 EL2 62.8 ALF 170.16

LAUNCH DATE DEC 8 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 343.239

RL 147.35 LAL .00 LOL 75.70 VL 28.007 GAL -6.82 AZL 86.49 HCA 161.09 SMA 130.50 ECC .17479 INC 3.5110 V1 30.236
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.836 GAP 2.52 AZP 93.32 TAL 216.01 TAP 17.10 RCA 107.69 APO 153.31 V2 34.957
 RC 100.323 GL 23.20 GP -1.47 ZAL 135.91 ZAP 116.79 ETS 356.80 ZAE 151.07 ETE 189.49 ZAC 37.68 ETC 151.73 CLP-116.80

PLANETOCENTRIC CONIC

C3 18.682 VHL 4.322 DLA 1.62 RAL 292.23 RAD 6567.8 VEL 11.835 PTH 2.10 VHP 3.185 OPA -23.90 RAP 302.93 ECC 1.3075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 39 2248.36 -20.37 43.63 152.80 110.10 2 10 8 1648.4 -17.45 36.18
 90.00 13 54 39 4792.19 17.90 206.27 152.07 67.69 15 14 31 4192.2 14.72 199.04
 100.00 2 54 45 1983.56 -21.40 23.74 152.38 111.39 3 27 49 1383.6 -18.30 16.32
 100.00 15 15 14 4532.22 18.91 186.71 151.62 66.41 16 30 47 3932.2 15.56 179.52
 110.00 4 4 43 1764.55 -24.13 5.85 151.11 114.98 4 34 8 1164.6 -20.56 358.52
 110.00 16 21 46 4324.00 21.60 169.54 150.27 62.84 17 33 50 3724.0 17.78 162.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4969 TRA-1.0561 TC3-1.9267 BAU .4813 SGT 2273.6 SGR 136.3 SG3 689.9 ST 782.9 SR 121.1 SS 835.4
 RDE -.0905 RRA .0426 RC3 -.0363 FAU .17428 RRT -.3417 RRF -.2533 RTF .9425 CRT -.9077 CRS .9906 CST -.9514
 FDE 2.2110 FRA-1.9129 FC3-8.0783 BSP 6750 SGB 2277.7 R23 -.0742 R13 -.9424 LSA 1137.0 MSA 180.8 SSA 9.1
 BDE .5051 BRA 1.0570 BC3 1.9270 FSP -2260 SGI 2274.1 SG2 128.0 THA 178.82 EL1 790.6 EL2 50.3 ALF 171.97

LAUNCH DATE DEC 8 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 349.402

RL 147.35 LAL .00 LOL 75.70 VL 27.975 GAL -6.68 AZL 86.46 HCA 164.29 SMA 130.28 ECC .17459 INC 3.5364 V1 30.236
 RP 108.44 LAP .96 LOP 240.01 VP 37.801 GAP 2.85 AZP 93.40 TAL 215.10 TAP 19.39 RCA 107.53 APO 153.02 V2 34.945
 RC 102.682 GL 23.56 GP -1.71 ZAL 134.98 ZAP 120.47 ETS 356.51 ZAE 148.65 ETE 188.61 ZAC 37.35 ETC 151.13 CLP-120.49

PLANETOCENTRIC CONIC

C3 18.387 VHL 4.288 DLA 2.11 RAL 293.03 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 3.262 OPA -24.23 RAP 302.45 ECC 1.3026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 9 2259.96 -20.64 44.38 153.47 109.82 2 9 49 1660.0 -17.76 36.89
 90.00 14 1 29 4773.12 17.41 205.09 152.53 67.31 15 21 2 4173.1 14.18 197.90
 100.00 2 54 29 1994.42 -21.66 24.44 153.06 111.12 3 27 43 1394.4 -18.60 16.98
 100.00 15 21 51 4513.90 18.41 185.58 152.08 66.02 16 37 5 3913.9 15.01 178.43
 110.00 4 4 59 1773.75 -24.39 6.43 151.80 114.73 4 34 33 1173.8 -20.85 359.08
 110.00 16 27 50 4307.33 21.07 168.53 150.71 62.44 17 39 38 3707.3 17.22 161.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5482 TRA-1.0990 TC3-2.1187 BAU .5209 SGT 2449.0 SGR 118.8 SG3 661.3 ST 856.7 SR 103.1 SS 833.2
 RDE -.0761 RRA .0429 RC3 -.0258 FAU .16599 RRT -.4074 RRF -.3046 RTF .9448 CRT -.9285 CRS .9946 CST -.9550
 FDE 2.1443 FRA-1.7473 FC3-7.8154 BSP 7334 SGB 2451.8 R23 -.0888 R13 -.9447 LSA 1185.8 MSA 180.7 SSA 7.6
 BDE .5535 BRA 1.0998 BC3 2.1188 FSP -2164 SGI 2449.4 SG2 108.5 THA 178.87 EL1 862.1 EL2 38.1 ALF 173.61

LAUNCH DATE DEC 8 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 355.541

RL 147.35 LAL .00 LOL 75.70 VL 27.942 GAL -6.53 AZL 86.43 HCA 167.48 SMA 130.03 ECC .17445 INC 3.5741 V1 30.236
 RP 108.48 LAP .77 LOP 243.20 VP 37.764 GAP 3.17 AZP 93.49 TAL 214.14 TAP 21.62 RCA 107.35 APO 152.72 V2 34.932
 RC 105.043 GL 24.00 GP -2.08 ZAL 133.94 ZAP 123.88 ETS 356.11 ZAE 146.43 ETE 188.11 ZAC 37.31 ETC 150.54 CLP-123.91

PLANETOCENTRIC CONIC

C3 18.111 VHL 4.256 DLA 2.70 RAL 293.88 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 3.345 OPA -24.63 RAP 302.26 ECC 1.2981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 8 2274.85 -20.98 45.34 154.23 109.46 2 9 3 1674.9 -18.14 37.82
 90.00 14 9 18 4751.16 16.82 203.74 153.05 66.88 15 28 29 4151.2 13.55 196.60
 100.00 2 53 44 2008.42 -22.00 25.34 153.83 110.76 3 27 13 1408.4 -18.98 17.85
 100.00 15 29 23 4492.83 17.82 184.29 152.59 65.59 16 44 15 3892.8 14.38 177.19
 110.00 4 4 53 1785.76 -24.73 7.20 152.59 114.39 4 34 38 1185.8 -21.23 359.80
 110.00 16 34 44 4288.25 20.47 167.38 151.21 62.01 17 46 12 3688.3 16.57 160.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6011 TRA-1.1374 TC3-2.3061 BAU .5584 SGT 2618.7 SGR 100.8 SG3 632.8 ST 932.7 SR 83.5 SS 831.1
 RDE -.0607 RRA .0421 RC3 -.0190 FAU .15782 RRT -.4801 RRF -.3339 RTF .9464 CRT -.9496 CRS .9971 CST -.9582
 FDE 2.0767 FRA-1.5901 FC3-7.5442 BSP 7901 SGB 2620.7 R23 -.1148 R13 -.9463 LSA 1239.0 MSA 180.0 SSA 6.1
 BDE .6041 BRA 1.1382 BC3 2.3062 FSP -2077 SGI 2619.1 SG2 89.5 THA 178.98 EL1 936.0 EL2 26.1 ALF 175.13

LAUNCH DATE DEC 8 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 361.660

RL 147.35 LAL .00 LOL 75.70 VL 27.906 GAL -6.37 AZL 86.36 HCA 170.66 SMA 129.78 ECC .17436 INC 3.6375 V1 30.236
 RP 108.52 LAP .59 LOP 246.38 VP 37.726 GAP 3.47 AZP 93.59 TAL 213.13 TAP 23.79 RCA 107.15 APO 152.41 V2 34.920
 RC 107.406 GL 24.59 GP -2.71 ZAL 132.77 ZAP 127.04 ETS 355.46 ZAE 144.37 ETE 188.07 ZAC 37.60 ETC 149.82 CLP-127.09

PLANETOCENTRIC CONIC

C3 17.880 VHL 4.228 DLA 3.47 RAL 294.77 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 3.435 OPA -25.25 RAP 302.39 ECC 1.2943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 58 2295.77 -21.45 46.69 155.13 108.94 2 7 14 1695.8 -18.67 39.12
 90.00 14 18 36 4724.24 16.10 202.10 153.63 66.39 15 37 20 4124.2 12.77 195.01
 100.00 2 51 56 2028.17 -22.47 26.62 154.74 110.24 3 25 45 1428.2 -19.52 19.07
 100.00 15 38 19 4467.08 17.09 182.73 153.16 65.09 16 52 46 3867.1 13.59 175.68
 110.00 4 5 54 1802.92 -25.21 8.31 153.53 113.89 4 33 57 1202.9 -21.76 .85
 110.00 16 42 51 4265.10 19.72 166.00 151.76 61.50 17 53 56 3665.1 15.76 159.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6599 TRA-1.1714 TC3-2.4830 BAU .5936 SGT 2781.7 SGR 81.5 SG3 603.0 ST 1015.4 SR 60.9 SS 835.7
 RDE -.0433 RRA .0399 RC3 -.0195 FAU .14930 RRT -.4580 RRF -.2909 RTF .9471 CRT -.9735 CRS .9955 CST -.9609
 FDE 2.0285 FRA-1.4317 FC3-7.2292 BSP 8438 SGB 2782.9 R23 -.1611 R13 -.9470 LSA 1304.1 MSA 180.5 SSA 4.4
 BDE .6613 BRA 1.1721 BC3 2.4831 FSP -1977 SGI 2781.9 SG2 72.5 THA 179.23 EL1 1017.1 EL2 13.9 ALF 176.66

LAUNCH DATE DEC 8 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.869 GAL -6.20 AZL 86.23 MCA 173.85 SMA 129.52 ECC .17434 INC 3.7651 V1 30.236
 RP 108.56 LAP .40 LOP 249.56 VP 37.688 GAP 3.77 AZP 93.74 TAL 212.06 TAP 25.91 RCA 106.94 APO 152.10 V2 34.909
 RC 109.770 GL 25.57 GP -3.98 ZAL 131.35 ZAP 129.93 ETS 354.17 ZAE 142.39 ETE 188.90 ZAC 38.40 ETC 148.53 CLP-130.05

PLANETOCENTRIC CONIC
 C3 17.772 VHL 4.216 DLA 4.64 RAL 295.68 RAD 6567.7 VEL 11.796 PTH 2.09 VHP 3.533 DPA -26.46 RAP 302.88 ECC 1.2925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 48 2330.91 -22.21 48.99 156.28 108.03 2 2 39 1730.9 -19.54 41.33
 90.00 14 31 0 4686.30 15.05 199.81 154.28 65.73 15 49 6 4086.3 11.65 192.79
 100.00 2 47 20 2061.51 -23.24 28.80 155.90 109.34 3 21 41 1461.5 -20.39 21.16
 100.00 15 50 9 4430.94 16.04 180.56 153.80 64.43 17 4 0 3830.9 12.47 173.59
 110.00 4 0 35 1832.27 -26.01 10.22 154.73 113.01 4 31 7 1232.3 -22.66 2.65
 110.00 16 53 24 4232.94 18.67 164.10 152.38 60.83 18 3 57 3632.9 14.64 157.31

DIFFERENTIAL CORRECTIONS
 TDE .7356 TRA-1.2048 TC3-2.6359 BAU .6264
 ROE -.0205 RRA .0347 RC3 -.0392 FAU .14092
 FDE 2.0081 FRA-1.2903 FC3-6.8648 BSP 8943
 BDE .7359 BRA 1.2053 BC3 2.6362 FSP -1886

MID-COURSE EXECUTION ACCURACY
 SGT 2939.0 SGR 64.1 SG3 573.4
 RRT -.1697 RRF .0762 RTF .9476
 SGB 2939.7 R23 -.2406 R13 -.9476
 SGI 2939.0 SG2 63.1 THA 179.79

ORBIT DETERMINATION ACCURACY
 ST 1116.6 SR 31.2 SS 850.1
 CRT -.9957 CRS .9565 CST -.9647
 LSA 1392.2 MSA 179.6 SSA 2.8
 EL1 1117.1 EL2 2.9 ALF 178.41

LAUNCH DATE DEC 8 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.830 GAL -6.02 AZL 85.83 MCA 177.03 SMA 129.25 ECC .17437 INC 4.1671 V1 30.236
 RP 108.59 LAP .22 LOP 252.73 VP 37.649 GAP 4.06 AZP 94.16 TAL 210.95 TAP 27.98 RCA 106.71 APO 151.78 V2 34.897
 RC 112.133 GL 28.09 GP -7.97 ZAL 129.14 ZAP 132.31 ETS 350.18 ZAE 139.91 ETE 192.81 ZAC 40.80 ETC 144.68 CLP-132.82

PLANETOCENTRIC CONIC
 C3 18.233 VHL 4.270 DLA 7.36 RAL 296.42 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 3.654 DPA -30.31 RAP 304.15 ECC 1.3001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 1 2422.76 -24.02 55.11 158.33 105.47 1 46 23 1822.8 -21.66 47.23
 90.00 14 34 43 4606.39 12.76 195.06 155.15 64.51 16 11 30 4006.4 9.22 188.17
 100.00 2 30 53 2149.01 -25.09 34.64 157.99 106.80 3 6 42 1549.0 -22.55 26.76
 100.00 16 12 32 4355.37 13.77 176.10 154.64 63.20 17 25 7 3755.4 10.06 169.27
 110.00 3 47 12 1910.20 -27.97 15.42 156.90 110.50 4 19 2 1310.2 -24.93 7.57
 110.00 17 12 43 4166.95 16.43 160.29 153.13 59.60 18 22 10 3566.9 12.28 153.65

DIFFERENTIAL CORRECTIONS
 TDE .8768 TRA-1.2641 TC3-2.7077 BAU .6608
 ROE .0288 RRA .0187 RC3 -.1320 FAU .13157
 FDE 2.0976 FRA-1.1870 FC3-6.2470 BSP 9628
 BDE .8773 BRA 1.2643 BC3 2.7109 FSP -1797

MID-COURSE EXECUTION ACCURACY
 SGT 3107.5 SGR 121.8 SG3 539.3
 RRT .6946 RRF .8806 RTF .9483
 SGB 3109.9 R23 .3077 R13 .9486
 SGI 3108.7 SG2 87.6 THA 1.56

ORBIT DETERMINATION ACCURACY
 ST 1285.4 SR 39.5 SS 903.0
 CRT .8229 CRS -.9346 CST -.9710
 LSA 1561.2 MSA 178.8 SSA 1.3
 EL1 1285.9 EL2 22.4 ALF 1.45

LAUNCH DATE DEC 8 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.790 GAL -5.83 AZL 97.41 MCA 180.21 SMA 128.97 ECC .17448 INC 6.8981 V1 30.236
 RP 108.63 LAP .03 LOP 255.91 VP 37.609 GAP 4.34 AZP 82.59 TAL 209.80 TAP 30.01 RCA 106.46 APO 151.47 V2 34.886
 RC 114.493 GL -43.06 GP 64.76 ZAL 119.89 ZAP 109.92 ETS 44.30 ZAE 109.92 ETE 135.69 ZAC 53.92 ETC 230.46 CLP-143.04

PLANETOCENTRIC CONIC
 C3 27.254 VHL 5.221 DLA -60.58 RAL 323.46 RAD 6568.1 VEL 12.191 PTH -2.19 VHP 7.773 DPA 40.80 RAP 286.68 ECC 1.4485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.91 4 59 43 1805.28 34.01 51.86 211.09 143.66 5 29 48 1205.3 40.30 46.07
 146.09 14 36 44 5418.44 34.02 252.13 211.10 143.66 16 7 2 4818.4 40.31 246.34
 33.91 4 59 43 1805.28 34.01 51.86 211.09 143.66 5 29 48 1205.3 40.30 46.07
 146.09 14 36 44 5418.44 34.02 252.13 211.10 143.66 16 7 2 4818.4 40.31 246.34
 33.91 4 59 43 1805.28 34.01 51.86 211.09 143.66 5 29 48 1205.3 40.30 46.07
 146.09 14 36 44 5418.44 34.02 252.13 211.10 143.66 16 7 2 4818.4 40.31 246.34

DIFFERENTIAL CORRECTIONS
 TDE 2.3588 TRA 4.8415 TC3 5.2965 BAU 1.9698
 ROE -.5955 RRA-1.3602 RC3 -1.0832 FAU -.06195
 FDE -.9795 FRA 2.1721 FC3 1.9680 BSP 110127
 BDE 2.4328 BRA 5.0289 BC3 5.4061 FSP 3710

MID-COURSE EXECUTION ACCURACY
 SGT12422.7 SGR 3308.2 SG3 464.8
 RRT -.9935 RRF -.9991 RTF .9975
 SGB12855.6 R23 .0635 R13 -.9980
 SGI12850.5 SG2 365.1 THA 165.17

ORBIT DETERMINATION ACCURACY
 ST 4154.9 SR 1122.4 SS 1216.2
 CRT -.9986 CRS .9999 CST -.9993
 LSA 4471.8 MSA 69.4 SSA 1.2
 EL1 4303.4 EL2 56.6 ALF 164.90

LAUNCH DATE DEC 8 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.749 GAL -5.64 AZL 87.28 MCA 183.39 SMA 128.68 ECC .17464 INC 2.7120 V1 30.236
 RP 108.66 LAP -.16 LOP 259.08 VP 37.569 GAP 4.61 AZP 92.71 TAL 208.60 TAP 31.98 RCA 106.21 APO 151.15 V2 34.875
 RC 116.832 GL 19.75 GP 6.61 ZAL 130.24 ZAP 137.34 ETS 4.82 ZAE 138.80 ETE 174.95 ZAC 36.10 ETC 162.47 CLP-137.76

PLANETOCENTRIC CONIC
 C3 15.008 VHL 3.874 DLA -.36 RAL 300.24 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 3.848 DPA -15.71 RAP 302.83 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 15 2136.83 -17.61 36.62 157.00 112.54 2 54 51 1536.8 -14.40 29.41
 90.00 14 11 56 4803.20 18.19 206.96 157.14 67.91 15 31 59 4203.2 15.03 199.70
 100.00 3 40 25 1874.99 -18.55 16.94 156.57 113.87 4 11 40 1275.0 -15.16 9.78
 100.00 15 33 27 4540.28 19.13 187.21 156.72 66.58 16 49 7 3940.3 15.80 180.00
 110.00 4 48 17 1662.57 -21.05 359.53 155.29 117.57 5 15 59 1062.6 -17.19 352.53
 110.00 16 42 4 4325.46 21.64 169.63 155.45 62.87 17 54 10 3725.5 17.83 162.57

DIFFERENTIAL CORRECTIONS
 TDE .5887 TRA-1.1172 TC3 3.5487 BAU .7159
 ROE -.0499 RRA .0591 RC3 3.6804 FAU .11786
 FDE 1.2879 FRA -.7016 FC3 -6.7988 BSP 9999
 BDE .5908 BRA 1.1188 BC3 3.5678 FSP -1574

MID-COURSE EXECUTION ACCURACY
 SGT 3323.9 SGR 307.5 SG3 492.2
 RRT -.9720 RRF -.9903 RTF .9430
 SGB 3338.1 R23 .3119 R13 -.9436
 SGI 3337.3 SG2 72.0 THA 174.86

ORBIT DETERMINATION ACCURACY
 ST 1005.3 SR 78.8 SS 643.9
 CRT -.9843 CRS .9837 CST -.9379
 LSA 1181.1 MSA 190.7 SSA 2.0
 EL1 1008.3 EL2 13.9 ALF 175.59

LAUNCH DATE DEC 8 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.707 GAL -5.43 AZL 86.95 HCA 186.57 SMA 128.39 ECC .17488 INC 3.0464 V1 30.236
 RP 108.69 LAP -.35 LOP 262.25 VP 37.528 GAP 4.87 AZP 93.03 TAL 207.36 TAP 33.92 RCA 105.94 APO 150.84 V2 34.865
 RC 119.206 GL 22.11 GP 3.33 ZAL 128.07 ZAP 139.85 ETS 1.60 ZAE 137.70 ETE 178.55 ZAC 37.99 ETC 158.65 CLP-139.97

DISTANCE 391.962

PLANETOCENTRIC CONIC
 C3 15.157 VML 3.893 DLA 2.27 RAL 301.20 RAD 6567.6 VEL 11.685 PTH 2.06 VMP 3.935 DPA -18.76 RAP 304.44 ECC 1.2494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 33 2220.72 -19.72 41.87 158.67 110.75 2 40 34 1620.7 -16.72 34.48
 90.00 14 35 18 4723.74 16.08 202.07 157.78 66.38 15 54 2 4123.7 12.75 194.98
 100.00 3 25 57 1954.93 -20.67 21.92 158.27 112.08 3 58 32 1354.9 -17.50 14.57
 100.00 15 55 36 4464.76 17.02 182.59 157.34 65.05 17 10 0 3864.8 13.52 175.55
 110.00 4 36 37 1733.72 -23.23 3.91 157.04 115.81 5 5 31 1133.7 -19.57 356.69
 110.00 17 1 24 4258.74 19.52 165.62 156.01 61.36 18 12 23 3658.7 15.54 158.76

DIFFERENTIAL CORRECTIONS
 TDE .6938 TRA-1.1667 TC3-3.7052 BAU .7529
 RDE -.0219 RRA .0489 RC3 .2740 FAU .11368
 FDE 1.3745 FRA -.6579 FC3-6.4929 BSP 10984
 BDE .6941 BRA 1.1677 BC3 3.7153 FSP -1582

MID-COURSE EXECUTION ACCURACY
 SGT 3509.8 SGR 227.5 SG3 477.9
 RRT -.9672 RRF -.9646 RTF .9435
 SGB 3517.1 R23 .2038 R13 -.9438
 SG1 3516.7 SG2 57.7 TMA 176.41

ORBIT DETERMINATION ACCURACY
 ST 1147.1 SR 39.3 SS 696.8
 CRT -.9887 CRS .8989 CST -.9480
 LSA 1328.9 MSA 191.7 SSA 3.5
 EL1 1147.7 EL2 5.9 ALF 178.06

LAUNCH DATE DEC 8 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.664 GAL -5.22 AZL 86.84 HCA 189.74 SMA 128.10 ECC .17519 INC 3.1603 V1 30.236
 RP 108.72 LAP -.53 LOP 265.42 VP 37.488 GAP 5.13 AZP 93.12 TAL 206.08 TAP 35.82 RCA 105.66 APO 150.54 V2 34.856
 RC 121.557 GL 23.08 GP 2.19 ZAL 126.31 ZAP 141.99 ETS .50 ZAE 136.64 ETE 179.61 ZAC 39.40 ETC 157.76 CLP-142.05

DISTANCE 397.969

PLANETOCENTRIC CONIC
 C3 15.014 VML 3.875 DLA 3.56 RAL 302.47 RAD 6567.6 VEL 11.679 PTH 2.05 VMP 4.039 DPA -19.68 RAP 305.81 ECC 1.2471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 1 2258.67 -20.61 44.29 160.11 109.86 2 36 40 1658.7 -17.72 36.81
 90.00 14 50 0 4681.53 14.92 199.52 158.74 65.65 16 8 1 4081.5 -11.50 192.51
 100.00 3 22 2 1990.92 -21.58 24.22 159.72 111.20 3 55 13 1390.9 -18.50 16.77
 100.00 16 9 40 4424.50 15.85 180.17 158.29 64.32 17 23 25 3824.5 12.26 173.22
 110.00 4 34 6 1765.37 -24.15 5.90 158.53 114.96 5 3 31 1165.4 -20.59 358.57
 110.00 17 14 6 4222.82 18.33 163.51 156.93 60.63 18 24 28 3622.8 14.28 156.74

DIFFERENTIAL CORRECTIONS
 TDE .7677 TRA-1.1635 TC3-3.8640 BAU .7772
 RDE -.0044 RRA .0415 RC3 .2526 FAU .10743
 FDE 1.3811 FRA -.5515 FC3-6.1948 BSP 11353
 BDE .7677 BRA 1.1643 BC3 3.8722 FSP -1510

MID-COURSE EXECUTION ACCURACY
 SGT 3636.9 SGR 205.3 SG3 456.2
 RRT -.9369 RRF -.9256 RTF .9426
 SGB 3642.6 R23 .1205 R13 -.9427
 SG1 3641.9 SG2 71.6 TMA 176.97

ORBIT DETERMINATION ACCURACY
 ST 1250.7 SR 20.4 SS 719.5
 CRT -.6848 CRS .4448 CST -.9532
 LSA 1430.4 MSA 190.9 SSA 4.9
 EL1 1250.8 EL2 14.9 ALF 179.36

LAUNCH DATE DEC 8 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.620 GAL -5.00 AZL 86.78 HCA 192.91 SMA 127.80 ECC .17557 INC 3.2189 V1 30.236
 RP 108.75 LAP -.72 LOP 268.59 VP 37.447 GAP 5.38 AZP 93.14 TAL 204.77 TAP 37.68 RCA 105.36 APO 150.24 V2 34.846
 RC 123.903 GL 23.69 GP 1.62 ZAL 124.81 ZAP 143.97 ETS 359.96 ZAE 135.70 ETE 180.04 ZAC 40.74 ETC 157.62 CLP-144.00

DISTANCE 403.959

PLANETOCENTRIC CONIC
 C3 14.795 VML 3.846 DLA 4.53 RAL 303.89 RAD 6567.6 VEL 11.670 PTH 2.05 VMP 4.146 DPA -20.00 RAP 307.20 ECC 1.2435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 23 2285.63 -21.23 46.03 161.55 109.19 2 35 29 1685.6 -18.41 38.49
 90.00 15 2 54 4648.02 13.97 197.52 159.83 65.11 16 20 22 4048.0 10.50 190.56
 100.00 3 20 51 2016.40 -22.20 25.86 161.18 110.55 3 54 28 1416.4 -19.20 18.34
 100.00 16 22 6 4392.48 14.89 178.27 159.37 63.78 17 35 19 3792.5 11.25 171.38
 110.00 4 33 59 1787.54 -24.78 7.32 160.01 114.33 5 3 46 1187.5 -21.29 359.91
 110.00 17 25 28 4194.11 17.36 161.85 158.00 60.08 18 35 22 3594.1 13.26 155.15

DIFFERENTIAL CORRECTIONS
 TDE .8263 TRA-1.1495 TC3-4.0454 BAU .8017
 RDE .0099 RRA .0351 RC3 .2510 FAU .10140
 FDE 1.3642 FRA -.4431 FC3-5.9332 BSP 11741
 BDE .8263 BRA 1.1500 BC3 4.0532 FSP -1438

MID-COURSE EXECUTION ACCURACY
 SGT 3761.7 SGR 200.6 SG3 435.4
 RRT -.8915 RRF -.8763 RTF .9412
 SGB 3767.0 R23 .0813 R13 -.9413
 SG1 3765.9 SG2 90.8 TMA 177.28

ORBIT DETERMINATION ACCURACY
 ST 1337.6 SR 22.3 SS 733.0
 CRT .3186 CRS -.5704 CST -.9558
 LSA 1513.3 MSA 191.4 SSA 6.3
 EL1 1337.6 EL2 21.2 ALF .30

LAUNCH DATE DEC 8 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.576 GAL -4.77 AZL 86.74 HCA 196.09 SMA 127.50 ECC .17604 INC 3.2550 V1 30.236
 RP 108.78 LAP -.90 LOP 271.76 VP 37.406 GAP 5.63 AZP 93.13 TAL 203.43 TAP 39.51 RCA 105.06 APO 149.95 V2 34.838
 RC 126.245 GL 24.14 GP 1.27 ZAL 122.87 ZAP 145.83 ETS 359.67 ZAE 134.87 ETE 180.21 ZAC 42.11 ETC 157.79 CLP-145.85

DISTANCE 409.934

PLANETOCENTRIC CONIC
 C3 14.554 VML 3.815 DLA 5.59 RAL 305.40 RAD 6567.6 VEL 11.659 PTH 2.05 VMP 4.255 DPA -20.07 RAP 308.66 ECC 1.2395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 57 2308.90 -21.74 47.55 163.06 108.60 2 35 26 1708.9 -19.00 39.94
 90.00 15 15 26 4617.45 13.08 195.71 161.03 64.66 16 32 23 4017.4 9.56 188.80
 100.00 3 20 51 2038.33 -22.71 27.28 162.69 109.97 3 54 49 1438.3 -19.79 19.71
 100.00 16 34 14 4363.25 14.01 176.56 160.57 63.32 17 46 57 3763.3 10.32 169.71
 110.00 4 34 55 1806.50 -25.31 8.54 161.55 113.78 5 5 1 1206.5 -21.88 1.07
 110.00 17 36 39 4167.84 16.47 160.34 159.18 59.61 18 46 6 3567.8 12.31 153.70

DIFFERENTIAL CORRECTIONS
 TDE .8747 TRA-1.1310 TC3-4.2478 BAU .8280
 RDE .0229 RRA .0290 RC3 .2575 FAU .09619
 FDE 1.3295 FRA -.3487 FC3-5.7214 BSP 12236
 BDE .8750 BRA 1.1313 BC3 4.2556 FSP -1391

MID-COURSE EXECUTION ACCURACY
 SGT 3891.1 SGR 204.2 SG3 417.2
 RRT -.8387 RRF -.8236 RTF .9403
 SGB 3896.5 R23 .0631 R13 -.9404
 SG1 3894.9 SG2 111.1 TMA 177.48

ORBIT DETERMINATION ACCURACY
 ST 1413.2 SR 37.2 SS 737.9
 CRT .7185 CRS -.8793 CST -.9577
 LSA 1583.2 MSA 191.1 SSA 7.6
 EL1 1413.4 EL2 25.9 ALF 1.08

LAUNCH DATE DEC 8 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.532 GAL -4.53 AZL 86.72 MCA 199.26 SMA 127.20 ECC .17659 INC 3.2792 V1 30.236
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.366 GAP 5.88 AZP 93.10 TAL 202.05 TAP 41.31 RCA 104.74 APO 149.66 V2 34.830
 RC 128.581 GL 24.52 GP 1.04 ZAL 121.07 ZAP 147.57 ETS 359.50 ZAE 134.13 ETE 180.28 ZAC 43.53 ETC 198.12 CLP-147.59

PLANETOCENTRIC CONIC
 C3 14.311 VHL 3.783 DLA 6.21 RAL 307.02 RAD 6567.6 VEL 11.649 PTH 2.04 VMP 4.366 DPA -19.98 RAP 310.20 ECC 1.2355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 9 2330.98 -22.21 48.99 164.65 108.03 2 36 0 1731.0 -19.54 41.34
 90.00 15 28 6 4587.89 12.21 193.98 162.35 64.25 16 44 34 3987.9 8.65 187.11
 100.00 3 21 27 2059.11 -23.19 28.64 164.29 109.41 3 55 46 1459.1 -20.33 21.01
 100.00 16 46 30 4334.99 13.14 174.91 161.88 62.91 17 58 45 3735.0 9.40 168.11
 110.00 4 36 26 1824.42 -25.80 9.70 163.17 113.25 5 6 50 1224.4 -22.42 2.17
 110.00 17 48 0 4142.45 15.59 158.90 160.48 59.18 18 57 2 3542.4 11.38 152.31

DIFFERENTIAL CORRECTIONS
 TOE .9193 TRA-1.1065 TC3-4.4599 BAU .8548 SGT 4020.8 SGR 212.2 SG3 400.9 ST 1484.8 SR 54.1 SS 738.6
 ROE .0348 RRA .0229 RC3 .2677 FAU .09157 RRT -.7839 RRF -.7719 RTF .9400 CRT .8405 CRS -.9517 CST -.9594
 FDE 1.2876 FRA -.2647 FC3-5.5395 BSP 12771 SGB 4026.4 R23 .0552 R13 -.9401 LSA 1648.4 MSA 189.4 S5A 9.0
 BOE .9200 BRA 1.1067 BC3 4.4679 FSP -1358 SG1 4024.2 SG2 131.6 TMA 177.63 EL1 1485.5 EL2 29.3 ALF 1.76

LAUNCH DATE DEC 8 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.487 GAL -4.28 AZL 86.70 MCA 202.42 SMA 126.90 ECC .17723 INC 3.2968 V1 30.236
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.326 GAP 6.12 AZP 93.05 TAL 200.65 TAP 43.07 RCA 104.41 APO 149.39 V2 34.822
 RC 130.911 GL 24.85 GP .87 ZAL 119.20 ZAP 149.21 ETS 359.40 ZAE 133.48 ETE 180.29 ZAC 45.02 ETC 158.53 CLP-149.23

PLANETOCENTRIC CONIC
 C3 14.074 VHL 3.752 DLA 7.02 RAL 308.73 RAD 6567.6 VEL 11.639 PTH 2.04 VMP 4.479 DPA -19.80 RAP 311.82 ECC 1.2316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 44 2353.09 -22.67 50.45 166.34 107.44 2 36 57 1753.1 -20.07 42.74
 90.00 15 41 10 4558.41 11.34 192.25 163.78 63.88 16 57 9 3958.4 7.73 185.43
 100.00 3 22 26 2079.91 -23.65 30.01 165.99 108.83 3 57 6 1479.9 -20.86 22.32
 100.00 16 59 10 4306.83 12.26 173.28 163.31 62.52 18 10 56 3706.8 8.48 166.53
 110.00 4 38 21 1842.32 -26.27 10.88 164.90 112.70 5 9 3 1242.3 -22.96 3.28
 110.00 17 59 44 4117.18 14.70 157.48 161.90 58.79 19 8 21 3517.2 10.46 150.94

DIFFERENTIAL CORRECTIONS
 TOE .9929 TRA-1.0453 TC3-4.5931 BAU .8658 SGT 4094.3 SGR 219.1 SG3 378.4 ST 1594.8 SR 69.0 SS 770.6
 ROE .0447 RRA .0151 RC3 .2758 FAU .08446 RRT -.7209 RRF -.7036 RTF .9346 CRT .9057 CRS -.9804 CST -.9615
 FDE 1.3010 FRA -.1263 FC3-5.1953 BSP 12611 SGB 4100.2 R23 .0416 R13 -.9347 LSA 1761.9 MSA 193.2 S5A 9.8
 BOE .9939 BRA 1.0454 BC3 4.6014 FSP -1208 SG1 4097.4 SG2 151.8 TMA 177.79 EL1 1596.0 EL2 29.2 ALF 2.24

LAUNCH DATE DEC 8 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.441 GAL -4.03 AZL 86.69 MCA 205.59 SMA 126.60 ECC .17796 INC 3.3103 V1 30.236
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.286 GAP 6.35 AZP 92.99 TAL 199.22 TAP 44.81 RCA 104.07 APO 149.13 V2 34.816
 RC 133.236 GL 25.13 GP .75 ZAL 117.25 ZAP 150.77 ETS 359.36 ZAE 132.90 ETE 180.26 ZAC 46.58 ETC 158.99 CLP-150.78

PLANETOCENTRIC CONIC
 C3 13.853 VHL 3.722 DLA 7.84 RAL 310.53 RAD 6567.5 VEL 11.629 PTH 2.04 VMP 4.593 DPA -19.54 RAP 313.51 ECC 1.2280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 34 2375.69 -23.12 51.95 168.15 106.81 2 38 10 1775.7 -20.60 44.19
 90.00 15 54 42 4528.87 10.45 190.54 165.34 63.53 17 10 11 3928.9 6.81 183.75
 100.00 3 23 41 2101.15 -24.11 31.42 167.81 108.22 3 58 43 1501.2 -21.40 23.68
 100.00 17 12 16 4278.64 11.37 171.66 164.85 62.17 18 23 34 3678.6 7.56 164.95
 110.00 4 40 33 1860.60 -26.75 12.09 166.74 112.13 5 11 34 1260.6 -23.51 4.42
 110.00 18 11 53 4091.94 13.80 156.07 163.43 58.41 19 20 5 3491.9 9.53 149.58

DIFFERENTIAL CORRECTIONS
 TOE 1.0374 TRA-1.0060 TC3-4.8064 BAU .8918 SGT 4218.4 SGR 231.1 SG3 364.5 ST 1667.8 SR 85.6 SS 770.0
 ROE .0554 RRA .0084 RC3 .2881 FAU .08056 RRT -.6682 RRF -.6558 RTF .9346 CRT .9361 CRS -.9894 CST -.9632
 FDE 1.2581 FRA -.0551 FC3-5.0344 BSP 13150 SGB 4224.8 R23 .0407 R13 -.9347 LSA 1829.1 MSA 190.3 S5A 11.1
 BOE 1.0388 BRA 1.0060 BC3 4.8151 FSP -1188 SG1 4221.3 SG2 171.8 TMA 177.90 EL1 1669.7 EL2 30.1 ALF 2.75

LAUNCH DATE DEC 8 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.396 GAL -3.76 AZL 86.68 MCA 208.76 SMA 126.30 ECC .17880 INC 3.3210 V1 30.236
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.247 GAP 6.59 AZP 92.91 TAL 197.76 TAP 46.52 RCA 103.72 APO 148.88 V2 34.809
 RC 135.553 GL 25.38 GP .66 ZAL 115.21 ZAP 152.26 ETS 359.34 ZAE 132.39 ETE 180.23 ZAC 48.21 ETC 159.47 CLP-152.26

PLANETOCENTRIC CONIC
 C3 13.651 VHL 3.695 DLA 8.67 RAL 312.42 RAD 6567.5 VEL 11.621 PTH 2.04 VMP 4.709 DPA -19.21 RAP 315.27 ECC 1.2247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 37 2399.20 -23.58 53.53 170.08 106.15 2 39 36 1799.2 -21.14 45.70
 90.00 16 8 47 4498.93 9.53 188.82 167.02 63.21 17 23 46 3898.9 5.86 182.06
 100.00 3 25 10 2123.26 -24.58 32.90 169.75 107.58 4 0 33 1523.3 -21.94 25.10
 100.00 17 25 55 4250.10 10.46 170.03 166.53 61.84 18 36 45 3650.1 6.61 163.36
 110.00 4 43 1 1879.64 -27.23 13.36 168.70 111.51 5 14 21 1279.6 -24.06 5.62
 110.00 18 24 33 4066.49 12.89 154.66 165.09 58.06 19 32 19 3466.5 8.58 148.22

DIFFERENTIAL CORRECTIONS
 TOE 1.0883 TRA -.9539 TC3-5.0028 BAU .9147 SGT 4330.6 SGR 243.4 SG3 350.4 ST 1749.9 SR 101.4 SS 775.2
 ROE .0653 RRA .0011 RC3 .2995 FAU .07644 RRT -.6167 RRF -.6080 RTF .9338 CRT .9569 CRS -.9926 CST -.9651
 FDE 1.2265 FRA .0219 FC3-4.8473 BSP 13570 SGB 4337.4 R23 .0394 R13 -.9338 LSA 1907.3 MSA 187.9 S5A 12.2
 BOE 1.0903 BRA .9539 BC3 5.0117 FSP -1151 SG1 4333.2 SG2 191.5 TMA 178.01 EL1 1752.6 EL2 29.4 ALF 3.18

LAUNCH DATE DEC 8 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 439.581

RL 147.35 LAL .00 LOL 75.70 VL 27.350 GAL -3.48 AZL 86.67 MCA 211.92 SMA 126.00 ECC .17975 INC 3.3297 V1 30.236
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.208 GAP 6.82 AZP 92.83 TAL 196.28 TAP 48.20 RCA 103.35 APO 148.65 V2 34.804
 RC 137.863 GL 25.59 GP .58 ZAL 113.08 ZAP 153.66 ETS 359.36 ZAE 131.94 ETE 180.18 ZAC 49.90 ETC 159.96 CLP-153.67

PLANETOCENTRIC CONIC

C3 13.474 VHL 3.671 DLA 9.52 RAL 314.42 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 4.827 OPA -18.84 RAP 317.08 ECC 1.2217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 48 2423.87 -24.04 55.19 172.15 105.44 2 41 12 1823.9 -21.68 47.31
 90.00 16 23 29 4488.56 8.59 187.08 168.83 62.92 17 37 57 3868.6 4.90 180.35
 100.00 3 26 49 2146.45 -25.04 34.47 171.83 106.88 4 2 36 1546.4 -22.49 26.60
 100.00 17 40 9 4221.21 9.52 168.40 168.34 61.53 18 50 30 3621.2 5.65 161.75
 110.00 4 45 42 1899.62 -27.72 14.70 170.81 110.85 5 17 22 1299.6 -24.63 6.89
 110.00 18 37 45 4040.81 11.96 153.25 166.88 57.74 19 45 6 3440.8 7.62 146.85

DIFFERENTIAL CORRECTIONS

TOE 1.1427 TRA -.8922 TC3-5.1868 BAU .9360
 RDE .0747 RRA -.0065 RC3 .3100 FAU .07239
 FDE 1.1995 FRA .0979 FC3-4.6513 BSP 13941
 BDE 1.1451 BRA .8922 BC3 5.1961 FSP -1110

MID-COURSE EXECUTION ACCURACY

SGT 4435.6 SGR 255.9 SG3 336.7
 RRT -.5675 RRF -.9620 RTF .9327
 SGB 4443.0 R23 .0383 R13 -.9327
 SG1 4438.0 SG2 210.6 TMA 178.12

ORBIT DETERMINATION ACCURACY

ST 1836.8 SR 116.8 SS 782.3
 CRT .9715 CRS -.9923 CST -.9670
 LSA 1991.3 MSA 185.3 SSA 15.3
 EL1 1840.3 EL2 27.6 ALF 5.54

LAUNCH DATE DEC 8 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 445.466

RL 147.35 LAL .00 LOL 75.70 VL 27.304 GAL -3.20 AZL 86.66 MCA 215.09 SMA 125.70 ECC .18080 INC 3.3369 V1 30.236
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.170 GAP 7.06 AZP 92.73 TAL 194.77 TAP 49.86 RCA 102.97 APO 148.43 V2 34.799
 RC 140.164 GL 25.77 GP .52 ZAL 110.86 ZAP 155.01 ETS 359.40 ZAE 131.54 ETE 180.13 ZAC 51.65 ETC 160.44 CLP-155.01

PLANETOCENTRIC CONIC

C3 13.324 VHL 3.650 DLA 10.38 RAL 316.50 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 4.947 OPA -18.41 RAP 318.95 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 8 2449.85 -24.49 56.95 174.35 104.67 2 42 58 1849.8 -22.24 49.01
 90.00 16 38 49 4437.73 7.63 185.32 170.79 62.65 17 52 46 3837.7 3.91 178.62
 100.00 3 28 39 2170.86 -25.52 36.13 174.04 106.13 4 4 49 1570.9 -23.06 28.19
 100.00 17 55 0 4191.95 8.57 166.75 170.29 61.25 19 4 51 3591.9 4.67 160.13
 110.00 4 48 36 1920.66 -28.22 16.13 173.05 110.14 5 20 37 1320.7 -25.22 8.25
 110.00 18 51 31 4014.92 11.02 151.84 168.82 57.43 19 58 26 3414.9 6.65 145.48

DIFFERENTIAL CORRECTIONS

TOE 1.2002 TRA -.8214 TC3-5.3594 BAU .9564
 RDE .0837 RRA -.0145 RC3 .3192 FAU .06853
 FDE 1.1750 FRA .1705 FC3-4.4525 BSP 14276
 BDE 1.2032 BRA .8216 BC3 5.3649 FSP -1068

MID-COURSE EXECUTION ACCURACY

SGT 4536.1 SGR 268.5 SG3 323.8
 RRT -.5206 RRF -.5184 RTF .9317
 SGB 4544.1 R23 .0376 R13 -.9317
 SG1 4538.3 SG2 229.2 TMA 178.23

ORBIT DETERMINATION ACCURACY

ST 1928.1 SR 131.7 SS 790.3
 CRT .9818 CRS -.9897 CST -.9690
 LSA 2079.9 MSA 182.1 SSA 14.3
 EL1 1932.5 EL2 24.9 ALF 3.84

LAUNCH DATE DEC 8 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 451.338

RL 147.35 LAL .00 LOL 75.70 VL 27.259 GAL -2.90 AZL 86.66 MCA 218.25 SMA 125.40 ECC .18198 INC 3.3432 V1 30.236
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.132 GAP 7.29 AZP 92.63 TAL 193.25 TAP 51.50 RCA 102.58 APO 148.22 V2 34.795
 RC 142.456 GL 25.90 GP .47 ZAL 108.55 ZAP 156.30 ETS 359.45 ZAE 131.20 ETE 180.09 ZAC 53.46 ETC 160.92 CLP-156.30

PLANETOCENTRIC CONIC

C3 13.207 VHL 3.634 DLA 11.27 RAL 318.69 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 5.070 OPA -17.94 RAP 320.87 ECC 1.2174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 36 2477.24 -24.95 58.83 176.71 103.84 2 44 53 1877.2 -22.81 50.82
 90.00 16 54 48 4406.51 6.65 183.55 172.90 62.41 18 8 14 3806.5 2.91 176.87
 100.00 3 30 37 2196.60 -25.99 37.89 176.41 105.31 4 7 14 1596.6 -23.64 29.88
 100.00 18 10 28 4162.38 7.60 165.09 172.39 61.00 19 19 50 3562.4 3.67 158.50
 110.00 4 51 43 1942.85 -28.73 17.66 175.45 109.37 5 24 5 1342.9 -25.82 9.69
 110.00 19 5 52 3988.90 10.06 150.43 170.90 57.16 20 12 21 3388.9 5.66 144.10

DIFFERENTIAL CORRECTIONS

TOE 1.2597 TRA -.7428 TC3-5.5193 BAU .9762
 RDE .0925 RRA -.0226 RC3 .3269 FAU .06486
 FDE 1.1514 FRA .2392 FC3-4.2516 BSP 14617
 BDE 1.2631 BRA .7431 BC3 5.5289 FSP -1031

MID-COURSE EXECUTION ACCURACY

SGT 4632.8 SGR 281.1 SG3 311.4
 RRT -.4763 RRF -.4773 RTF .9308
 SGB 4641.4 R23 .0372 R13 -.9308
 SG1 4634.8 SG2 247.1 TMA 178.34

ORBIT DETERMINATION ACCURACY

ST 2021.7 SR 146.3 SS 797.8
 CRT .9888 CRS -.9855 CST -.9709
 LSA 2171.0 MSA 178.6 SSA 15.3
 EL1 2026.9 EL2 21.8 ALF 4.09

LAUNCH DATE DEC 8 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 457.196

RL 147.35 LAL .00 LOL 75.70 VL 27.213 GAL -2.59 AZL 86.65 MCA 221.41 SMA 125.11 ECC .18329 INC 3.3486 V1 30.236
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.096 GAP 7.52 AZP 92.51 TAL 191.70 TAP 53.12 RCA 102.18 APO 148.04 V2 34.791
 RC 144.737 GL 25.99 GP .43 ZAL 106.16 ZAP 157.53 ETS 359.52 ZAE 130.89 ETE 180.04 ZAC 55.31 ETC 161.39 CLP-157.53

PLANETOCENTRIC CONIC

C3 13.126 VHL 3.623 DLA 12.17 RAL 320.98 RAD 6567.5 VEL 11.598 PTH 2.03 VHP 5.194 OPA -17.42 RAP 322.82 ECC 1.2160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 11 2506.13 -25.41 60.82 179.22 102.94 2 46 57 1906.1 -23.38 52.74
 90.00 17 11 27 4374.97 5.66 181.77 175.16 62.21 18 24 22 3775.0 1.89 175.11
 100.00 3 32 45 2223.73 -26.46 39.77 178.94 104.43 4 9 49 1623.7 -24.22 31.69
 100.00 18 26 34 4132.60 6.61 163.43 174.64 60.78 19 35 27 3532.6 2.67 156.86
 110.00 4 55 2 1966.25 -29.25 19.28 178.00 108.54 5 27 48 1366.2 -26.44 11.23
 110.00 19 20 46 3962.85 9.10 149.03 173.13 56.91 20 26 49 3362.8 4.68 142.73

DIFFERENTIAL CORRECTIONS

TOE 1.3252 TRA -.6530 TC3-5.6558 BAU .9942
 RDE .1010 RRA -.0309 RC3 .3325 FAU .06123
 FDE 1.1335 FRA .3077 FC3-4.0384 BSP 14878
 BDE 1.3290 BRA .6538 BC3 5.6656 FSP -988

MID-COURSE EXECUTION ACCURACY

SGT 4722.7 SGR 293.3 SG3 299.6
 RRT -.4331 RRF -.4363 RTF .9296
 SGB 4731.8 R23 .0360 R13 -.9296
 SG1 4724.4 SG2 264.3 TMA 178.45

ORBIT DETERMINATION ACCURACY

ST 2123.0 SR 160.5 SS 808.2
 CRT .9931 CRS -.9800 CST -.9730
 LSA 2270.6 MSA 175.0 SSA 16.1
 EL1 2129.0 EL2 18.7 ALF 4.29

LAUNCH DATE DEC 8 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.167 GAL -2.28 AZL 86.65 MCA 224.58 SMA 124.81 ECC .18473 INC 3.3533 V1 30.236
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.059 GAP 7.76 AZP 92.39 TAL 190.14 TAP 54.71 RCA 101.76 APO 147.87 V2 34.788
 RC 147.008 GL 26.04 GP .40 ZAL 103.68 ZAP 158.71 ETS 359.60 ZAE 130.63 ETE 180.00 ZAC 57.22 ETC 161.85 CLP-158.72

PLANETOCENTRIC CONIC
 C3 13.087 VML 3.618 OLA 13.08 RAL 323.36 RAD 6567.5 VEL 11.596 PTH 2.03 VHP 5.322 DPA -16.87 RAP 324.81 ECC 1.2154
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 53 2536.53 -25.86 62.94 181.89 101.97 2 49 10 1936.5 -23.95 54.79
 90.00 17 28 45 4343.25 4.65 179.99 177.58 62.04 18 41 8 3743.3 .87 173.34
 100.00 3 35 2 2252.27 -26.93 41.76 181.62 103.48 4 12 34 1652.3 -24.81 33.60
 100.00 18 43 18 4102.75 5.62 161.77 177.05 60.59 19 51 40 3502.7 1.66 155.22
 110.00 4 58 35 1990.85 -29.77 21.01 180.72 107.63 5 31 46 1390.9 -27.07 12.86
 110.00 19 36 14 3936.93 8.13 147.65 175.51 56.68 20 41 51 3336.9 3.69 141.38

DIFFERENTIAL CORRECTIONS
 TDE 1.3905 TRA -.5573 TC3-5.7811 BAU 1.0131 SGT 4813.1 SGR 305.5 SG3 288.7 ST 2222.6 SR 174.6 SS 815.4
 RDE .1095 RRA -.0393 RC3 .3362 FAU .05796 RRT -.3929 RRF -.3993 RTF .9291 CRT .9951 CRS -.9737 CST -.9749
 FDE 1.1127 FRA .3693 FC3-3.8342 BSP 15200 SGB 4822.8 R23 .0360 R13 -.9291 LSA 2367.6 MSA 170.9 SSA 17.0
 BDE 1.3948 BRA .5587 BC3 5.7909 FSP -955 SG1 4814.6 SG2 280.8 THA 178.57 EL1 2229.3 EL2 17.2 ALF 4.47

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.121 GAL -1.95 AZL 86.64 MCA 227.74 SMA 124.52 ECC .18632 INC 3.3576 V1 30.236
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.024 GAP 8.00 AZP 92.26 TAL 188.55 TAP 56.29 RCA 101.32 APO 147.73 V2 34.786
 RC 149.266 GL 26.02 GP .37 ZAL 101.11 ZAP 159.85 ETS 359.69 ZAE 130.40 ETE 179.97 ZAC 59.16 ETC 162.28 CLP-159.86

PLANETOCENTRIC CONIC
 C3 13.092 VML 3.618 OLA 14.00 RAL 325.84 RAD 6567.5 VEL 11.596 PTH 2.03 VHP 5.452 DPA -16.28 RAP 326.83 ECC 1.2155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 43 2568.47 -26.29 65.18 184.72 100.92 2 51 32 1968.5 -24.51 56.96
 90.00 17 46 42 4311.50 3.63 178.21 180.17 61.90 18 58 33 3711.5 -.16 171.57
 100.00 3 37 29 2282.22 -27.39 43.87 184.47 102.46 4 15 31 1682.2 -25.40 35.63
 100.00 19 0 37 4072.98 4.62 160.13 179.62 60.43 20 8 30 3473.0 .65 153.59
 110.00 5 2 21 2016.67 -30.29 22.84 183.61 106.66 5 35 58 1416.7 -27.71 14.60
 110.00 19 52 14 3911.30 7.17 146.29 178.05 56.49 20 57 26 3311.3 2.71 140.03

DIFFERENTIAL CORRECTIONS
 TDE 1.4586 TRA -.4527 TC3-5.8821 BAU 1.0312 SGT 4898.9 SGR 317.1 SG3 278.1 ST 2323.8 SR 188.5 SS 822.3
 RDE .1180 RRA -.0476 RC3 .3374 FAU .05480 RRT -.3542 RRF -.3634 RTF .9287 CRT .9952 CRS -.9668 CST -.9767
 FDE 1.0933 FRA .4281 FC3-3.6236 BSP 15505 SGB 4909.2 R23 .0356 R13 -.9287 LSA 2466.5 MSA 166.9 SSA 17.8
 BDE 1.4634 BRA .4552 BC3 5.8917 FSP -923 SG1 4900.2 SG2 296.5 THA 178.68 EL1 2331.3 EL2 18.4 ALF 4.62

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.076 GAL -1.60 AZL 86.64 MCA 230.90 SMA 124.24 ECC .18807 INC 3.3614 V1 30.236
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.989 GAP 8.24 AZP 92.12 TAL 186.95 TAP 57.85 RCA 100.87 APO 147.60 V2 34.785
 RC 151.511 GL 25.95 GP .34 ZAL 98.47 ZAP 160.95 ETS 359.79 ZAE 130.21 ETE 179.94 ZAC 61.15 ETC 162.70 CLP-160.95

PLANETOCENTRIC CONIC
 C3 13.149 VML 3.626 OLA 14.92 RAL 328.41 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 5.586 DPA -15.65 RAP 328.87 ECC 1.2164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 41 2801.92 -26.70 67.54 187.72 99.81 2 54 3 2001.9 -25.07 59.25
 90.00 18 5 15 4279.91 2.62 176.44 182.92 61.79 19 16 34 3679.9 -1.18 169.81
 100.00 3 40 6 2313.56 -27.83 46.09 187.48 101.37 4 18 40 1713.6 -25.98 37.78
 100.00 19 18 31 4043.50 3.63 158.50 182.36 60.31 20 25 54 3443.5 -.35 151.97
 110.00 5 6 22 2043.65 -30.80 24.78 186.66 105.62 5 40 26 1443.7 -28.35 16.44
 110.00 20 8 44 3886.17 6.22 144.96 180.75 56.32 21 13 31 3286.2 1.75 138.72

DIFFERENTIAL CORRECTIONS
 TDE 1.5300 TRA -.3390 TC3-5.9572 BAU 1.0489 SGT 4981.6 SGR 328.4 SG3 268.2 ST 2426.7 SR 202.2 SS 829.3
 RDE .1287 RRA -.0599 RC3 .3360 FAU .05179 RRT -.3168 RRF -.3285 RTF .9283 CRT .9937 CRS -.9593 CST -.9785
 FDE 1.0759 FRA .4848 FC3-3.4102 BSP 15789 SGB 4992.4 R23 .0350 R13 -.9284 LSA 2567.2 MSA 163.0 SSA 18.5
 BDE 1.5352 BRA .3436 BC3 5.9667 FSP -891 SG1 4982.7 SG2 311.4 THA 178.80 EL1 2435.0 EL2 22.5 ALF 4.73

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 27.031 GAL -1.25 AZL 86.64 MCA 234.06 SMA 123.95 ECC .18998 INC 3.3650 V1 30.236
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.956 GAP 8.48 AZP 91.98 TAL 185.34 TAP 59.40 RCA 100.40 APO 147.50 V2 34.784
 RC 153.743 GL 25.82 GP .32 ZAL 95.77 ZAP 162.01 ETS 359.90 ZAE 130.04 ETE 179.91 ZAC 63.17 ETC 163.10 CLP-162.02

PLANETOCENTRIC CONIC
 C3 13.261 VML 3.642 OLA 15.84 RAL 331.07 RAD 6567.5 VEL 11.604 PTH 2.03 VHP 5.724 DPA -14.99 RAP 330.93 ECC 1.2182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 48 2636.82 -27.08 70.02 190.88 98.62 2 56 45 2036.8 -25.61 61.66
 90.00 18 24 21 4248.69 1.61 174.70 185.84 61.73 19 35 10 3648.7 -2.18 168.07
 100.00 3 42 55 2346.21 -28.25 48.43 190.66 100.21 4 22 1 1746.2 -26.55 40.04
 100.00 19 36 56 4014.53 2.65 156.91 185.26 60.21 20 43 50 3414.5 -1.34 150.38
 110.00 5 10 38 2071.74 -31.29 26.82 189.89 104.51 5 45 10 1471.7 -28.99 18.37
 110.00 20 25 42 3861.77 5.30 143.67 183.61 56.18 21 30 4 3261.8 .82 137.45

DIFFERENTIAL CORRECTIONS
 TDE 1.6082 TRA -.2133 TC3-5.9946 BAU 1.0644 SGT 5056.6 SGR 338.9 SG3 258.5 ST 2532.7 SR 215.8 SS 836.1
 RDE .1356 RRA -.0640 RC3 .3318 FAU .04880 RRT -.2796 RRF -.2932 RTF .9279 CRT .9909 CRS -.9514 CST -.9802
 FDE 1.0602 FRA .5412 FC3-3.1856 BSP 16013 SGB 5068.0 R23 .0340 R13 -.9279 LSA 2671.0 MSA 159.6 SSA 19.1
 BDE 1.6119 BRA .2227 BC3 6.0038 FSP -857 SG1 5057.5 SG2 325.3 THA 178.92 EL1 2541.7 EL2 28.9 ALF 4.83

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.986 GAL -.88 AZL 86.63 MCA 237.22 SMA 123.67 ECC .19207 INC 5.3682 V1 30.236
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.923 GAP 8.73 AZP 91.82 TAL 183.71 TAP 60.93 RCA 99.92 APO 147.42 V2 34.784
 RC 155.962 GL 25.63 GP .30 ZAL 93.00 ZAP 163.04 ETS .02 ZAE 129.90 ETE 179.89 ZAC 65.23 ETC 163.48 CLP-163.05

PLANETOCENTRIC CONIC
 C3 13.436 VHL 3.665 DLA 16.75 RAL 333.81 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 5.866 DPA -14.29 RAP 333.02 ECC 1.2211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 4 2673.07 -27.42 72.62 194.20 97.36 2 59 38 2073.1 -26.12 64.20
 90.00 18 43 58 4218.12 .62 172.99 188.92 61.69 19 54 17 3618.1 -3.17 166.36
 100.00 3 45 56 2380.08 -28.63 50.87 194.00 98.98 4 25 36 1780.1 -27.09 42.41
 100.00 19 55 48 3986.35 1.69 155.36 188.33 60.15 21 2 15 3386.3 -2.29 148.84
 110.00 5 15 11 2100.84 -31.77 28.95 193.28 103.33 5 50 12 1500.8 -29.61 20.41
 110.00 20 43 3 3838.36 4.41 142.44 186.64 56.07 21 47 1 3238.4 -.07 136.22

DIFFERENTIAL CORRECTIONS
 TOE 1.6819 TRA -.0811 TC3-6.0092 BAU 1.0810 SGT 5131.9 SGR 349.0 SG3 249.4 ST 2632.6 SR 229.4 SS 839.7
 ROE .1450 RRA -.0718 RC3 .3249 FAU .04608 RRT -.2446 RRF -.2606 RTF .9280 CRT .9871 CRS -.9436 CST -.9817
 FOE 1.0426 FRA .5928 FC3-2.9690 BSP 16300 SGB 5143.7 R23 .0337 R13 -.9280 LSA 2768.2 MSA 156.4 SSA 19.6
 BOE 1.6881 BRA .1083 BC3 6.0180 FSP -.831 SG1 5132.6 SG2 338.4 TMA 179.04 EL1 2642.3 EL2 36.6 ALF 4.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.941 GAL -.50 AZL 86.63 MCA 240.38 SMA 123.39 ECC .19435 INC 3.3712 V1 30.236
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.891 GAP 8.98 AZP 91.67 TAL 182.07 TAP 62.45 RCA 99.41 APO 147.37 V2 34.785
 RC 158.168 GL 25.36 GP .28 ZAL 90.18 ZAP 164.04 ETS .15 ZAE 129.79 ETE 179.88 ZAC 67.32 ETC 163.83 CLP-164.05

PLANETOCENTRIC CONIC
 C3 13.680 VHL 3.699 DLA 17.64 RAL 336.63 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 6.014 DPA -13.56 RAP 335.11 ECC 1.2251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 32 2710.57 -27.72 75.33 197.67 96.04 3 2 42 2110.6 -26.59 66.84
 90.00 19 4 1 4188.47 -.33 171.34 192.17 61.68 20 13 49 3588.5 -4.12 164.70
 100.00 3 49 10 2415.04 -28.98 53.41 197.50 97.68 4 29 25 1815.0 -27.61 44.88
 100.00 20 15 4 3959.23 .77 153.87 191.55 60.12 21 21 3 3359.2 -3.21 147.35
 110.00 5 20 1 2130.82 -32.22 31.17 196.84 102.09 5 55 31 1530.8 -30.22 22.53
 110.00 21 0 42 3816.21 3.57 141.28 189.81 55.98 22 4 19 3216.2 -.92 135.07

DIFFERENTIAL CORRECTIONS
 TOE 1.7604 TRA .0602 TC3-5.9890 BAU 1.0968 SGT 5203.1 SGR 358.5 SG3 240.6 ST 2730.4 SR 243.0 SS 842.0
 ROE .1548 RRA -.0792 RC3 .3153 FAU .04348 RRT -.2101 RRF -.2282 RTF .9285 CRT .9825 CRS -.9359 CST -.9832
 FOE 1.0257 FRA .6410 FC3-2.7519 BSP 16575 SGB 5215.5 R23 .0330 R13 -.9286 LSA 2863.5 MSA 153.6 SSA 20.0
 BOE 1.7672 BRA .0994 BC3 5.9972 FSP -.806 SG1 5203.7 SG2 350.4 TMA 179.17 EL1 2740.9 EL2 45.0 ALF 5.00

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.896 GAL -.10 AZL 86.63 MCA 243.54 SMA 123.12 ECC .19684 INC 3.3740 V1 30.236
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.860 GAP 9.25 AZP 91.50 TAL 180.42 TAP 63.96 RCA 98.88 APO 147.35 V2 34.787
 RC 160.359 GL 25.03 GP .27 ZAL 87.32 ZAP 165.02 ETS .29 ZAE 129.70 ETE 179.86 ZAC 69.43 ETC 164.17 CLP-165.02

PLANETOCENTRIC CONIC
 C3 14.000 VHL 3.742 DLA 18.50 RAL 339.52 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.166 DPA -12.81 RAP 337.22 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 11 2749.13 -27.96 78.12 201.29 94.66 3 6 0 2149.1 -27.02 69.58
 90.00 19 24 23 4160.06 -1.25 169.75 195.57 61.71 20 33 43 3560.1 -5.02 163.10
 100.00 3 52 39 2450.92 -29.27 56.04 201.15 96.33 4 33 30 1850.9 -28.09 47.44
 100.00 20 34 36 3933.49 -.10 152.46 194.93 60.11 21 40 9 3333.5 -4.08 145.93
 110.00 5 25 9 2161.55 -32.64 33.47 200.56 100.78 6 1 10 1561.5 -30.80 24.73
 110.00 21 18 36 3795.63 2.78 140.20 193.13 55.92 22 21 51 3195.6 -1.71 134.00

DIFFERENTIAL CORRECTIONS
 TOE 1.8322 TRA .2065 TC3-5.9462 BAU 1.1144 SGT 5270.9 SGR 367.4 SG3 231.9 ST 2810.5 SR 256.9 SS 834.8
 ROE .1654 RRA -.0861 RC3 .3033 FAU .04125 RRT -.1783 RRF -.2015 RTF .9300 CRT .9776 CRS -.9283 CST -.9843
 FOE .9996 FRA .6828 FC3-2.5510 BSP 17087 SGB 5283.7 R23 .0354 R13 -.9301 LSA 2939.2 MSA 151.1 SSA 20.2
 BOE 1.8396 BRA .2237 BC3 5.9539 FSP -.812 SG1 5271.3 SG2 361.5 TMA 179.28 EL1 2821.7 EL2 53.8 ALF 5.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.852 GAL .31 AZL 86.62 MCA 246.71 SMA 122.85 ECC .19955 INC 3.3768 V1 30.236
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.829 GAP 9.52 AZP 91.34 TAL 178.76 TAP 65.47 RCA 98.33 APO 147.36 V2 34.789
 RC 162.536 GL 24.63 GP .25 ZAL 84.43 ZAP 165.97 ETS .43 ZAE 129.62 ETE 179.86 ZAC 71.58 ETC 164.49 CLP-165.97

PLANETOCENTRIC CONIC
 C3 14.405 VHL 3.795 DLA 19.32 RAL 342.46 RAD 6567.6 VEL 11.653 PTH 2.05 VHP 6.324 DPA -12.03 RAP 339.34 ECC 1.2371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 3 2788.61 -28.15 80.99 205.05 93.23 3 9 32 2188.6 -27.40 72.41
 90.00 19 44 59 4133.16 -2.12 168.25 199.13 61.76 20 53 53 3533.2 -5.88 161.59
 100.00 3 56 24 2487.58 -29.52 58.74 204.94 94.93 4 37 52 1887.6 -28.52 50.08
 100.00 20 54 19 3909.43 -.92 151.14 198.46 60.12 21 59 29 3309.4 -4.88 144.60
 110.00 5 30 36 2192.89 -33.01 35.84 204.43 99.43 6 7 9 1592.9 -31.36 27.01
 110.00 21 36 37 3776.88 2.07 139.22 196.59 55.87 22 39 34 3176.9 -2.42 133.02

DIFFERENTIAL CORRECTIONS
 TOE 1.9251 TRA .3784 TC3-5.8304 BAU 1.1242 SGT 5328.7 SGR 375.3 SG3 223.9 ST 2914.8 SR 270.2 SS 845.4
 ROE .1765 RRA -.0926 RC3 .2883 FAU .03836 RRT -.1417 RRF -.1609 RTF .9289 CRT .9719 CRS -.9210 CST -.9858
 FOE .9972 FRA .7369 FC3-2.3055 BSP 17009 SGB 5341.9 R23 .0289 R13 -.9289 LSA 3043.2 MSA 150.6 SSA 20.3
 BOE 1.9332 BRA .3876 BC3 5.8375 FSP -.750 SG1 5329.0 SG2 371.5 TMA 179.43 EL1 2926.6 EL2 63.4 ALF 5.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 174.00

ARRIVAL DATE MAY 31 1966

DISTANCE 509.206

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.808 GAL .74 AZL 86.62 HCA 249.87 SMA 122.58 ECC .20249 INC 3.3793 V1 30.236
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.800 GAP 9.80 AZP 91.16 TAL 177.09 TAP 66.96 RCA 97.76 APO 147.40 V2 34.792
 RC 164.699 GL 24.16 GP .24 ZAL 81.53 ZAP 166.89 ETS .59 ZAE 129.57 ETE 179.86 ZAC 73.74 ETC 164.79 CLP-166.89

PLANETOCENTRIC CONIC
 C3 14.905 VHL 3.861 DLA 20.11 RAL 345.45 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 6.490 DPA -11.22 RAP 341.47 ECC 1.2453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 11 2828.77 -28.27 83.93 208.94 91.76 3 13 20 2228.8 -27.72 75.30
 90.00 20 5 42 4108.18 -2.92 166.86 202.82 61.82 21 14 10 3508.2 -6.67 160.18
 100.00 4 0 27 2524.77 -29.71 61.49 208.86 93.50 4 42 32 1924.8 -28.90 52.77
 100.00 21 14 6 3887.41 -1.66 149.93 202.12 60.15 22 18 54 3287.4 -5.62 143.38
 110.00 5 36 23 2224.65 -33.34 38.26 208.43 98.03 6 13 28 1624.6 -31.87 29.34
 110.00 21 54 40 3760.30 1.43 138.36 200.18 55.84 22 57 20 3160.3 -3.06 132.15

DIFFERENTIAL CORRECTIONS
 TDE 2.0088 TRA .5506 TC3-5.7016 BAU 1.1374 SGT 5387.6 SGR 382.7 SG3 216.3 ST 2995.5 SR 283.8 SS 842.9
 RDE .1886 RRA -.0983 RC3 .2715 FAU .03606 RRT -.1086 RRF -.1293 RTF .9296 CRT .9662 CRS -.9138 CST -.9868
 FDE .9810 FRA .7828 FC3-2.0942 BSP 17218 SGB 5401.1 R23 .0280 R13 -.9296 LSA 3121.0 MSA 150.5 SSA 20.3
 BDE 2.0176 BRA .5593 BC3 5.7081 FSP -726 SG1 5387.7 SG2 380.4 THA 179.56 EL1 3008.0 EL2 72.9 ALF 5.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 2 1966

DISTANCE 514.890

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.764 GAL 1.19 AZL 86.62 HCA 253.03 SMA 122.31 ECC .20570 INC 3.3818 V1 30.236
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.772 GAP 10.09 AZP 90.99 TAL 175.41 TAP 68.44 RCA 97.15 APO 147.47 V2 34.796
 RC 166.847 GL 23.63 GP .23 ZAL 78.62 ZAP 167.80 ETS .75 ZAE 129.52 ETE 179.86 ZAC 75.93 ETC 165.06 CLP-167.80

PLANETOCENTRIC CONIC
 C3 15.510 VHL 3.938 DLA 20.84 RAL 348.47 RAD 6567.6 VEL 11.700 PTH 2.06 VHP 6.662 DPA -10.38 RAP 343.61 ECC 1.2553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 36 2869.35 -28.32 86.89 212.93 90.27 3 17 26 2269.4 -27.98 78.24
 90.00 20 26 21 4085.47 -3.65 165.59 206.63 61.90 21 34 27 3485.5 -7.38 158.89
 100.00 4 4 50 2562.27 -29.83 64.27 212.90 92.04 4 47 33 1962.3 -29.23 55.51
 100.00 21 33 49 3867.79 -2.33 148.85 205.90 60.19 22 38 16 3267.8 -6.28 142.29
 110.00 5 42 32 2256.64 -33.62 40.72 212.56 96.60 6 20 8 1656.6 -32.34 31.72
 110.00 22 12 37 3746.18 .89 137.62 203.88 55.83 23 15 3 3146.2 -3.60 131.42

DIFFERENTIAL CORRECTIONS
 TDE 2.0928 TRA .7340 TC3-5.5383 BAU 1.1496 SGT 5441.1 SGR 389.4 SG3 208.6 ST 3066.7 SR 297.3 SS 839.2
 RDE .2016 RRA -.1033 RC3 .2530 FAU .03377 RRT -.0756 RRF -.0961 RTF .9303 CRT .9605 CRS -.9074 CST -.9878
 FDE .9859 FRA .8257 FC3-1.8848 BSP 17433 SGB 5455.0 R23 .0256 R13 -.9304 LSA 3189.7 MSA 150.8 SSA 20.1
 BDE 2.1025 BRA .7412 BC3 5.5441 FSP -704 SG1 5441.2 SG2 388.2 THA 179.69 EL1 3080.0 EL2 82.4 ALF 5.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 4 1966

DISTANCE 520.551

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.721 GAL 1.65 AZL 86.62 HCA 256.19 SMA 122.05 ECC .20918 INC 3.3842 V1 30.236
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.744 GAP 10.39 AZP 90.81 TAL 173.73 TAP 69.93 RCA 96.52 APO 147.58 V2 34.800
 RC 168.980 GL 23.04 GP .22 ZAL 75.72 ZAP 168.69 ETS .92 ZAE 129.50 ETE 179.87 ZAC 78.13 ETC 165.32 CLP-168.69

PLANETOCENTRIC CONIC
 C3 16.234 VHL 4.029 DLA 21.53 RAL 351.50 RAD 6567.7 VEL 11.731 PTH 2.07 VHP 6.843 DPA -9.53 RAP 345.75 ECC 1.2672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 21 2910.10 -28.29 89.87 217.02 88.78 3 21 51 2310.1 -28.16 81.21
 90.00 20 46 30 4065.40 -4.29 164.46 210.55 61.98 21 54 35 3465.4 -8.01 157.75
 100.00 4 9 34 2599.83 -29.89 67.06 217.03 90.57 4 52 54 1999.8 -29.49 58.28
 100.00 21 53 18 3850.90 -2.90 147.92 209.78 60.24 22 57 29 3250.9 -6.84 141.35
 110.00 5 49 2 2288.69 -33.84 43.20 216.80 95.15 6 27 10 1688.7 -32.76 34.13
 110.00 22 30 20 3734.80 .46 137.03 207.69 55.82 23 32 35 3134.8 -4.03 130.82

DIFFERENTIAL CORRECTIONS
 TDE 2.1771 TRA .9295 TC3-5.3442 BAU 1.1609 SGT 5490.9 SGR 395.3 SG3 201.4 ST 3127.9 SR 310.6 SS 833.6
 RDE .2156 RRA -.1074 RC3 .2331 FAU .03162 RRT -.0428 RRF -.0637 RTF .9314 CRT .9548 CRS -.9012 CST -.9888
 FDE .9507 FRA .8683 FC3-1.6864 BSP 17623 SGB 5505.1 R23 .0236 R13 -.9314 LSA 3248.3 MSA 152.0 SSA 19.8
 BDE 2.1878 BRA .9357 BC3 5.3493 FSP -680 SG1 5490.9 SG2 394.9 THA 179.82 EL1 3141.9 EL2 92.0 ALF 5.42

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 6 1966

DISTANCE 526.185

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.678 GAL 2.14 AZL 86.61 HCA 259.36 SMA 121.80 ECC .21297 INC 3.3865 V1 30.236
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.718 GAP 10.70 AZP 90.63 TAL 172.05 TAP 71.41 RCA 95.86 APO 147.73 V2 34.805
 RC 171.096 GL 22.39 GP .21 ZAL 72.85 ZAP 169.56 ETS 1.10 ZAE 129.48 ETE 179.88 ZAC 80.35 ETC 165.55 CLP-169.56

PLANETOCENTRIC CONIC
 C3 17.089 VHL 4.134 DLA 22.15 RAL 354.54 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 7.033 DPA -8.65 RAP 347.89 ECC 1.2812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 28 2930.73 -28.20 92.84 221.19 87.29 3 26 39 2350.7 -28.28 84.18
 90.00 21 6 58 4048.32 -4.84 163.50 214.57 62.07 22 14 26 3448.3 -8.54 156.78
 100.00 4 14 42 2637.21 -29.88 69.84 221.25 89.11 4 58 39 2037.2 -29.68 61.04
 100.00 22 12 25 3837.07 -3.36 147.16 213.76 60.28 23 16 22 3237.1 -7.30 140.58
 110.00 5 55 53 2320.64 -34.01 45.67 221.13 93.70 6 34 34 1720.6 -33.12 36.55
 110.00 22 47 43 3726.41 .14 136.59 211.57 55.82 23 49 49 3126.4 -4.35 130.38

DIFFERENTIAL CORRECTIONS
 TDE 2.2641 TRA 1.1400 TC3-5.1146 BAU 1.1695 SGT 5535.3 SGR 400.5 SG3 194.6 ST 3182.1 SR 323.6 SS 827.7
 RDE .2507 RRA -.1103 RC3 .2123 FAU .02945 RRT -.0096 RRF -.0300 RTF .9322 CRT .9491 CRS -.8954 CST -.9896
 FDE .9370 FRA .9120 FC3-1.4922 BSP 17738 SGB 5549.8 R23 .0211 R13 -.9322 LSA 3300.2 MSA 154.1 SSA 19.4
 BDE 2.2758 BRA 1.1454 BC3 5.1190 FSP -635 SG1 5535.3 SG2 400.4 THA 179.96 EL1 3196.9 EL2 101.5 ALF 5.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.635 GAL 2.65 AZL 86.61 HCA 262.52 SMA 121.54 ECC .21709 INC 3.3888 V1 30.236
 RP 108.86 LAP -3.38 LOP 338.21 VP 36.692 GAP 11.04 AZP 90.44 TAL 170.36 TAP 72.89 RCA 95.16 APO 147.93 V2 34.811
 RC 173.196 GL 21.70 GP .21 ZAL 70.02 ZAP 170.42 ETS 1.30 ZAE 129.47 ETE 179.89 ZAC 82.59 ETC 165.76 CLP-170.42

PLANETOCENTRIC CONIC
 C3 18.093 VHL 4.254 OLA 22.71 RAL 357.57 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 7.233 DPA -7.76 RAP 350.04 ECC 1.2978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 0 2990.93 -28.03 95.77 225.42 85.83 3 31 51 2390.9 -28.32 87.12
 90.00 21 26 35 4034.61 -5.28 162.73 218.66 62.14 22 33 49 3434.6 -8.96 155.99
 100.00 4 20 15 2674.15 -29.81 72.58 225.54 87.67 5 4 49 2074.1 -29.81 63.78
 100.00 22 31 1 3826.63 -3.72 146.59 217.80 60.32 23 34 47 3226.6 -7.64 140.00
 110.00 6 3 7 2352.30 -34.12 48.14 225.54 92.24 6 42 20 1752.3 -33.43 38.97
 110.00 23 4 38 3721.24 -.06 136.32 215.52 55.82 24 6 39 3121.2 -4.54 130.11

DIFFERENTIAL CORRECTIONS
 TDE 2.3466 TRA 1.3585 TC3-4.8699 BAU 1.1789 SGT 5575.8 SGR 404.9 SG3 187.8 ST 3218.8 SR 336.1 SS 818.1
 RDE .2468 RRA -.1125 RC3 .1911 FAU .02748 RRT .0228 RRF .0024 RTF .9336 CRT .9436 CRS -.8901 CST -.9904
 FDE .9209 FRA .9523 FC3-1.3148 BSP 17931 SGB 5590.5 R23 -.0190 R13 .9336 LSA 3334.3 MSA 156.7 SSA 18.9
 BOE 2.3595 BRA 1.3632 BC3 4.8737 FSP -636 SGI 5575.8 SG2 404.8 TMA .10 EL1 3234.4 EL2 110.7 ALF 5.63

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.593 GAL 3.18 AZL 86.61 HCA 265.69 SMA 121.29 ECC .22157 INC 3.3910 V1 30.236
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.668 GAP 11.38 AZP 90.25 TAL 168.68 TAP 74.37 RCA 94.42 APO 148.17 V2 34.817
 RC 175.278 GL 20.97 GP .20 ZAL 67.23 ZAP 171.27 ETS 1.51 ZAE 129.46 ETE 179.91 ZAC 84.83 ETC 165.95 CLP-171.27

PLANETOCENTRIC CONIC
 C3 19.264 VHL 4.389 OLA 23.20 RAL .57 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 7.444 DPA -6.85 RAP 352.18 ECC 1.3170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 59 3030.41 -27.81 98.64 229.71 84.41 3 37 30 2430.4 -28.29 90.00
 90.00 21 45 31 4024.61 -5.59 162.17 222.80 62.20 22 52 36 3424.6 -9.27 155.42
 100.00 4 26 14 2710.41 -29.68 75.27 229.88 86.26 5 11 25 2110.4 -29.88 66.47
 100.00 22 48 58 3819.84 -3.95 146.21 221.90 60.35 23 52 37 3219.8 -7.87 139.62
 110.00 6 10 43 2383.55 -34.17 50.58 230.02 90.80 6 50 26 1783.5 -33.69 41.37
 110.00 23 20 58 3719.47 -.13 136.23 219.52 55.82 24 22 58 3119.5 -4.61 130.01

DIFFERENTIAL CORRECTIONS
 TDE 2.4295 TRA 1.5911 TC3-4.6036 BAU 1.1864 SGT 5612.1 SGR 408.6 SG3 181.3 ST 3245.4 SR 348.1 SS 808.2
 RDE .2640 RRA -.1133 RC3 .1699 FAU .02555 RRT .0553 RRF .0355 RTF .9350 CRT .9382 CRS -.8851 CST -.9911
 FDE .9061 FRA .9928 FC3-1.1481 BSP 18097 SGB 5626.9 R23 -.0165 R13 .9350 LSA 3358.7 MSA 159.8 SSA 18.4
 BOE 2.4438 BRA 1.5951 BC3 4.6067 FSP -616 SGI 5612.1 SG2 408.0 TMA .23 EL1 3261.8 EL2 119.8 ALF 5.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.551 GAL 3.74 AZL 86.61 HCA 268.86 SMA 121.05 ECC .22644 INC 3.3932 V1 30.236
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.644 GAP 11.75 AZP 90.07 TAL 167.00 TAP 75.86 RCA 93.64 APO 148.46 V2 34.824
 RC 177.341 GL 20.20 GP .19 ZAL 64.50 ZAP 172.11 ETS 1.74 ZAE 129.47 ETE 179.93 ZAC 87.09 ETC 166.12 CLP-172.12

PLANETOCENTRIC CONIC
 C3 20.625 VHL 4.542 OLA 23.63 RAL 3.53 RAD 6567.8 VEL 11.917 PTH 2.12 VHP 7.668 DPA -5.92 RAP 354.33 ECC 1.3394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 29 3068.86 -27.52 101.41 234.02 83.05 3 43 38 2468.9 -28.20 92.81
 90.00 22 3 38 4018.64 -5.78 161.83 226.98 62.23 23 10 36 3418.6 -9.46 155.08
 100.00 4 32 42 2745.78 -29.49 77.88 234.26 84.89 5 18 27 2145.8 -29.89 69.10
 100.00 23 6 7 3816.95 -4.04 146.06 226.02 60.36 24 9 44 3217.0 -7.96 139.46
 110.00 6 18 39 2414.27 -34.18 52.98 234.53 89.38 6 58 54 1814.3 -33.89 43.75
 110.00 23 38 38 3721.22 -.06 136.32 223.54 55.82 24 38 40 3121.2 -4.54 130.11

DIFFERENTIAL CORRECTIONS
 TDE 2.5109 TRA 1.8370 TC3-4.3227 BAU 1.1927 SGT 5643.5 SGR 411.5 SG3 175.0 ST 3259.5 SR 359.3 SS 796.7
 RDE .2823 RRA -.1128 RC3 .1490 FAU .02371 RRT .0877 RRF .0683 RTF .9366 CRT .9330 CRS -.8804 CST -.9918
 FDE .8908 FRA 1.0330 FC3 -.9950 BSP 18249 SGB 5658.5 R23 -.0144 R13 .9366 LSA 3370.6 MSA 163.4 SSA 17.8
 BOE 2.5267 BRA 1.8404 BC3 4.3253 FSP -597 SGI 5643.7 SG2 409.9 TMA .37 EL1 3276.7 EL2 128.7 ALF 5.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.510 GAL 4.33 AZL 86.60 HCA 272.03 SMA 120.80 ECC .23175 INC 3.3954 V1 30.236
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.622 GAP 12.15 AZP 89.88 TAL 165.32 TAP 77.35 RCA 92.81 APO 148.80 V2 34.832
 RC 179.385 GL 19.41 GP .19 ZAL 61.83 ZAP 172.95 ETS 1.99 ZAE 129.47 ETE 179.95 ZAC 89.35 ETC 166.27 CLP-172.95

PLANETOCENTRIC CONIC
 C3 22.202 VHL 4.712 OLA 23.99 RAL 6.43 RAD 6567.9 VEL 11.983 PTH 2.14 VHP 7.906 DPA -4.98 RAP 356.48 ECC 1.3654
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 32 3106.02 -27.18 104.08 238.36 81.75 3 50 18 2506.0 -28.05 95.52
 90.00 22 20 46 4016.96 -5.84 161.74 231.18 62.24 23 27 43 3417.0 -9.51 154.98
 100.00 4 39 38 2780.07 -29.26 80.40 238.66 83.59 5 25 58 2180.1 -29.84 71.65
 100.00 23 22 22 3818.14 -4.00 146.12 230.17 60.35 24 26 0 3218.1 -7.92 139.52
 110.00 6 26 55 2444.39 -34.13 55.33 239.08 87.99 7 7 40 1844.4 -34.03 46.09
 110.00 23 51 33 3726.59 .14 136.60 227.58 55.82 24 53 40 3126.6 -4.34 130.39

DIFFERENTIAL CORRECTIONS
 TDE 2.5948 TRA 2.1006 TC3-4.0251 BAU 1.1954 SGT 5671.0 SGR 413.7 SG3 169.1 ST 3266.8 SR 369.6 SS 786.3
 RDE .3017 RRA -.1109 RC3 .1291 FAU .02184 RRT .1209 RRF .1025 RTF .9381 CRT .9277 CRS -.8760 CST -.9924
 FDE .8781 FRA 1.0749 FC3 -.8516 BSP 18307 SGB 5686.1 R23 -.0116 R13 .9381 LSA 3376.1 MSA 167.2 SSA 17.2
 BOE 2.6123 BRA 2.1035 BC3 4.0272 FSP -574 SGI 5671.2 SG2 410.7 TMA .51 EL1 3284.7 EL2 137.2 ALF 6.00

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 16 1966

DISTANCE 553.828

MELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.469 GAL 4.95 AZL 86.60 MCA 275.20 SMA 120.57 ECC .23754 INC 3.3976 V1 30.236
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.600 GAP 12.56 AZP 89.69 TAL 163.66 TAP 78.85 RCA 91.93 APO 149.21 V2 34.840
 RC 181.409 GL 18.59 GP .18 ZAL 59.24 ZAP 173.78 ETS 2.28 ZAE 129.48 ETE 179.97 ZAC 91.62 ETC 166.40 CLP-173.78

PLANETOCENTRIC CONIC
 C3 24.025 VHL 4.902 DLA 24.28 RAL 9.27 RAD 6568.0 VEL 12.058 PTH 2.16 VHP 8.160 DPA -4.04 RAP 358.62 ECC 1.3954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 10 3141.63 -26.81 106.62 242.71 80.53 3 57 31 2541.6 -27.85 98.11
 90.00 22 36 48 4019.81 -5.75 161.90 235.37 62.22 23 43 48 3419.8 -9.42 155.15
 100.00 4 47 3 2813.12 -28.98 82.82 243.08 82.34 5 33 56 2213.1 -29.74 74.10
 100.00 23 37 36 3823.55 -3.82 146.42 234.31 60.33 24 41 19 3223.5 -7.74 139.83
 110.00 6 35 30 2473.84 -34.04 57.63 243.65 86.63 7 16 44 1873.8 -34.13 48.38
 110.00 0 9 34 3735.60 .49 137.07 231.62 55.82 1 11 50 3135.6 -4.00 130.86

MID-COURSE EXECUTION ACCURACY
 SGT 5693.6 SGR 415.2 SG3 163.3 ST 3258.8 SR 378.8 SS 773.7
 RRT .1534 RRF .1355 RTF .9400 CRT .9226 CRS -.8718 CST -.9930
 SGB 5708.7 R23 -.0096 R13 .9400 LSA 3366.3 MSA 171.3 SSA 16.6
 SGI 5694.0 SG2 410.2 THA .64 EL1 3277.5 EL2 145.3 ALF 6.13

ORBIT DETERMINATION ACCURACY
 TOE 2.6743 TRA 2.3760 TC3-3.7287 BAU 1.1981
 RDE .3221 RRA -.1074 RC3 .1101 FAU .02013
 FDE .8638 FRA 1.1156 FC3 -.7256 BSP 18448
 BDE 2.6936 BRA 2.3784 BC3 3.7303 FSP -.557

LAUNCH DATE DEC 8 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 18 1966

DISTANCE 559.218

MELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.428 GAL 5.60 AZL 86.60 MCA 278.37 SMA 120.33 ECC .24385 INC 3.3999 V1 30.236
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.579 GAP 13.01 AZP 89.50 TAL 162.00 TAP 80.37 RCA 90.99 APO 149.68 V2 34.849
 RC 183.413 GL 17.77 GP .17 ZAL 56.74 ZAP 174.61 ETS 2.62 ZAE 129.48 ETE 180.00 ZAC 93.89 ETC 166.50 CLP-174.61

PLANETOCENTRIC CONIC
 C3 26.130 VHL 5.112 DLA 24.51 RAL 12.04 RAD 6568.1 VEL 12.145 PTH 2.18 VHP 8.432 DPA -3.08 RAP .77 ECC 1.4300
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 23 3175.50 -26.41 109.02 247.06 79.39 4 5 19 2575.5 -27.61 100.56
 90.00 22 51 37 4027.32 -5.51 162.32 239.54 62.18 23 58 45 3427.3 -9.19 155.58
 100.00 4 54 57 2844.83 -28.67 85.13 247.50 81.17 5 42 22 2244.8 -29.60 76.45
 100.00 23 51 45 3833.22 -3.49 146.95 238.43 60.29 24 55 38 3233.2 -7.42 140.37
 110.00 6 44 20 2502.60 -33.90 59.86 248.22 85.31 7 26 3 1902.6 -34.18 50.63
 110.00 0 22 47 3748.22 .97 137.73 235.65 55.83 1 25 15 3148.2 -3.52 131.52

MID-COURSE EXECUTION ACCURACY
 SGT 5711.5 SGR 415.9 SG3 157.7 ST 3241.2 SR 386.7 SS 761.1
 RRT .1860 RRF .1687 RTF .9420 CRT .9175 CRS -.8678 CST -.9936
 SGB 5726.6 R23 -.0076 R13 .9420 LSA 3347.1 MSA 175.4 SSA 16.0
 SGI 5712.0 SG2 408.6 THA .78 EL1 3260.6 EL2 152.9 ALF 6.26

ORBIT DETERMINATION ACCURACY
 TOE 2.7531 TRA 2.6878 TC3-3.4301 BAU 1.1987
 RDE .3434 RRA -.1023 RC3 .0925 FAU .01848
 FDE .8504 FRA 1.1588 FC3 -.6124 BSP 18571
 BDE 2.7744 BRA 2.6898 BC3 3.4314 FSP -.540

LAUNCH DATE DEC 8 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 20 1966

DISTANCE 564.544

MELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.388 GAL 6.30 AZL 86.60 MCA 281.54 SMA 120.10 ECC .25075 INC 3.4022 V1 30.236
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.559 GAP 13.48 AZP 89.32 TAL 160.36 TAP 81.91 RCA 89.99 APO 150.22 V2 34.858
 RC 185.395 GL 16.93 GP .17 ZAL 54.32 ZAP 175.44 ETS 3.03 ZAE 129.48 ETE 180.02 ZAC 96.16 ETC 166.57 CLP-175.44

PLANETOCENTRIC CONIC
 C3 28.561 VHL 5.344 DLA 24.68 RAL 14.72 RAD 6568.1 VEL 12.245 PTH 2.20 VHP 8.724 DPA -2.12 RAP 2.91 ECC 1.4700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 13 3207.50 -25.99 111.27 251.41 78.34 4 13 40 2607.5 -27.34 102.86
 90.00 23 5 10 4039.57 -5.12 163.01 243.67 62.11 24 12 29 3439.6 -8.81 156.28
 100.00 5 3 18 2875.15 -28.34 87.32 251.91 80.06 5 51 13 2275.2 -29.42 78.68
 100.00 0 8 42 3847.15 -3.02 147.72 242.52 60.25 1 12 49 3247.1 -6.96 141.14
 110.00 6 53 24 2530.67 -33.72 62.03 252.79 84.04 7 35 35 1930.7 -34.18 52.82
 110.00 0 35 5 3764.39 1.59 138.57 239.64 55.85 1 37 49 3164.4 -2.90 132.37

MID-COURSE EXECUTION ACCURACY
 SGT 5725.1 SGR 415.8 SG3 152.3 ST 3215.5 SR 393.3 SS 749.0
 RRT .2187 RRF .2020 RTF .9443 CRT .9124 CRS -.8639 CST -.9942
 SGB 5740.2 R23 -.0057 R13 .9443 LSA 3320.0 MSA 179.5 SSA 15.4
 SGI 5725.8 SG2 405.7 THA .91 EL1 3235.5 EL2 160.0 ALF 6.38

ORBIT DETERMINATION ACCURACY
 TOE 2.8320 TRA 2.9777 TC3-3.1332 BAU 1.1967
 RDE .3655 RRA -.0954 RC3 .0765 FAU .01689
 FDE .8380 FRA 1.1992 FC3 -.5121 BSP 18673
 BDE 2.8555 BRA 2.9792 BC3 3.1341 FSP -.522

LAUNCH DATE DEC 8 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 22 1966

DISTANCE 569.797

MELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.349 GAL 7.03 AZL 86.60 MCA 284.72 SMA 119.88 ECC .25830 INC 3.4045 V1 30.236
 RP 108.68 LAP -3.29 LOP .44 VP 36.540 GAP 14.00 AZP 89.13 TAL 158.74 TAP 83.46 RCA 88.91 APO 150.84 V2 34.868
 RC 187.357 GL 16.10 GP .17 ZAL 51.99 ZAP 176.27 ETS 3.57 ZAE 129.48 ETE 180.05 ZAC 98.43 ETC 166.63 CLP-176.28

PLANETOCENTRIC CONIC
 C3 31.369 VHL 5.601 DLA 24.79 RAL 17.30 RAD 6568.2 VEL 12.359 PTH 2.23 VHP 9.038 DPA -1.16 RAP 5.04 ECC 1.5163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 37 3237.56 -25.56 113.36 255.74 77.38 4 22 35 2637.6 -27.04 105.01
 90.00 23 17 22 4056.52 -4.58 163.96 247.76 62.03 24 24 59 3456.5 -8.29 157.25
 100.00 5 12 4 2904.07 -27.98 89.39 256.30 79.02 6 0 28 2304.1 -29.21 80.81
 100.00 0 20 33 3865.24 -2.41 148.71 246.56 60.20 1 24 58 3265.2 -6.36 142.15
 110.00 7 2 39 2558.09 -33.51 64.15 257.33 82.81 7 45 17 1958.1 -34.14 54.96
 110.00 0 46 27 3783.99 2.34 139.60 243.60 55.89 1 49 31 3184.0 -2.15 133.39

MID-COURSE EXECUTION ACCURACY
 SGT 5735.7 SGR 415.1 SG3 147.3 ST 3186.1 SR 398.5 SS 738.6
 RRT .2521 RRF .2361 RTF .9466 CRT .9074 CRS -.8604 CST -.9947
 SGB 5750.7 R23 -.0038 R13 .9466 LSA 3289.6 MSA 183.3 SSA 14.8
 SGI 5736.6 SG2 401.7 THA 1.05 EL1 3206.6 EL2 166.5 ALF 6.49

ORBIT DETERMINATION ACCURACY
 TOE 2.9146 TRA 3.3098 TC3-2.8369 BAU 1.1900
 RDE .3885 RRA -.0865 RC3 .0621 FAU .01528
 FDE .8280 FRA 1.2441 FC3 -.4218 BSP 18684
 BDE 2.9404 BRA 3.3109 BC3 2.8376 FSP -.503

LAUNCH DATE DEC 8 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.310 GAL 7.81 AZL 86.59 HCA 287.90 SMA 119.66 ECC .26658 INC 3.4069 V1 30.236
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.522 GAP 14.55 ATP 88.95 TAL 157.15 TAP 85.04 RCA 87.76 APO 151.55 V2 34.878
 RC 189.297 GL 15.26 GP .16 ZAL 49.76 ZAP 177.11 ETS 4.37 ZAE 129.47 ETE 180.08 ZAC 100.70 ETC 166.65 CLP-177.12

PLANETOCENTRIC CONIC
 C3 34.617 VHL 5.884 DLA 24.85 RAL 19.79 RAD 6568.4 VEL 12.489 PTH 2.26 VHP 9.378 DPA -.19 RAP 7.17 ECC 1.5697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 37 35 3265.68 -25.13 115.31 260.04 76.49 4 32 0 2665.7 -26.74 107.01
 90.00 23 28 14 4078.05 -3.89 165.17 251.78 61.93 24 36 12 3478.0 -7.61 158.47
 100.00 5 21 12 2931.60 -27.61 91.36 260.67 78.05 6 10 3 2331.6 -28.97 82.82
 100.00 0 31 14 3887.56 -1.66 149.93 250.54 60.15 1 36 1 3287.4 -5.62 143.38
 110.00 7 12 1 2584.86 -33.26 66.20 261.84 81.62 7 55 6 1984.9 -34.06 57.05
 110.00 0 56 54 3806.87 3.21 140.79 247.51 55.95 2 0 21 3206.9 -1.28 134.59

DIFFERENTIAL CORRECTIONS
 TOE 2.9942 TRA 3.6591 TC3-2.5540 BAU 1.1822 SGT 5740.5 SGR 413.7 SG3 142.3 ST 3146.1 SR 402.1 S5 727.7
 RDE .4122 RRA -.0757 RC3 .0494 FAU .01380 RRT .2849 RRF .2694 RTF .9492 CRT .9023 CRS -.8570 CST -.9952
 FDE .8178 FRA 1.2894 FC3 -.3452 B9P 18771 SGB 5755.4 R23 -.0024 R13 .9492 LSA 3248.7 MSA 186.7 SSA 14.2
 BDE 3.0224 BRA 3.6599 BC3 2.5544 FSP -487 SG1 5741.7 SG2 396.4 THA 1.18 EL1 3167.0 EL2 172.2 ALF 6.60

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.272 GAL 8.65 AZL 86.59 HCA 291.08 SMA 119.44 ECC .27568 INC 3.4094 V1 30.236
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.504 GAP 15.16 ATP 88.77 TAL 155.58 TAP 86.66 RCA 86.51 APO 152.37 V2 34.889
 RC 191.216 GL 14.44 GP .16 ZAL 47.63 ZAP 177.96 ETS 5.72 ZAE 129.44 ETE 180.11 ZAC 102.95 ETC 166.65 CLP-177.96

PLANETOCENTRIC CONIC
 C3 38.380 VHL 6.195 DLA 24.85 RAL 22.16 RAD 6568.5 VEL 12.639 PTH 2.29 VHP 9.746 DPA .77 RAP 9.29 ECC 1.6316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 1 3291.93 -24.70 117.11 264.32 75.69 4 41 53 2691.9 -26.42 108.87
 90.00 23 37 47 4103.95 -3.06 166.62 255.73 61.84 24 46 11 3503.9 -6.80 159.94
 100.00 5 30 39 2957.82 -27.22 93.21 265.00 77.15 6 19 56 2357.8 -28.72 84.73
 100.00 0 40 46 3913.29 -.78 151.35 254.46 60.12 1 45 59 3313.3 -4.76 144.81
 110.00 7 21 29 2611.04 -32.98 68.19 266.32 80.47 8 5 0 2011.0 -33.95 59.08
 110.00 1 6 25 3832.84 4.20 142.15 251.36 56.04 2 10 18 3232.8 -.29 135.94

DIFFERENTIAL CORRECTIONS
 TOE 3.0754 TRA 4.0308 TC3-2.2810 BAU 1.1706 SGT 5740.5 SGR 411.5 SG3 137.6 ST 3100.9 SR 404.1 S5 717.9
 RDE .4365 RRA -.0628 RC3 .0384 FAU .01236 RRT .3178 RRF .3028 RTF .9520 CRT .8972 CRS -.8537 CST -.9957
 FDE .8089 FRA 1.3367 FC3 -.2789 B9P 18850 SGB 5755.2 R23 -.0013 R13 .9520 LSA 3202.9 MSA 189.8 SSA 13.6
 BDE 3.1062 BRA 4.0311 BC3 2.2813 FSP -472 SG1 5742.0 SG2 390.0 THA 1.31 EL1 3122.1 EL2 177.3 ALF 6.69

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.234 GAL 9.55 AZL 86.59 HCA 294.26 SMA 119.23 ECC .28569 INC 3.4121 V1 30.236
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.488 GAP 15.81 ATP 88.60 TAL 154.06 TAP 88.31 RCA 85.16 APO 153.29 V2 34.900
 RC 193.113 GL 13.62 GP .15 ZAL 45.60 ZAP 178.82 ETS 8.92 ZAE 129.41 ETE 180.14 ZAC 105.20 ETC 166.63 CLP-178.83

PLANETOCENTRIC CONIC
 C3 42.752 VHL 6.538 DLA 24.80 RAL 24.43 RAD 6568.6 VEL 12.811 PTH 2.33 VHP 10.148 DPA 1.72 RAP 11.41 ECC 1.7036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 52 3316.42 -24.27 118.78 268.56 74.95 4 52 8 2716.4 -26.11 110.59
 90.00 23 46 2 4133.93 -2.09 168.30 259.60 61.75 24 54 56 3533.9 -5.85 161.63
 100.00 5 40 20 2982.80 -26.83 94.96 269.29 76.31 6 30 3 2382.8 -28.45 86.53
 100.00 0 49 10 3942.78 .22 152.97 258.31 60.11 1 54 53 3342.8 -3.76 146.44
 110.00 7 30 59 2636.65 -32.68 70.13 270.74 79.36 8 14 55 2036.6 -33.80 61.07
 110.00 1 15 1 3861.69 5.30 143.67 255.15 56.18 2 19 23 3261.7 .82 137.45

DIFFERENTIAL CORRECTIONS
 TOE 3.1594 TRA 4.4279 TC3-2.0194 BAU 1.1543 SGT 5736.7 SGR 408.6 SG3 133.0 ST 3052.1 SR 404.5 S5 709.6
 RDE .4613 RRA -.0475 RC3 .0291 FAU .01095 RRT .3508 RRF .3362 RTF .9549 CRT .8922 CRS -.8507 CST -.9962
 FDE .8018 FRA 1.3869 FC3 -.2218 B9P 18908 SGB 5751.2 R23 -.0003 R13 .9549 LSA 3153.6 MSA 192.2 SSA 13.1
 BDE 3.1929 BRA 4.4282 BC3 2.0196 FSP -457 SG1 5738.5 SG2 382.5 THA 1.44 EL1 3073.5 EL2 181.4 ALF 6.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.197 GAL 10.51 AZL 86.59 HCA 297.44 SMA 119.02 ECC .29675 INC 3.4148 V1 30.236
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.472 GAP 16.53 ATP 88.42 TAL 152.57 TAP 90.01 RCA 83.70 APO 154.34 V2 34.912
 RC 194.989 GL 12.81 GP .15 ZAL 43.67 ZAP 179.67 ETS 28.91 ZAE 129.35 ETE 180.17 ZAC 107.42 ETC 166.57 CLP-179.71

PLANETOCENTRIC CONIC
 C3 47.847 VHL 6.917 DLA 24.71 RAL 26.59 RAD 6568.8 VEL 13.008 PTH 2.37 VHP 10.587 DPA 2.67 RAP 13.51 ECC 1.7874
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 1 3339.27 -23.86 120.33 272.75 74.28 5 2 41 2739.3 -25.79 112.19
 90.00 23 53 3 4167.64 -1.01 170.18 263.38 61.70 25 2 30 3567.6 -4.78 163.53
 100.00 5 50 12 3006.60 -26.44 96.62 273.52 75.52 6 40 19 2406.6 -28.17 88.25
 100.00 0 56 29 3975.54 1.33 154.77 262.08 60.13 2 2 44 3375.5 -2.66 148.24
 110.00 7 40 27 2661.70 -32.35 72.01 275.10 78.29 8 24 48 2061.7 -33.62 63.00
 110.00 1 22 44 3893.21 6.49 145.33 258.88 56.36 2 27 37 3293.2 2.02 139.09

DIFFERENTIAL CORRECTIONS
 TOE 3.2509 TRA 4.8560 TC3-1.7686 BAU 1.1314 SGT 5730.9 SGR 405.2 SG3 128.8 ST 3003.5 SR 403.3 S5 703.8
 RDE .4868 RRA -.0298 RC3 .0215 FAU .00952 RRT .3844 RRF .3703 RTF .9580 CRT .8874 CRS -.8481 CST -.9967
 FDE .7975 FRA 1.4415 FC3 -.1722 B9P 18874 SGB 5745.2 R23 .0005 R13 .9580 LSA 3105.0 MSA 193.9 SSA 12.5
 BDE 3.2871 BRA 4.8561 BC3 1.7687 FSP -440 SG1 5733.0 SG2 374.0 THA 1.56 EL1 3024.8 EL2 184.6 ALF 6.82

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 8 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 2 1966

DISTANCE 594.424

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.161 GAL 11.55 AZL 86.58 HCA 300.63 SMA 118.82 ECC .30899 INC 3.4177 V1 30.236
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.458 GAP 17.32 AZP 88.26 TAL 151.14 TAP 91.77 RCA 82.11 APO 155.53 V2 34.924
 RC 196.842 GL 12.02 GP .15 ZAL 41.86 ZAP 179.37 ETS 168.02 ZAE 129.27 ETE 180.20 ZAC 109.63 ETC 166.49 CLP 179.39

PLANETOCENTRIC CONIC
 C3 53.808 VHL 7.335 DLA 24.58 RAL 28.62 RAD 6568.9 VEL 13.235 PTH 2.42 VHP 11.069 DPA 3.61 RAP 15.59 ECC 1.8855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 25 3360.62 -23.46 121.77 276.88 73.67 5 13 26 2760.6 -25.48 113.68
 90.00 0 2 49 4204.73 .19 172.24 267.06 61.68 1 12 54 3604.7 -3.60 165.01
 100.00 6 0 11 3029.30 -26.04 98.19 277.69 74.78 6 50 40 2429.3 -27.88 89.87
 100.00 1 2 44 4011.28 2.54 156.73 265.76 60.21 2 9 36 3411.3 -1.45 150.21
 110.00 7 49 51 2686.20 -31.99 73.83 279.38 77.27 8 34 37 2086.2 -33.41 64.89
 110.00 1 29 34 3927.15 7.76 147.13 262.53 56.61 2 35 1 3327.2 3.32 140.86

MID-COURSE EXECUTION ACCURACY
 SGT 5718.1 SGR 401.1 SG3 124.6 ST 2949.2 SR 400.4 SS 698.8
 RRT .4175 RRF .4037 RTF .9613 CRT .8826 CRS -.8456 CST -.9971
 SGB 5732.2 R23 .0008 R13 .9613 LSA 3051.0 MSA 194.8 SSA 12.0
 SGI 5720.6 SG2 364.3 TMA 1.68 EL1 2970.4 EL2 186.9 ALF 6.86

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TOE 3.3435 TRA 5.3110 TC3-1.5344 BAU 1.1038
 ROE .5126 RRA -.0095 RC3 .0154 FAU .00816
 FDE .7940 FRA 1.4988 FC3 -.1313 BSP 18898
 BOE 3.3826 BRA 5.3110 BC3 1.5345 FSP -426

LAUNCH DATE DEC 8 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 4 1966

DISTANCE 598.855

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.125 GAL 12.69 AZL 86.58 HCA 303.81 SMA 118.62 ECC .32257 INC 3.4208 V1 30.236
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.444 GAP 18.19 AZP 88.09 TAL 149.78 TAP 93.59 RCA 80.36 APO 156.89 V2 34.936
 RC 198.673 GL 11.25 GP .15 ZAL 40.15 ZAP 178.45 ETS 176.39 ZAE 129.15 ETE 180.23 ZAC 111.81 ETC 166.37 CLP 178.46

PLANETOCENTRIC CONIC
 C3 60.813 VHL 7.798 DLA 24.41 RAL 30.53 RAD 6569.1 VEL 13.497 PTH 2.47 VHP 11.602 DPA 4.53 RAP 17.66 ECC 2.0008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 27 57 3380.57 -23.07 123.10 280.94 73.11 5 24 17 2780.6 -25.17 115.06
 90.00 0 7 32 4244.80 1.48 174.48 270.65 61.72 1 18 17 3644.8 -2.31 167.85
 100.00 6 10 11 3050.93 -25.65 99.68 281.77 74.09 7 1 2 2450.9 -27.58 91.41
 100.00 1 7 59 4049.67 3.83 158.84 269.35 60.33 2 15 29 3449.7 -.14 152.31
 110.00 7 59 8 2710.09 -31.62 75.59 283.57 76.29 8 44 18 2110.1 -33.18 66.71
 110.00 1 35 32 3963.28 9.11 149.06 266.11 56.91 2 41 35 3363.3 4.69 142.76

MID-COURSE EXECUTION ACCURACY
 SGT 5701.5 SGR 396.4 SG3 120.6 ST 2893.4 SR 395.9 SS 696.0
 RRT .4506 RRF .4373 RTF .9647 CRT .8781 CRS -.8435 CST -.9975
 SGB 5715.3 R23 .0010 R13 .9647 LSA 2995.8 MSA 194.9 SSA 11.5
 SGI 5704.3 SG2 353.7 TMA 1.80 EL1 2914.3 EL2 188.1 ALF 6.88

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TOE 3.4422 TRA 5.8010 TC3-1.3149 BAU 1.0690
 ROE .5388 RRA .0136 RC3 .0106 FAU .00680
 FDE .7929 FRA 1.5608 FC3 -.0968 BSP 18930
 BOE 3.4841 BRA 5.8010 BC3 1.3149 FSP -413

LAUNCH DATE DEC 8 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 6 1966

DISTANCE 603.034

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.091 GAL 13.92 AZL 86.58 HCA 307.00 SMA 118.43 ECC .33770 INC 3.4242 V1 30.236
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.431 GAP 19.16 AZP 87.94 TAL 148.50 TAP 95.50 RCA 78.44 APO 158.43 V2 34.948
 RC 200.481 GL 10.49 GP .14 ZAL 38.56 ZAP 177.49 ETS 178.63 ZAE 129.00 ETE 180.26 ZAC 113.95 ETC 166.23 CLP 177.49

PLANETOCENTRIC CONIC
 C3 69.091 VHL 8.312 DLA 24.19 RAL 32.32 RAD 6569.3 VEL 13.800 PTH 2.52 VHP 12.192 DPA 5.43 RAP 19.70 ECC 2.1371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 32 3399.18 -22.70 124.34 284.91 72.60 5 35 11 2799.2 -24.87 116.34
 90.00 0 11 12 4287.47 2.86 176.86 274.13 61.82 1 22 39 3687.5 -.93 170.23
 100.00 6 20 10 3071.48 -25.26 101.08 285.76 73.45 7 11 22 2471.5 -27.28 92.87
 100.00 1 12 14 4090.41 5.20 161.09 272.83 60.52 2 20 25 3490.4 1.24 154.55
 110.00 8 8 15 2733.31 -31.24 77.29 287.65 75.35 8 53 49 2133.3 -32.93 68.48
 110.00 1 40 38 4001.34 10.52 151.11 269.60 57.29 2 47 20 3401.3 6.13 144.76

MID-COURSE EXECUTION ACCURACY
 SGT 5681.1 SGR 391.0 SG3 116.8 ST 2837.5 SR 389.8 SS 695.9
 RRT .4838 RRF .4709 RTF .9682 CRT .8739 CRS -.8418 CST -.9979
 SGB 5694.5 R23 .0009 R13 .9682 LSA 2941.1 MSA 194.1 SSA 10.9
 SGI 5684.2 SG2 342.0 TMA 1.91 EL1 2858.0 EL2 188.2 ALF 6.88

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TOE 3.5503 TRA 6.3301 TC3-1.1098 BAU 1.0251
 ROE .5654 RRA .0396 RC3 .0072 FAU .00541
 FDE .7946 FRA 1.6286 FC3 -.0677 BSP 18943
 BOE 3.5950 BRA 6.3302 BC3 1.1098 FSP -400

LAUNCH DATE DEC 8 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 8 1966

DISTANCE 606.905

HELIOCENTRIC CONIC
 RL 147.35 LAL .00 LOL 75.70 VL 26.058 GAL 15.27 AZL 86.57 HCA 310.20 SMA 118.25 ECC .35461 INC 3.4278 V1 30.236
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.420 GAP 20.24 AZP 87.79 TAL 147.30 TAP 97.50 RCA 76.32 APO 160.18 V2 34.961
 RC 202.264 GL 9.74 GP .14 ZAL 37.09 ZAP 176.48 ETS 179.71 ZAE 128.81 ETE 180.29 ZAC 116.05 ETC 166.05 CLP 177.48

PLANETOCENTRIC CONIC
 C3 78.930 VHL 8.884 DLA 23.94 RAL 33.97 RAD 6569.5 VEL 14.152 PTH 2.58 VHP 12.851 DPA 6.31 RAP 21.71 ECC 2.2990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 49 5 3416.46 -22.34 125.48 288.76 72.14 5 46 1 2816.5 -24.58 117.52
 90.00 0 13 49 4332.38 4.30 179.38 277.49 61.98 1 26 2 3732.4 .52 172.74
 100.00 6 30 3 3090.89 -24.87 102.40 289.64 72.86 7 21 34 2490.9 -26.98 94.23
 100.00 1 15 32 4133.18 6.63 163.46 276.21 60.79 2 24 25 3533.2 2.69 156.90
 110.00 8 17 11 2755.75 -30.84 78.92 291.61 74.46 9 3 6 2155.7 -32.66 70.17
 110.00 1 44 54 4041.09 11.97 153.27 272.99 57.74 2 52 15 3441.1 7.63 146.87

MID-COURSE EXECUTION ACCURACY
 SGT 5659.0 SGR 385.3 SG3 113.3 ST 2783.9 SR 382.4 SS 699.2
 RRT .5172 RRF .5049 RTF .9717 CRT .8702 CRS -.8409 CST -.9983
 SGB 5672.1 R23 .0008 R13 .9717 LSA 2889.3 MSA 192.1 SSA 10.4
 SGI 5662.5 SG2 329.5 TMA 2.02 EL1 2803.8 EL2 187.1 ALF 6.85

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TOE 3.6725 TRA 6.9073 TC3 -.9175 BAU .9682
 ROE .5925 RRA .0689 RC3 .0050 FAU .00392
 FDE .8003 FRA 1.7043 FC3 -.0430 BSP 18841
 BOE 3.7200 BRA 6.9077 BC3 .9175 FSP -385

LAUNCH DATE DEC 8 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 610.390

RL 147.35 LAL .00 LOL 75.70 VL 26.025 GAL 16.76 AZL 86.57 HCA 313.39 SMA 118.07 ECC .37359 INC 3.4318 V1 30.236
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.409 GAP 21.45 AZP 87.64 TAL 146.23 TAP 99.62 RCA 73.96 APO 162.18 V2 34.974
 RC 204.023 GL 9.01 GP .14 ZAL 35.75 ZAP 175.42 ETS 180.37 ZAE 128.56 ETE 180.32 ZAC 118.10 ETC 165.84 CLP 175.42

PLANETOCENTRIC CONIC

C3 90.708 VHL 9.524 DLA 23.66 RAL 35.48 RAD 6569.8 VEL 14.562 PTH 2.64 VHP 13.589 DPA 7.16 RAP 23.67 ECC 2.4928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 31 3432.34 -22.01 126.52 292.49 71.72 5 56 44 2832.3 -24.30 118.60
 90.00 0 15 26 4379.17 5.79 182.01 280.72 62.23 1 28 25 3779.2 2.03 175.35
 100.00 6 39 48 3109.05 -24.50 103.62 293.37 72.32 7 31 37 2509.0 -26.69 95.50
 100.00 1 17 51 4177.70 8.10 165.95 279.46 61.13 2 27 29 3577.7 4.19 159.35
 110.00 8 25 51 2777.23 -30.44 80.46 295.42 73.63 9 12 8 2177.2 -32.38 71.78
 110.00 1 48 17 4082.28 13.46 155.53 276.28 58.28 2 56 19 3482.3 9.17 149.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.8035 TRA 7.5300 TC3 -.7427 BAU .9007 SGT 5629.9 SGR 378.9 SG3 109.8 ST 2727.4 SR 373.4 SS 704.8
 RDE .6198 RRA .1015 RC3 .0036 FAU .00240 RRT .5500 RRF .5384 RTF .9752 CRT .8669 CRS -.8402 CST -.9986
 FDE .8082 FRA 1.7868 FC3 -.0229 BSP 18847 SGB 5642.7 R23 .0003 R13 .9752 LSA 2835.3 MSA 189.2 SSA 9.9
 BDE 3.8537 BRA 7.5307 BC3 .7427 FSP -374 SGI 5633.8 SG2 316.2 TMA 2.13 EL1 2746.6 EL2 184.9 ALF 6.80

LAUNCH DATE DEC 8 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 613.393

RL 147.35 LAL .00 LOL 75.70 VL 25.995 GAL 18.42 AZL 86.56 HCA 316.59 SMA 117.90 ECC .39496 INC 3.4363 V1 30.236
 RP 108.31 LAP -2.36 LOP 32.33 VP 36.400 GAP 22.82 AZP 87.50 TAL 145.29 TAP 101.88 RCA 71.34 APO 164.47 V2 34.987
 RC 205.757 GL 8.30 GP .14 ZAL 34.54 ZAP 174.29 ETS 180.83 ZAE 128.25 ETE 180.35 ZAC 120.08 ETC 165.61 CLP 174.29

PLANETOCENTRIC CONIC

C3 104.914 VHL 10.243 DLA 23.33 RAL 36.84 RAD 6570.0 VEL 15.042 PTH 2.71 VHP 14.421 DPA 7.98 RAP 25.59 ECC 2.7266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 48 3446.67 -21.70 127.46 296.06 71.35 6 7 14 2846.7 -24.05 119.57
 90.00 0 16 2 4427.55 7.32 184.74 283.80 62.57 1 29 49 3827.5 3.58 178.05
 100.00 6 49 19 3125.77 -24.15 104.74 296.95 71.83 7 41 25 2525.8 -26.41 96.66
 100.00 1 19 11 4223.68 9.60 168.54 282.58 61.56 2 29 35 3623.7 5.73 161.89
 110.00 8 34 14 2797.53 -30.04 81.91 299.05 72.86 9 20 52 2197.5 -32.09 73.30
 110.00 1 50 45 4124.69 14.96 157.90 279.44 58.90 2 59 30 3524.7 10.73 151.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.9512 TRA 8.2106 TC3 -.5820 BAU .8163 SGT 5596.9 SGR 372.0 SG3 106.6 ST 2671.7 SR 363.2 SS 714.1
 RDE .6477 RRA .1378 RC3 .0032 FAU .00075 RRT .5826 RRF .5716 RTF .9786 CRT .8642 CRS -.8402 CST -.9989
 FDE .8202 FRA 1.8792 FC3 -.0062 BSP 18830 SGB 5609.3 R23 -.0002 R13 .9786 LSA 2783.1 MSA 185.2 SSA 9.4
 BDE 4.0039 BRA 8.2118 BC3 .5820 FSP -363 SGI 5601.1 SG2 302.1 TMA 2.22 EL1 2690.2 EL2 181.5 ALF 6.73

LAUNCH DATE DEC 8 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 615.783

RL 147.35 LAL .00 LOL 75.70 VL 25.965 GAL 20.27 AZL 86.56 HCA 319.79 SMA 117.74 ECC .41912 INC 3.4414 V1 30.236
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.391 GAP 24.37 AZP 87.37 TAL 144.52 TAP 104.31 RCA 68.39 APO 167.09 V2 35.000
 RC 207.465 GL 7.60 GP .14 ZAL 33.49 ZAP 173.08 ETS 181.17 ZAE 127.85 ETE 180.38 ZAC 121.99 ETC 165.35 CLP 173.08

PLANETOCENTRIC CONIC

C3 122.196 VHL 11.054 DLA 22.97 RAL 38.04 RAD 6570.3 VEL 15.605 PTH 2.78 VHP 15.366 DPA 8.76 RAP 27.44 ECC 3.0110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 50 3459.23 -21.42 128.28 299.45 71.03 6 17 29 2859.2 -23.82 120.42
 90.00 0 15 34 4477.23 8.86 187.57 286.73 63.00 1 30 11 3877.2 5.17 180.84
 100.00 6 58 35 3140.81 -23.83 105.74 300.34 71.40 7 50 56 2540.8 -26.15 97.71
 100.00 1 19 30 4270.89 11.12 171.22 285.54 62.07 2 30 41 3670.9 7.50 164.51
 110.00 8 42 17 2816.38 -29.65 83.24 302.48 72.16 9 29 14 2216.4 -31.80 74.69
 110.00 1 52 17 4168.08 16.47 160.35 282.46 59.62 3 1 45 3568.1 12.32 153.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.1202 TRA 8.9575 TC3 -.4351 BAU .7108 SGT 5560.0 SGR 364.7 SG3 103.5 ST 2617.3 SR 351.8 SS 727.8
 RDE .6763 RRA .1781 RC3 .0035 FAU-.0011 RRT .6149 RRF .6047 RTF .9819 CRT .8624 CRS -.8410 CST -.9991
 FDE .8373 FRA 1.9833 FC3 .0079 BSP 18786 SGB 5571.9 R23 -.0008 R13 .9819 LSA 2733.3 MSA 180.2 SSA 8.8
 BDE 4.1754 BRA 8.9593 BC3 .4351 FSP -352 SGI 5564.5 SG2 287.3 TMA 2.32 EL1 2634.9 EL2 176.9 ALF 6.64

LAUNCH DATE DEC 8 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 617.390

RL 147.35 LAL .00 LOL 75.70 VL 25.938 GAL 22.35 AZL 86.55 HCA 322.99 SMA 117.60 ECC .44656 INC 3.4471 V1 30.236
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.385 GAP 26.15 AZP 87.25 TAL 143.96 TAP 106.94 RCA 65.08 APO 170.11 V2 35.014
 RC 209.146 GL 6.92 GP .13 ZAL 32.60 ZAP 171.77 ETS 181.44 ZAE 127.35 ETE 180.41 ZAC 123.80 ETC 165.07 CLP 171.77

PLANETOCENTRIC CONIC

C3 143.421 VHL 11.976 DLA 22.56 RAL 39.06 RAD 6570.6 VEL 16.271 PTH 2.85 VHP 16.445 DPA 9.49 RAP 29.21 ECC 3.3603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 34 3469.70 -21.19 128.96 302.62 70.76 6 27 24 2869.7 -23.62 121.13
 90.00 0 13 59 4527.99 10.42 190.49 289.46 63.52 1 29 27 3928.0 6.78 183.70
 100.00 7 7 32 3153.83 -23.54 106.60 303.90 71.03 8 0 6 2553.8 -25.92 98.60
 100.00 1 18 42 4319.10 12.64 173.99 288.31 62.69 2 30 41 3719.1 8.88 167.22
 110.00 8 49 57 2833.43 -29.29 84.44 305.67 71.53 9 37 10 2233.4 -31.53 75.95
 110.00 1 52 47 4212.26 17.98 162.90 285.31 60.42 3 2 59 3612.3 13.90 156.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.3181 TRA 9.7840 TC3 -.3008 BAU .5768 SGT 5520.9 SGR 357.0 SG3 100.7 ST 2565.3 SR 339.5 SS 747.0
 RDE .7058 RRA .2228 RC3 .0044 FAU-.00350 RRT .6469 RRF .6376 RTF .9850 CRT .8616 CRS -.8427 CST -.9993
 FDE .8609 FRA 2.1023 FC3 .0199 BSP 18632 SGB 5532.4 R23 -.0015 R13 .9849 LSA 2687.7 MSA 174.0 SSA 8.3
 BDE 4.3754 BRA 9.7866 BC3 .3008 FSP -340 SGI 5525.7 SG2 272.0 TMA 2.40 EL1 2582.0 EL2 171.2 ALF 6.53

LAUNCH DATE DEC 9 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 17 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 27.192 GAL -8.47 AZL 86.60 MCA 84.42 SMA 124.95 ECC .23040 INC 3.3961 V1 30.240
 RP 107.57 LAP 3.38 LOP 161.12 VP 37.487 GAP -10.69 AZP 89.67 TAL 211.26 TAP 295.68 RCA 96.16 APO 153.73 V2 35.227
 RC 50.208 GL 17.40 GP .10 ZAL 135.32 ZAP 12.81 ETS 358.51 ZAE 148.29 ETE 340.78 ZAC 63.79 ETC 163.10 CLP -12.81

PLANETOCENTRIC CONIC
 C3 28.386 VHL 5.328 DLA -3.39 RAL 297.18 RAD 6568.1 VEL 12.238 PTH 2.20 VMP 7.254 DPA -15.00 RAP 331.58 ECC 1.4672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 36 2194.78 -19.08 40.23 163.43 111.33 3 2 11 1594.8 -16.02 32.90
 90.00 13 33 17 5049.21 23.69 222.88 165.39 74.02 14 57 26 4449.2 21.27 215.05
 100.00 3 45 22 1937.49 -20.22 20.83 162.95 112.49 4 17 39 1337.5 -17.00 13.52
 100.00 14 56 12 4781.73 24.87 202.83 165.00 72.86 16 15 54 4161.7 22.29 194.98
 110.00 4 49 59 1735.23 -23.27 4.00 161.48 115.77 5 18 54 1135.2 -19.61 356.77
 110.00 16 8 5 4556.76 28.03 184.55 163.80 69.59 17 24 2 3956.8 25.00 176.69

DIFFERENTIAL CORRECTIONS
 TDE -.2157 TRA -.3479 TC3 .4509 BAU .1784 SGT 652.1 SGR 398.3 SG3 132.8 ST 258.2 SR 367.7 SS 297.0
 RDE -.3415 RRA .0571 RC3 -.1327 FAU .04370 RRT -.0223 RRF .0159 RTF -.6503 CRT .8748 CRS .9779 CST .7744
 FDE .4268 FRA -.3398 FC3-1.3328 BSP 1778 SGB 764.1 R23 .0072 R13 .6502 LSA 521.3 MSA 133.1 SSA 24.6
 BDE .4039 BRA .3526 BC3 .4700 FSP -342 SG1 652.2 SG2 398.1 THA 178.76 EL1 436.8 EL2 105.3 ALF 56.21

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 27.351 GAL -8.43 AZL 86.60 MCA 87.66 SMA 125.98 ECC .22276 INC 3.3950 V1 30.240
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.596 GAP -9.80 AZP 89.86 TAL 212.74 TAP 300.40 RCA 97.91 APO 154.04 V2 35.220
 RC 51.850 GL 17.82 GP .11 ZAL 136.47 ZAP 15.64 ETS 358.59 ZAE 148.13 ETE 341.29 ZAC 64.19 ETC 163.18 CLP -15.64

PLANETOCENTRIC CONIC
 C3 27.412 VHL 5.238 DLA -3.23 RAL 295.76 RAD 6568.1 VEL 12.198 PTH 2.19 VMP 6.778 DPA -14.86 RAP 331.97 ECC 1.4511
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 46 2191.03 -18.99 40.00 161.47 111.41 2 55 17 1591.0 -15.91 32.67
 90.00 13 28 49 5035.57 23.43 221.97 163.29 73.63 14 52 45 4435.6 20.97 214.16
 100.00 3 38 36 1933.51 -20.12 20.57 160.98 112.59 4 10 50 1333.5 -16.88 13.28
 100.00 14 51 40 4768.33 24.60 201.92 162.91 72.46 16 11 8 4168.3 21.96 194.12
 110.00 4 43 23 1730.70 -23.14 3.72 159.52 115.89 5 12 14 1130.7 -19.47 356.51
 110.00 16 3 23 4543.90 27.73 183.67 161.69 69.15 17 19 6 3943.9 24.64 175.86

DIFFERENTIAL CORRECTIONS
 TDE -.2170 TRA -.3302 TC3 .4790 BAU .1826 SGT 662.6 SGR 397.5 SG3 151.2 ST 261.6 SR 366.7 SS 320.8
 RDE -.3347 RRA .0522 RC3 -.1370 FAU .04848 RRT -.0217 RRF .0150 RTF -.6584 CRT .8868 CRS .9734 CST .7756
 FDE .4824 FRA -.4195 FC3-1.5311 BSP 1818 SGB 772.6 R23 .0073 R13 .6583 LSA 535.4 MSA 136.0 SSA 25.1
 BDE .3989 BRA .3343 BC3 .4982 FSP -397 SG1 662.6 SG2 397.4 THA 178.84 EL1 438.9 EL2 101.0 ALF 55.61

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 27.493 GAL -8.41 AZL 86.61 MCA 90.90 SMA 126.91 ECC .21614 INC 3.3939 V1 30.240
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.691 GAP -8.94 AZP 90.05 TAL 214.16 TAP 305.06 RCA 99.48 APO 154.34 V2 35.212
 RC 53.572 GL 18.19 GP .11 ZAL 137.51 ZAP 18.61 ETS 358.64 ZAE 148.25 ETE 341.67 ZAC 64.44 ETC 163.24 CLP -18.61

PLANETOCENTRIC CONIC
 C3 26.607 VHL 5.158 DLA -3.09 RAL 294.46 RAD 6568.1 VEL 12.165 PTH 2.18 VMP 6.332 DPA -14.76 RAP 332.24 ECC 1.4379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 32 2187.98 -18.91 39.80 159.70 111.47 2 49 0 1588.0 -15.83 32.48
 90.00 13 24 40 5023.81 23.20 221.18 161.42 73.30 14 48 23 4423.8 20.70 213.41
 100.00 3 32 26 1930.23 -20.03 20.37 159.22 112.66 4 4 36 1330.2 -16.79 13.08
 100.00 14 47 27 4756.79 24.36 201.15 161.02 72.11 16 6 44 4156.8 21.68 193.37
 110.00 4 37 22 1726.96 -23.03 3.49 157.76 115.99 5 6 9 1127.0 -19.34 356.29
 110.00 15 59 0 4532.83 27.45 182.93 159.80 68.79 17 14 33 3932.8 24.32 175.16

DIFFERENTIAL CORRECTIONS
 TDE -.2173 TRA -.3143 TC3 .5014 BAU .1892 SGT 669.3 SGR 395.7 SG3 172.2 ST 263.7 SR 364.8 SS 346.0
 RDE -.3281 RRA .0479 RC3 -.1404 FAU .05396 RRT -.0211 RRF .0141 RTF -.6631 CRT .8965 CRS .9689 CST .7760
 FDE .5461 FRA -.5110 FC3-1.7558 BSP 1844 SGB 777.6 R23 .0074 R13 .6631 LSA 549.7 MSA 139.7 SSA 25.3
 BDE .3935 BRA .3179 BC3 .5206 FSP -461 SG1 669.4 SG2 395.6 THA 178.90 EL1 439.5 EL2 96.9 ALF 55.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 27.617 GAL -8.39 AZL 86.61 MCA 94.14 SMA 127.75 ECC .21040 INC 3.3927 V1 30.240
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.775 GAP -8.13 AZP 90.25 TAL 215.49 TAP 309.63 RCA 100.87 APO 154.63 V2 35.204
 RC 55.368 GL 18.51 GP .12 ZAL 138.46 ZAP 21.74 ETS 358.68 ZAE 148.66 ETE 341.92 ZAC 64.55 ETC 163.26 CLP -21.74

PLANETOCENTRIC CONIC
 C3 25.938 VHL 5.093 DLA -2.97 RAL 293.27 RAD 6568.0 VEL 12.137 PTH 2.18 VMP 5.915 DPA -14.71 RAP 332.34 ECC 1.4269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 53 2185.52 -18.85 39.65 158.12 111.53 2 43 18 1585.5 -15.76 32.34
 90.00 13 20 52 5013.65 23.00 220.50 159.74 73.02 14 44 25 4413.7 20.46 212.75
 100.00 3 26 50 1927.59 -19.96 20.20 157.64 112.72 3 58 58 1327.6 -16.71 12.92
 100.00 14 43 35 4746.82 24.15 200.48 159.35 71.82 16 2 42 4146.8 21.44 192.73
 110.00 4 31 54 1723.89 -22.94 3.30 156.19 116.07 5 0 38 1123.9 -19.24 356.10
 110.00 15 55 1 4523.27 27.22 182.28 158.12 68.47 17 10 24 3923.3 24.05 174.55

DIFFERENTIAL CORRECTIONS
 TDE -.2149 TRA -.2994 TC3 .5191 BAU .1867 SGT 672.2 SGR 393.0 SG3 196.4 ST 262.6 SR 362.0 SS 372.3
 RDE -.3213 RRA .0440 RC3 -.1429 FAU .06027 RRT -.0236 RRF .0138 RTF -.6659 CRT .9034 CRS .9643 CST .7737
 FDE .6180 FRA -.6167 FC3-2.0117 BSP 1888 SGB 778.6 R23 .0101 R13 .6658 LSA 563.3 MSA 143.7 SSA 25.4
 BDE .3867 BRA .3026 BC3 .5384 FSP -538 SG1 672.3 SG2 392.9 THA 178.80 EL1 437.4 EL2 93.2 ALF 54.94

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 219.171

RL 147.33 LAL .00 LOL 76.71 VL 27.726 GAL -8.37 AZL 86.61 MCA 97.38 SMA 128.49 ECC .20546 INC 3.3916 V1 30.240
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.846 GAP -7.36 AZP 90.44 TAL 216.72 TAP 314.10 RCA 102.09 APO 154.89 V2 35.195
 RC 57.230 GL 18.79 GP .13 ZAL 139.30 ZAP 25.04 ETS 358.70 ZAE 149.38 ETE 342.02 ZAC 84.48 ETC 163.25 CLP -25.04

PLANETOCENTRIC CONIC

C3 25.377 VHL 5.038 OLA -2.86 RAL 292.21 RAD 6568.0 VEL 12.114 PTH 2.17 VHP 5.527 DPA -14.73 RAP 332.27 ECC 1.4176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 49 2183.58 -18.80 39.53 156.72 111.57 2 38 13 1583.6 -15.71 32.22
 90.00 13 17 28 5004.78 22.83 219.91 158.27 72.77 14 40 52 4404.8 20.25 212.18
 100.00 3 21 50 1925.48 -19.91 20.07 156.24 112.77 3 53 55 1325.5 -16.65 12.79
 100.00 14 40 8 4738.11 23.96 199.90 157.87 71.57 15 59 6 4138.1 21.22 192.18
 110.00 4 27 1 1721.42 -22.86 3.14 154.80 116.13 4 55 43 1121.4 -19.16 355.96
 110.00 15 51 26 4514.94 27.01 181.73 156.63 68.20 17 6 41 3914.9 23.81 174.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2124 TRA -.2893 TC3 .5263 BAU .1852 SGT 669.4 SGR 389.3 SCS 223.6 ST 261.5 SR 358.3 SS 400.9
 RDE -.3148 RRA .0407 RC3 -.1445 FAU .06737 RRT -.0230 RRF .0124 RTF -.6608 CRT .9076 CRS .9804 CST .7702
 FDE .7016 FRA -.7350 FC3 -2.2982 BSP 1872 SGB 774.4 R23 .0105 R13 .6607 LSA 578.6 MSA 148.6 SSA 25.3
 BDE .3797 BRA .2921 BC3 .5458 FSP -623 SGI 669.5 SGT 389.1 THA 178.84 ELI 434.2 EL2 90.6 ALF 54.72

LAUNCH DATE DEC 9 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 221.893

RL 147.33 LAL .00 LOL 76.71 VL 27.820 GAL -8.35 AZL 86.61 MCA 100.61 SMA 129.15 ECC .20121 INC 3.3904 V1 30.240
 RP 107.70 LAP 3.33 LOP 177.34 VP 37.907 GAP -6.62 AZP 90.63 TAL 217.84 TAP 318.46 RCA 103.16 APO 155.14 V2 35.186
 RC 59.152 GL 19.04 GP .15 ZAL 140.03 ZAP 28.54 ETS 358.71 ZAE 150.40 ETE 341.96 ZAC 64.22 ETC 163.21 CLP -28.54

PLANETOCENTRIC CONIC

C3 24.901 VHL 4.990 OLA -2.75 RAL 291.28 RAD 6568.0 VEL 12.095 PTH 2.16 VHP 5.167 DPA -14.80 RAP 332.01 ECC 1.4098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 19 2182.10 -18.77 39.44 155.49 111.60 2 33 42 1582.1 -15.67 32.13
 90.00 13 14 30 4998.93 22.67 219.39 156.97 72.56 14 37 47 4396.9 20.07 211.68
 100.00 3 17 23 1923.85 -19.87 19.97 155.02 112.81 3 49 27 1323.9 -16.60 12.69
 100.00 14 37 7 4730.41 23.80 199.39 156.57 71.35 15 55 58 4130.4 21.03 191.69
 110.00 4 22 41 1719.44 -22.80 3.02 153.58 116.18 4 51 20 1119.4 -19.10 355.84
 110.00 15 48 19 4507.59 26.82 181.24 155.33 67.97 17 3 26 3907.6 23.59 173.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2078 TRA -.2830 TC3 .5242 BAU .1811 SGT 660.7 SGR 384.5 SCS 254.4 ST 258.2 SR 353.7 SS 431.4
 RDE -.3079 RRA .0379 RC3 -.1452 FAU .07537 RRT -.0223 RRF .0105 RTF -.6488 CRT .9084 CRS .9571 CST .7632
 FDE .7973 FRA -.8675 FC3 -2.6204 BSP 1823 SGB 764.4 R23 .0114 R13 .6487 LSA 594.7 MSA 153.7 SSA 25.0
 BDE .3714 BRA .2855 BC3 .5440 FSP -718 SGI 660.8 SGT 384.3 THA 178.88 ELI 428.8 EL2 89.1 ALF 54.70

LAUNCH DATE DEC 9 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 228.588

RL 147.33 LAL .00 LOL 76.71 VL 27.902 GAL -8.33 AZL 86.61 MCA 103.85 SMA 129.72 ECC .19757 INC 3.3892 V1 30.240
 RP 107.73 LAP 3.29 LOP 180.58 VP 37.957 GAP -5.91 AZP 90.81 TAL 218.84 TAP 322.69 RCA 104.09 APO 155.35 V2 35.176
 RC 61.127 GL 19.26 GP .16 ZAL 140.65 ZAP 32.26 ETS 358.70 ZAE 151.75 ETE 341.71 ZAC 63.78 ETC 163.13 CLP -32.26

PLANETOCENTRIC CONIC

C3 24.492 VHL 4.949 OLA -2.66 RAL 290.48 RAD 6568.0 VEL 12.078 PTH 2.16 VHP 4.834 DPA -14.95 RAP 331.54 ECC 1.4031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 22 2181.02 -18.74 39.37 154.43 111.62 2 29 43 1581.0 -15.64 32.06
 90.00 13 11 58 4989.85 22.52 218.92 155.84 72.37 14 35 8 4389.9 19.90 211.23
 100.00 3 13 28 1922.62 -19.83 19.89 153.96 112.83 3 45 31 1322.6 -16.57 12.62
 100.00 14 34 35 4723.49 23.64 198.93 155.44 71.16 15 53 17 4123.5 20.85 191.25
 110.00 4 18 52 1717.89 -22.76 2.92 152.53 116.22 4 47 30 1117.9 -19.05 355.75
 110.00 15 45 38 4500.99 26.65 180.80 154.19 67.76 17 0 39 3901.0 23.40 173.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1990 TRA -.2797 TC3 .5138 BAU .1748 SGT 645.6 SGR 378.7 SCS 289.4 ST 250.5 SR 348.3 SS 462.2
 RDE -.3006 RRA .0356 RC3 -.1451 FAU .08446 RRT -.0254 RRF .0095 RTF -.6295 CRT .9044 CRS .9538 CST .7488
 FDE .9025 FRA -1.0180 FC3 -2.9857 BSP 1780 SGB 748.5 R23 .0148 R13 .6293 LSA 609.8 MSA 158.8 SSA 24.7
 BDE .3605 BRA .2820 BC3 .5339 FSP -833 SGI 645.7 SGT 378.5 THA 178.70 ELI 419.8 EL2 88.7 ALF 55.18

LAUNCH DATE DEC 9 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 235.253

RL 147.33 LAL .00 LOL 76.71 VL 27.971 GAL -8.31 AZL 86.61 MCA 107.08 SMA 130.22 ECC .19443 INC 3.3880 V1 30.240
 RP 107.76 LAP 3.24 LOP 183.82 VP 37.999 GAP -5.23 AZP 91.00 TAL 219.70 TAP 326.78 RCA 104.90 APO 155.53 V2 35.166
 RC 63.151 GL 19.45 GP .17 ZAL 141.17 ZAP 36.20 ETS 358.67 ZAE 153.42 ETE 341.22 ZAC 63.07 ETC 163.00 CLP -36.20

PLANETOCENTRIC CONIC

C3 24.133 VHL 4.912 OLA -2.56 RAL 289.77 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 4.530 DPA -15.17 RAP 330.84 ECC 1.3972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 55 2180.30 -18.72 39.32 153.52 111.64 2 26 15 1580.3 -15.62 32.02
 90.00 13 9 55 4983.32 22.39 218.49 154.86 72.19 14 32 58 4383.3 19.74 210.82
 100.00 3 10 4 1921.76 -19.81 19.84 153.05 112.85 3 42 6 1321.8 -16.54 12.57
 100.00 14 32 27 4717.10 23.50 198.51 154.46 70.98 15 51 4 4117.1 20.69 190.84
 110.00 4 15 34 1716.71 -22.72 2.85 151.62 116.25 4 44 11 1116.7 -19.01 355.68
 110.00 15 43 26 4494.91 26.49 180.40 153.21 67.57 16 58 21 3894.9 23.22 172.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1887 TRA -.2834 TC3 .4886 BAU .1643 SGT 623.2 SGR 371.9 SCS 327.8 ST 241.9 SR 341.9 SS 495.7
 RDE -.2829 RRA .0337 RC3 -.1441 FAU .09441 RRT -.0249 RRF .0064 RTF -.5938 CRT .8944 CRS .9516 CST .7279
 FDE 1.0230 FRA -1.1804 FC3 -3.3870 BSP 1660 SGB 725.8 R23 .0165 R13 .5936 LSA 627.4 MSA 164.1 SSA 24.2
 BDE .3485 BRA .2834 BC3 .5094 FSP -956 SGI 623.3 SGT 371.7 THA 178.68 ELI 408.9 EL2 90.4 ALF 55.76

LAUNCH DATE DEC 9 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 241.888
 RL 147.33 LAL .00 LOL 76.71 VL 28.029 GAL -8.29 AZL 86.61 MCA 110.31 SMA 130.63 ECC .19174 INC 3.3867 V1 30.240
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.031 GAP -4.59 AZP 91.18 TAL 220.44 TAP 330.75 RCA 105.59 APO 155.68 V2 35.155
 RC 65.219 GL 19.62 GP .19 ZAL 141.59 ZAP 40.38 ETS 358.63 ZAE 155.42 ETE 340.40 ZAC 62.15 ETC 162.82 CLP -40.38

PLANETOCENTRIC CONIC

C3 23.810 VHL 4.880 DLA -2.47 RAL 289.20 RAD 6568.0 VEL 12.049 PTH 2.15 VHP 4.253 DPA -15.47 RAP 329.90 ECC 1.3919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 57 2179.90 -18.71 39.30 152.74 111.65 2 23 17 1579.9 -15.61 32.00
 90.00 13 8 19 4977.14 22.26 218.09 154.03 72.03 14 31 17 4377.1 19.59 210.43
 100.00 3 7 8 1921.22 -19.80 19.81 152.28 112.87 3 39 9 1321.2 -16.53 12.54
 100.00 14 30 49 4711.06 23.37 198.11 153.63 70.81 15 49 20 4111.1 20.53 190.46
 110.00 4 12 44 1715.85 -22.69 2.80 150.85 116.28 4 41 20 1115.9 -18.98 355.63
 110.00 15 41 42 4489.18 26.35 180.02 152.37 67.39 16 56 31 3889.2 23.05 172.41

DIFFERENTIAL CORRECTIONS

TOE -.1748 TRA -.2932 TC3 .4501 BAU .1503
 RDE -.2848 RRA .0324 RC3 -.1422 FAU .10532
 FDE 1.1560 FRA-1.3557 FC3-3.8293 BSP 1497
 BOE .3342 BRA .2950 BC3 .4721 FSP -1093

MID-COURSE EXECUTION ACCURACY

SGT 594.8 SGR 364.1 SG3 370.1
 RRT -.0252 RRF .0026 RTF -.5382
 SGB 697.4 R23 .0191 R13 .5380
 SG1 595.0 SG2 363.9 TMA 178.59

ORBIT DETERMINATION ACCURACY

ST 230.2 SR 334.6 SS 530.4
 CRT .8751 CR5 .9501 CST .6943
 LSA 645.9 MSA 169.1 SSA 23.7
 EL1 395.1 EL2 94.4 ALF 56.81

LAUNCH DATE DEC 9 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 248.493
 RL 147.33 LAL .00 LOL 76.71 VL 28.077 GAL -8.26 AZL 86.61 MCA 113.54 SMA 130.98 ECC .18943 INC 3.3854 V1 30.240
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.056 GAP -3.97 AZP 91.35 TAL 221.04 TAP 334.58 RCA 106.17 APO 155.79 V2 35.143
 RC 67.327 GL 19.78 GP .20 ZAL 141.91 ZAP 44.81 ETS 358.58 ZAE 157.74 ETE 339.15 ZAC 60.99 ETC 162.58 CLP -44.81

PLANETOCENTRIC CONIC

C3 23.514 VHL 4.849 DLA -2.38 RAL 288.74 RAD 6568.0 VEL 12.037 PTH 2.15 VHP 4.004 DPA -15.85 RAP 328.71 ECC 1.3870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 25 2179.79 -18.71 39.29 152.10 111.65 2 20 44 1579.8 -15.61 31.99
 90.00 13 7 12 4971.14 22.13 217.69 153.33 71.87 14 30 3 4371.1 19.45 210.55
 100.00 3 4 39 1920.96 -19.79 19.79 151.63 112.87 3 36 40 1321.0 -16.52 12.52
 100.00 14 29 39 4705.19 23.24 197.73 152.92 70.65 15 48 4 4105.2 20.38 190.09
 110.00 4 10 21 1715.28 -22.68 2.76 150.22 116.29 4 38 56 1115.3 -18.96 355.60
 110.00 15 40 26 4483.64 26.20 179.65 151.67 67.22 16 55 10 3883.6 22.88 172.06

DIFFERENTIAL CORRECTIONS

TOE -.1556 TRA -.3084 TC3 .3988 BAU .1328
 RDE -.2762 RRA .0316 RC3 -.1395 FAU .11722
 FDE 1.2961 FRA-1.5455 FC3-4.3158 BSP 1312
 BOE .3170 BRA .3100 BC3 .4223 FSP -1249

MID-COURSE EXECUTION ACCURACY

SGT 562.5 SGR 355.3 SG3 416.2
 RRT -.0300 RRF -.0011 RTF -.4554
 SGB 665.3 R23 .0238 R13 .4550
 SG1 562.7 SG2 355.0 TMA 178.20

ORBIT DETERMINATION ACCURACY

ST 214.2 SR 326.6 SS 564.4
 CRT .8393 CR5 .9486 CST .6380
 LSA 663.7 MSA 173.5 SSA 23.2
 EL1 377.4 EL2 100.8 ALF 58.68

LAUNCH DATE DEC 9 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 255.065
 RL 147.33 LAL .00 LOL 76.71 VL 28.116 GAL -8.22 AZL 86.62 MCA 116.76 SMA 131.26 ECC .18745 INC 3.3841 V1 30.240
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.074 GAP -3.38 AZP 91.53 TAL 221.51 TAP 338.27 RCA 106.66 APO 155.87 V2 35.132
 RC 69.470 GL 19.92 GP .22 ZAL 142.14 ZAP 49.50 ETS 358.52 ZAE 160.37 ETE 337.25 ZAC 59.59 ETC 162.28 CLP -49.50

PLANETOCENTRIC CONIC

C3 23.235 VHL 4.820 DLA -2.28 RAL 288.39 RAD 6567.9 VEL 12.026 PTH 2.15 VHP 3.783 DPA -16.29 RAP 327.27 ECC 1.3824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 17 2179.96 -18.71 39.30 151.58 111.65 2 18 37 1580.0 -15.61 32.00
 90.00 13 6 33 4985.14 22.00 217.30 152.75 71.71 14 29 18 4365.1 19.30 209.67
 100.00 3 2 34 1920.98 -19.79 19.79 151.11 112.87 3 34 35 1321.0 -16.52 12.52
 100.00 14 28 57 4699.35 23.10 197.34 152.34 70.49 15 47 16 4099.3 20.23 189.73
 110.00 4 8 22 1714.97 -22.67 2.74 149.70 116.30 4 36 57 1115.0 -18.95 355.58
 110.00 15 39 38 4478.13 26.05 179.29 151.08 67.05 16 54 16 3878.1 22.72 171.72

DIFFERENTIAL CORRECTIONS

TOE -.1331 TRA -.3324 TC3 .3290 BAU .1106
 RDE -.2672 RRA .0314 RC3 -.1358 FAU .12957
 FDE 1.4488 FRA-1.7372 FC3-4.8277 BSP 1038
 BOE .2985 BRA .3339 BC3 .3560 FSP -1407

MID-COURSE EXECUTION ACCURACY

SGT 531.0 SGR 345.5 SG3 464.5
 RRT -.0330 RRF -.0079 RTF -.3264
 SGB 633.6 R23 .0265 R13 .3258
 SG1 531.3 SG2 345.2 TMA 177.87

ORBIT DETERMINATION ACCURACY

ST 198.0 SR 317.8 SS 600.0
 CRT .7769 CR5 .9485 CST .5511
 LSA 684.1 MSA 177.8 SSA 22.5
 EL1 357.6 EL2 110.8 ALF 61.14

LAUNCH DATE DEC 9 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 261.606
 RL 147.33 LAL .00 LOL 76.71 VL 28.146 GAL -8.18 AZL 86.62 MCA 119.99 SMA 131.48 ECC .18573 INC 3.3826 V1 30.240
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.085 GAP -2.82 AZP 91.69 TAL 221.84 TAP 341.83 RCA 107.06 APO 155.90 V2 35.120
 RC 71.645 GL 20.06 GP .24 ZAL 142.28 ZAP 54.42 ETS 358.44 ZAE 163.26 ETE 334.31 ZAC 57.95 ETC 161.92 CLP -54.42

PLANETOCENTRIC CONIC

C3 22.966 VHL 4.792 DLA -2.17 RAL 288.15 RAD 6567.9 VEL 12.014 PTH 2.14 VHP 3.590 DPA -16.80 RAP 325.58 ECC 1.3780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 31 2180.38 -18.72 39.33 151.17 111.64 2 16 51 1580.4 -15.62 32.03
 90.00 13 6 21 4959.02 21.87 218.90 152.27 71.55 14 29 0 4359.0 19.15 209.28
 100.00 3 0 51 1921.25 -19.80 19.81 150.70 112.87 3 32 52 1321.3 -16.53 12.54
 100.00 14 28 42 4693.39 22.97 196.95 151.86 70.32 15 46 56 4093.4 20.08 189.35
 110.00 4 6 46 1714.88 -22.67 2.74 149.29 116.30 4 35 21 1114.9 -18.95 355.57
 110.00 15 39 16 4472.52 25.90 178.92 150.60 66.88 16 53 49 3872.5 22.55 171.37

DIFFERENTIAL CORRECTIONS

TOE -.1058 TRA -.3640 TC3 .2422 BAU .0845
 RDE -.2576 RRA .0317 RC3 -.1310 FAU .14220
 FDE 1.6058 FRA-1.9283 FC3-5.3604 BSP 704
 BOE .2785 BRA .3654 BC3 .2753 FSP -1571

MID-COURSE EXECUTION ACCURACY

SGT 509.5 SGR 334.8 SG3 514.1
 RRT -.0392 RRF -.0169 RTF -.1420
 SGB 609.6 R23 .0267 R13 .1413
 SG1 509.8 SG2 334.3 TMA 177.41

ORBIT DETERMINATION ACCURACY

ST 182.0 SR 308.3 SS 634.9
 CRT .6676 CR5 .9489 CST .4122
 LSA 705.6 MSA 181.4 SSA 21.9
 EL1 335.7 EL2 124.4 ALF 64.78

LAUNCH DATE DEC 9 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 268.115

RL 147.33 LAL .00 LOL 76.71 VL 28.168 GAL -8.14 AZL 86.62 MCA 123.21 SMA 131.65 ECC .18425 INC 3.3810 V1 30.240
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.090 GAP -2.28 AZP 91.85 TAL 222.05 TAP 345.26 RCA 107.39 APO 155.90 V2 35.108
 RC 73.845 GL 20.19 GP .26 ZAL 142.33 ZAP 59.56 ETS 358.36 ZAE 166.34 ETE 329.58 ZAC 56.11 ETC 161.47 CLP -59.56

PLANETOCENTRIC CONIC

C3 22.700 VHL 4.764 DLA -2.06 RAL 288.00 RAD 6567.9 VEL 12.003 PTH 2.14 VHP 3.426 DPA -17.36 RAP 323.66 ECC 1.3736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 6 2181.07 -18.74 39.37 150.85 111.62 2 15 27 1581.1 -15.64 32.07
 90.00 13 6 37 4952.69 21.74 216.48 151.90 71.39 14 29 9 4352.7 18.99 208.88
 100.00 2 59 29 1921.76 -19.81 19.84 150.39 112.85 3 31 30 1321.8 -16.54 12.57
 100.00 14 28 55 4687.22 22.83 196.55 151.49 70.16 15 47 2 4087.2 19.91 188.96
 110.00 4 5 31 1715.02 -22.67 2.74 148.99 116.30 4 34 6 1115.0 -18.95 355.58
 110.00 15 39 21 4466.73 25.75 178.54 150.22 66.70 16 53 48 3866.7 22.37 171.02

DIFFERENTIAL CORRECTIONS

TOE -.0728 TRA -.4026 TC3 .1389 BAU .0567
 RDE -.2477 RRA .0326 RC3 -.1250 FAU .15491
 FDE 1.7562 FRA-2.1163 FC3-5.9077 BSP 329
 BDE .2582 BRA .4039 BC3 .1869 FSP -1747

MID-COURSE EXECUTION ACCURACY

SGT 509.8 SGR 323.2 SG3 564.2
 RRT -.0527 RRF -.0276 RTF .0912
 SGB 603.6 R23 .0196 R13 -.0919
 SG1 510.3 SG2 322.5 THA 176.81

ORBIT DETERMINATION ACCURACY

ST 169.7 SR 298.1 SS 666.6
 CRT .4812 CRS .9494 CST .1948
 LSA 726.4 MSA 184.3 SSA 21.3
 EL1 312.3 EL2 142.0 ALF 70.49

LAUNCH DATE DEC 9 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 274.592

RL 147.33 LAL .00 LOL 76.71 VL 28.183 GAL -8.08 AZL 86.62 MCA 126.43 SMA 131.76 ECC .18296 INC 3.3793 V1 30.240
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.090 GAP -1.76 AZP 92.01 TAL 222.14 TAP 348.57 RCA 107.65 APO 155.86 V2 35.095
 RC 76.070 GL 20.32 GP .28 ZAL 142.30 ZAP 64.87 ETS 358.27 ZAE 169.48 ETE 321.58 ZAC 54.10 ETC 160.96 CLP -64.87

PLANETOCENTRIC CONIC

C3 22.434 VHL 4.736 DLA -1.94 RAL 287.95 RAD 6567.9 VEL 11.992 PTH 2.14 VHP 3.289 DPA -17.94 RAP 321.55 ECC 1.3692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 59 2182.01 -18.76 39.43 150.64 111.60 2 14 21 1582.0 -15.67 32.12
 90.00 13 7 19 4946.01 21.59 216.05 151.61 71.22 14 29 45 4346.0 18.83 208.46
 100.00 2 58 25 1922.52 -19.83 19.89 150.18 112.84 3 30 28 1322.5 -16.57 12.61
 100.00 14 29 34 4680.73 22.67 196.13 151.20 69.98 15 47 34 4080.7 19.74 188.56
 110.00 4 4 36 1715.36 -22.68 2.77 148.78 116.29 4 33 11 1115.4 -18.96 355.60
 110.00 15 39 52 4460.65 25.58 178.15 149.93 66.52 16 54 13 3860.7 22.19 170.64

DIFFERENTIAL CORRECTIONS

TOE -.0359 TRA -.4498 TC3 .0162 BAU .0356
 RDE -.2374 RRA .0340 RC3 -.1177 FAU .16666
 FDE 1.9051 FRA-2.2804 FC3-6.4316 BSP 137
 BDE .2401 BRA .4509 BC3 .1188 FSP -1904

MID-COURSE EXECUTION ACCURACY

SGT 546.1 SGR 310.8 SG3 611.2
 RRT -.0684 RRF -.0437 RTF .3386
 SGB 628.4 R23 .0096 R13 -.3391
 SG1 546.7 SG2 309.7 THA 176.72

ORBIT DETERMINATION ACCURACY

ST 168.9 SR 287.5 SS 697.8
 CRT .2155 CRS .9512 CST -.0842
 LSA 750.2 MSA 186.8 SSA 20.6
 EL1 290.9 EL2 163.0 ALF 79.42

LAUNCH DATE DEC 9 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 281.038

RL 147.33 LAL .00 LOL 76.71 VL 28.192 GAL -8.02 AZL 86.62 MCA 129.64 SMA 131.82 ECC .18183 INC 3.3775 V1 30.240
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.084 GAP -1.27 AZP 92.16 TAL 222.12 TAP 351.76 RCA 107.85 APO 155.79 V2 35.082
 RC 78.316 GL 20.45 GP .31 ZAL 142.19 ZAP 70.32 ETS 358.17 ZAE 172.36 ETE 305.71 ZAC 51.97 ETC 160.36 CLP -70.32

PLANETOCENTRIC CONIC

C3 22.183 VHL 4.708 DLA -1.80 RAL 287.99 RAD 6567.9 VEL 11.981 PTH 2.14 VHP 3.179 DPA -18.54 RAP 319.29 ECC 1.3647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 8 2183.21 -18.79 39.50 150.51 111.58 2 13 32 1583.2 -15.70 32.20
 90.00 13 8 28 4938.92 21.43 215.59 151.41 71.04 14 30 47 4338.9 18.65 208.02
 100.00 2 57 39 1923.52 -19.86 19.95 150.05 112.81 3 29 42 1323.5 -16.60 12.67
 100.00 14 30 38 4673.84 22.51 195.68 150.99 69.80 15 48 32 4073.8 19.56 188.13
 110.00 4 3 58 1715.91 -22.70 2.80 148.66 116.27 4 32 34 1115.9 -18.98 355.63
 110.00 15 40 49 4454.21 25.41 177.73 149.72 66.33 16 55 3 3854.2 21.99 170.25

DIFFERENTIAL CORRECTIONS

TOE .0059 TRA -.5026 TC3 -.1224 BAU .0485
 RDE -.2269 RRA .0359 RC3 -.1089 FAU .17745
 FDE 2.0305 FRA-2.4246 FC3-6.9315 BSP 640
 BDE .2269 BRA .5039 BC3 .1638 FSP -2062

MID-COURSE EXECUTION ACCURACY

SGT 622.8 SGR 297.8 SG3 654.7
 RRT -.0913 RRF -.0629 RTF .5460
 SGB 690.3 R23 -.0015 R13 -.5461
 SG1 623.6 SG2 298.1 THA 176.77

ORBIT DETERMINATION ACCURACY

ST 183.8 SR 276.4 SS 723.1
 CRT -.0864 CRS .9528 CST -.3743
 LSA 772.8 MSA 188.3 SSA 19.9
 EL1 277.2 EL2 182.6 ALF 95.81

LAUNCH DATE DEC 9 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 287.453

RL 147.33 LAL .00 LOL 76.71 VL 28.194 GAL -7.96 AZL 86.62 MCA 132.86 SMA 131.84 ECC .18085 INC 3.3755 V1 30.240
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.074 GAP -.79 AZP 92.30 TAL 221.98 TAP 354.83 RCA 107.99 APO 155.68 V2 35.069
 RC 80.581 GL 20.58 GP .33 ZAL 142.00 ZAP 75.83 ETS 358.08 ZAE 174.13 ETE 275.67 ZAC 49.78 ETC 159.69 CLP -75.83

PLANETOCENTRIC CONIC

C3 21.885 VHL 4.678 DLA -1.66 RAL 288.12 RAD 6567.9 VEL 11.969 PTH 2.13 VHP 3.096 DPA -19.13 RAP 316.94 ECC 1.3602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 33 2184.67 -18.83 39.60 150.46 111.55 2 12 58 1584.7 -15.74 32.28
 90.00 13 10 2 4937.34 21.26 215.10 151.28 70.85 14 32 14 4331.3 18.46 207.55
 100.00 2 57 8 1924.77 -19.89 20.03 150.00 112.79 3 29 12 1324.8 -16.63 12.75
 100.00 14 32 9 4666.48 22.34 195.20 150.86 69.61 15 49 56 4066.5 19.36 187.67
 110.00 4 3 36 1716.67 -22.72 2.85 148.62 116.25 4 32 13 1116.7 -19.01 355.68
 110.00 15 42 10 4447.34 25.22 177.29 149.58 66.12 16 56 17 3847.3 21.78 169.83

DIFFERENTIAL CORRECTIONS

TOE .0508 TRA -.5619 TC3 -.2775 BAU .0862
 RDE -.2180 RRA .0383 RC3 -.0987 FAU .18614
 FDE 2.1417 FRA-2.5271 FC3-7.3635 BSP 1212
 BDE .2219 BRA .5632 BC3 .2945 FSP -2185

MID-COURSE EXECUTION ACCURACY

SGT 738.4 SGR 284.1 SG3 690.8
 RRT -.1182 RRF -.0895 RTF .6916
 SGB 791.2 R23 -.0062 R13 -.6916
 SG1 739.3 SG2 281.8 THA 176.95

ORBIT DETERMINATION ACCURACY

ST 215.8 SR 264.9 SS 746.5
 CRT -.3381 CRS .9556 CST -.5920
 LSA 798.6 MSA 189.5 SSA 19.1
 EL1 284.7 EL2 189.0 ALF 119.30

LAUNCH DATE DEC 9 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.191 GAL -7.88 AZL 86.63 MCA 136.07 SMA 131.81 ECC .17998 INC 3.3733 V1 30.240
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.060 GAP -.34 AZP 92.43 TAL 221.73 TAP 357.80 RCA 108.09 APO 155.54 V2 35.056
 RC 82.862 GL 20.71 GP .36 ZAL 141.74 ZAP 81.34 ETS 358.00 ZAE 173.58 ETE 258.50 ZAC 47.60 ETC 158.96 CLP -81.34

PLANETOCENTRIC CONIC
 C3 21.598 VHL 4.647 DLA -1.50 RAL 288.32 RAD 6567.9 VEL 11.957 PTH 2.13 VHP 3.039 DPA -19.69 RAP 314.58 ECC 1.3554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 12 2186.41 -18.87 39.71 150.49 111.51 2 12 38 1586.4 -15.79 32.39
 90.00 13 12 2 4923.23 21.08 214.57 151.22 70.65 14 34 6 4323.2 18.25 207.04
 100.00 2 56 51 1928.26 -19.93 20.12 150.03 112.75 3 28 57 1326.3 -16.67 12.84
 100.00 14 34 5 4658.61 22.15 194.69 150.80 69.40 15 51 43 4058.6 19.15 187.18
 110.00 4 3 30 1717.64 -22.75 2.91 148.65 116.23 4 32 7 1117.6 -19.04 355.74
 110.00 15 43 55 4440.00 25.02 176.81 149.52 65.91 16 57 55 3840.0 21.55 169.38

DIFFERENTIAL CORRECTIONS
 TOE .0986 TRA -.6250 TC3 -.4453 BAU .1310 SGT 883.3 SGR 270.0 SG3 719.7 ST 261.5 SR 253.1 S5 762.6
 ROE -.2049 RRA .0411 RC3 -.0869 FAU .19293 RRT -.1523 RRF -.1210 RTF .7848 CRT -.5165 CRS .9583 CST -.7330
 FOE 2.2168 FRA -2.5952 FC3 -7.7334 BSP 1820 SGB 923.7 R23 -.0107 R13 -.7848 LSA 823.2 MSA 189.8 SSA 18.4
 BOE .2274 BRA .6264 BC3 .4537 FSP -2298 SGI 884.4 SG2 266.6 TMA 177.07 EL1 317.0 EL2 178.8 ALF 136.81

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.183 GAL -7.80 AZL 86.63 MCA 139.28 SMA 131.75 ECC .17922 INC 3.3708 V1 30.240
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.042 GAP .10 AZP 92.56 TAL 221.39 TAP .67 RCA 108.14 APO 155.37 V2 35.043
 RC 85.157 GL 20.84 GP .39 ZAL 141.41 ZAP 86.77 ETS 357.93 ZAE 171.12 ETE 215.08 ZAC 45.49 ETC 158.20 CLP -86.77

PLANETOCENTRIC CONIC
 C3 21.300 VHL 4.615 DLA -1.32 RAL 288.61 RAD 6567.9 VEL 11.945 PTH 2.13 VHP 3.004 DPA -20.20 RAP 312.27 ECC 1.3505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 3 2188.43 -18.93 39.83 150.59 111.46 2 12 32 1588.4 -15.84 32.51
 90.00 13 14 28 4914.52 20.89 214.01 151.23 70.43 14 36 22 4314.5 18.03 206.50
 100.00 2 56 47 1928.03 -19.98 20.23 150.13 112.71 3 28 55 1328.0 -16.73 12.95
 100.00 14 36 25 4650.15 21.95 194.15 150.81 69.18 15 53 55 4050.2 18.92 186.66
 110.00 4 3 37 1718.82 -22.78 2.98 148.76 116.20 4 32 16 1118.8 -19.08 355.81
 110.00 15 46 5 4432.12 24.80 176.31 149.52 65.68 16 59 57 3832.1 21.30 168.90

DIFFERENTIAL CORRECTIONS
 TOE .1478 TRA -.6910 TC3 -.6247 BAU .1791 SGT 1050.0 SGR 255.8 SG3 737.8 ST 316.6 SR 240.9 S5 777.0
 ROE -.1936 RRA .0441 RC3 -.0737 FAU .19669 RRT -.1932 RRF -.1620 RTF .8424 CRT -.6332 CRS .9622 CST -.8145
 FOE 2.2734 FRA -2.6089 FC3 -7.9945 BSP 2466 SGB 1080.7 R23 -.0108 R13 -.8424 LSA 851.8 MSA 190.1 SSA 17.5
 BOE .2436 BRA .6924 BC3 .6291 FSP -2356 SGI 1051.2 SG2 250.6 TMA 177.14 EL1 363.1 EL2 162.6 ALF 146.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.171 GAL -7.70 AZL 86.63 MCA 142.49 SMA 131.66 ECC .17855 INC 3.3680 V1 30.240
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.020 GAP .52 AZP 92.67 TAL 220.96 TAP 3.44 RCA 108.15 APO 155.17 V2 35.030
 RC 87.465 GL 20.98 GP .42 ZAL 141.01 ZAP 92.07 ETS 357.87 ZAE 167.93 ETE 203.11 ZAC 43.51 ETC 157.41 CLP -92.08

PLANETOCENTRIC CONIC
 C3 20.991 VHL 4.582 DLA -1.14 RAL 288.97 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 2.992 DPA -20.64 RAP 310.09 ECC 1.3455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 6 2190.74 -18.98 39.98 150.75 111.41 2 12 37 1590.7 -15.91 32.65
 90.00 13 17 18 4905.19 20.67 213.41 151.30 70.21 14 39 3 4305.2 17.79 205.92
 100.00 2 56 55 1930.06 -20.03 20.36 150.30 112.67 3 29 5 1330.1 -16.78 13.07
 100.00 14 39 10 4641.11 21.73 193.56 150.88 68.95 15 56 31 4041.1 18.67 186.10
 110.00 4 3 57 1720.23 -22.83 3.07 148.94 116.16 4 32 37 1120.2 -19.12 355.89
 110.00 15 48 37 4423.70 24.56 175.77 149.58 65.44 17 2 21 3823.7 21.04 168.39

DIFFERENTIAL CORRECTIONS
 TOE .1978 TRA -.7575 TC3 -.8114 BAU .2283 SGT 1229.5 SGR 241.5 SG3 748.1 ST 377.5 SR 228.4 S5 782.6
 ROE -.1821 RRA .0473 RC3 -.0592 FAU .19853 RRT -.2427 RRF -.2084 RTF .8790 CRT -.7114 CRS .9656 CST -.8650
 FOE 2.2854 FRA -2.5929 FC3 -8.1877 BSP 3126 SGB 1253.0 R23 -.0134 R13 -.8789 LSA 878.1 MSA 189.1 SSA 16.7
 BOE .2688 BRA .7590 BC3 .8136 FSP -2411 SGI 1231.0 SG2 234.0 TMA 177.17 EL1 416.5 EL2 145.5 ALF 153.18

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.154 GAL -7.60 AZL 86.64 MCA 145.69 SMA 131.54 ECC .17796 INC 3.3647 V1 30.240
 RP 108.22 LAP 1.90 LOP 222.45 VP 37.996 GAP .92 AZP 92.78 TAL 220.43 TAP 6.12 RCA 108.13 APO 154.95 V2 35.016
 RC 89.783 GL 21.12 GP .45 ZAL 140.54 ZAP 97.19 ETS 357.82 ZAE 164.59 ETE 196.48 ZAC 41.72 ETC 156.63 CLP -97.19

PLANETOCENTRIC CONIC
 C3 20.671 VHL 4.547 DLA -.93 RAL 289.40 RAD 6567.8 VEL 11.919 PTH 2.12 VHP 2.999 DPA -21.02 RAP 308.09 ECC 1.3402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 20 2193.35 -19.05 40.14 150.98 111.36 2 12 53 1593.4 -15.98 32.81
 90.00 13 20 32 4895.20 20.44 212.77 151.43 69.97 14 42 7 4295.2 17.53 205.30
 100.00 2 57 14 1932.36 -20.09 20.50 150.54 112.61 3 29 27 1332.4 -16.85 13.21
 100.00 14 42 19 4631.42 21.49 192.94 151.01 68.71 15 59 30 4031.4 18.41 185.51
 110.00 4 4 29 1721.85 -22.88 3.17 149.18 116.12 4 33 11 1121.9 -19.18 355.98
 110.00 15 51 33 4414.69 24.30 175.19 149.71 65.19 17 5 8 3814.7 20.75 167.85

DIFFERENTIAL CORRECTIONS
 TOE .2474 TRA -.8232 TC3 -1.0038 BAU .2777 SGT 1416.7 SGR 227.4 SG3 747.7 ST 441.4 SR 215.5 S5 786.6
 ROE -.1703 RRA .0505 RC3 -.0436 FAU .19738 RRT -.3003 RRF -.2649 RTF .9020 CRT -.7656 CRS .9701 CST -.8947
 FOE 2.2798 FRA -2.5242 FC3 -8.2669 BSP 3795 SGB 1434.8 R23 -.0131 R13 -.9020 LSA 907.9 MSA 188.4 SSA 15.6
 BOE .3003 BRA .8248 BC3 1.0048 FSP -2411 SGI 1418.3 SG2 216.6 TMA 177.17 EL1 473.9 EL2 129.1 ALF 157.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.134 GAL -7.50 AZL 86.64 HCA 148.89 SMA 131.39 ECC .17745 INC 3.3608 V1 30.240
 RP 108.26 LAP 1.74 LOP 225.65 VP 37.968 GAP 1.31 AZP 92.88 TAL 219.83 TAP 8.72 RCA 108.08 APO 154.71 V2 35.003
 RC 92.112 GL 21.26 GP .49 ZAL 140.00 ZAP 102.06 ETS 357.80 ZAE 161.30 ETE 192.38 ZAC 40.15 ETC 155.91 CLP-102.06

PLANETOCENTRIC CONIC
 C3 20.339 VHL 4.510 DLA -.71 RAL 289.91 RAD 6567.8 VEL 11.905 PTH 2.12 VMP 3.023 DPA -21.32 RAP 306.32 ECC 1.3347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 44 2196.26 -19.12 40.32 151.28 111.29 2 13 20 1596.3 -16.06 32.99
 90.00 13 24 10 4884.55 20.19 212.08 151.62 69.71 14 45 35 4284.5 17.25 204.65
 100.00 2 57 44 1934.94 -20.16 20.66 150.84 112.55 3 29 59 1334.9 -16.93 13.36
 100.00 14 45 51 4621.10 21.23 192.28 151.19 68.45 16 2 52 4021.1 18.12 184.87
 110.00 4 5 13 1723.70 -22.93 3.28 149.49 116.07 4 33 57 1123.7 -19.24 356.09
 110.00 15 54 51 4405.10 24.03 174.58 149.89 64.92 17 8 16 3805.1 20.45 167.27

DIFFERENTIAL CORRECTIONS
 TOE .2958 TRA -.0869 TC3-1.1995 BAU .3262 SGT 1606.7 SGR 213.7 SG3 740.3 ST 506.5 SR 202.2 SS 784.7
 ROE -.1584 RRA .0535 RC3 -.0269 FAU .19447 RRT -.3667 RRF -.3267 RTF .9174 CRT -.8052 CRS .9743 CST -.9142
 FOE 2.2426 FRA-2.4313 FC3-8.2779 BSP 4466 SGB 1620.9 R23 -.0139 R13 -.9174 LSA 937.1 MSA 187.0 SSA 14.6
 BOE .3355 BRA .8885 BC3 1.1998 FSP -2402 SG1 1608.7 SG2 198.6 THA 177.16 EL1 533.4 EL2 113.9 ALF 161.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 112.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.110 GAL -7.38 AZL 86.64 HCA 152.09 SMA 131.22 ECC .17700 INC 3.3563 V1 30.240
 RP 108.31 LAP 1.57 LOP 228.84 VP 37.939 GAP 1.68 AZP 92.97 TAL 219.14 TAP 11.24 RCA 107.99 APO 154.44 V2 34.990
 RC 94.449 GL 21.41 GP .53 ZAL 139.39 ZAP 106.68 ETS 357.79 ZAE 158.16 ETE 189.63 ZAC 38.82 ETC 155.26 CLP-106.68

PLANETOCENTRIC CONIC
 C3 19.995 VHL 4.472 DLA -.48 RAL 290.48 RAD 6567.8 VEL 11.890 PTH 2.11 VMP 3.062 DPA -21.55 RAP 304.81 ECC 1.3291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 17 2199.45 -19.20 40.33 151.63 111.22 2 13 57 1599.5 -16.14 33.18
 90.00 13 28 12 4873.22 19.92 211.36 151.86 69.45 14 49 26 4273.2 16.95 203.95
 100.00 2 58 24 1937.79 -20.23 20.84 151.19 112.49 3 30 42 1337.8 -17.01 13.53
 100.00 14 49 46 4610.12 20.96 191.59 151.43 68.18 16 6 37 4010.1 17.81 184.20
 110.00 4 6 8 1725.77 -22.99 3.41 149.86 116.02 4 34 54 1125.8 -19.31 356.21
 110.00 15 58 32 4394.90 23.73 173.94 150.12 64.64 17 11 47 3794.9 20.12 166.66

DIFFERENTIAL CORRECTIONS
 TOE .3428 TRA -.9469 TC3-1.3963 BAU .3732 SGT 1795.6 SGR 200.8 SG3 725.0 ST 571.7 SR 188.5 SS 782.1
 ROE -.1462 RRA .0562 RC3 -.0093 FAU .18941 RRT -.4415 RRF -.4022 RTF .9274 CRT -.8362 CRS .9792 CST -.9264
 FOE 2.1943 FRA-2.3022 FC3-8.2013 BSP 5119 SGB 1806.8 R23 -.0127 R13 -.9274 LSA 969.1 MSA 186.2 SSA 13.4
 BOE .3727 BRA .9485 BC3 1.3963 FSP -2351 SG1 1797.8 SG2 180.0 THA 177.14 EL1 593.7 EL2 99.6 ALF 164.12

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.083 GAL -7.25 AZL 86.65 HCA 155.29 SMA 131.02 ECC .17661 INC 3.3505 V1 30.240
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.907 GAP 2.04 AZP 93.04 TAL 218.39 TAP 13.68 RCA 107.88 APO 154.16 V2 34.977
 RC 96.794 GL 21.56 GP .58 ZAL 138.73 ZAP 111.02 ETS 357.81 ZAE 155.23 ETE 187.67 ZAC 37.74 ETC 154.73 CLP-111.02

PLANETOCENTRIC CONIC
 C3 19.640 VHL 4.432 DLA -.23 RAL 291.13 RAD 6567.8 VEL 11.875 PTH 2.11 VMP 3.114 DPA -21.71 RAP 303.59 ECC 1.3232
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 1 2202.91 -19.28 40.74 152.05 111.15 2 14 44 1602.9 -16.24 33.39
 90.00 13 32 37 4861.26 19.63 210.60 152.16 69.18 14 53 39 4261.3 16.63 203.22
 100.00 2 59 15 1940.87 -20.31 21.04 151.61 112.42 3 31 36 1340.9 -17.10 13.72
 100.00 14 54 4 4598.53 20.66 190.85 151.72 67.91 16 10 43 3998.5 17.48 183.50
 110.00 4 7 15 1728.03 -23.06 3.55 150.28 115.96 4 36 3 1128.0 -19.38 356.35
 110.00 16 2 34 4384.14 23.42 173.26 150.41 64.36 17 15 38 3784.1 19.77 166.02

DIFFERENTIAL CORRECTIONS
 TOE .3873 TRA -1.0029 TC3-1.5945 BAU .4187 SGT 1982.2 SGR 189.0 SG3 705.9 ST 635.4 SR 174.5 SS 774.2
 ROE -.1338 RRA .0586 RC3 .0091 FAU .18349 RRT -.5239 RRF -.4822 RTF .9344 CRT -.8611 CRS .9836 CST -.9349
 FOE 2.1223 FRA-2.1636 FC3-8.0885 BSP 5767 SGB 1991.2 R23 -.0125 R13 -.9344 LSA 999.7 MSA 184.8 SSA 12.2
 BOE .4097 BRA 1.0046 BC3 1.5945 FSP -2302 SG1 1984.7 SG2 160.8 THA 177.12 EL1 653.3 EL2 86.3 ALF 166.46

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 28.054 GAL -7.12 AZL 86.66 HCA 158.48 SMA 130.81 ECC .17627 INC 3.3432 V1 30.240
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.873 GAP 2.39 AZP 93.11 TAL 217.57 TAP 16.05 RCA 107.75 APO 153.87 V2 34.964
 RC 99.145 GL 21.70 GP .65 ZAL 137.99 ZAP 115.08 ETS 357.85 ZAE 152.51 ETE 186.17 ZAC 36.91 ETC 154.34 CLP-115.08

PLANETOCENTRIC CONIC
 C3 19.274 VHL 4.390 DLA .03 RAL 291.84 RAD 6567.8 VEL 11.860 PTH 2.10 VMP 3.177 DPA -21.79 RAP 302.66 ECC 1.3172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 55 2206.57 -19.37 40.97 152.52 111.06 2 15 42 1606.6 -16.34 33.61
 90.00 13 37 24 4848.69 19.33 209.81 152.51 68.89 14 58 13 4248.7 16.29 202.45
 100.00 3 0 16 1944.14 -20.40 21.24 152.09 112.34 3 32 41 1344.1 -17.19 13.92
 100.00 14 58 44 4586.35 20.35 190.08 152.07 67.82 16 15 10 3986.3 17.14 182.76
 110.00 4 8 33 1730.42 -23.13 3.70 150.77 115.90 4 37 24 1130.4 -19.46 356.49
 110.00 16 6 57 4372.83 23.08 172.55 150.75 64.06 17 19 50 3772.8 19.41 165.35

DIFFERENTIAL CORRECTIONS
 TOE .4304 TRA -1.0531 TC3-1.7907 BAU .4615 SGT 2162.6 SGR 178.7 SG3 681.7 ST 698.4 SR 160.2 SS 767.7
 ROE -.1214 RRA .0605 RC3 .0283 FAU .17615 RRT -.6124 RRF -.5696 RTF .9388 CRT -.8831 CRS .9883 CST -.9403
 FOE 2.0509 FRA-2.0029 FC3-7.9120 BSP 6379 SGB 2169.9 R23 -.0098 R13 -.9388 LSA 1033.8 MSA 184.3 SSA 10.8
 BOE .4472 BRA 1.0548 BC3 1.7909 FSP -2222 SG1 2165.3 SG2 141.1 THA 177.09 EL1 712.8 EL2 73.6 ALF 168.43

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

RL 147.33 LAL .00 LOL 76.71 VL 28.022 GAL -6.98 AZL 86.67 HCA 161.68 SMA 130.58 ECC .17600 INC 3.3333 V1 30.240
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.838 GAP 2.72 AZP 93.16 TAL 216.68 TAP 18.36 RCA 107.60 APO 153.56 V2 34.951
 RC 101.502 GL 21.84 GP .74 ZAL 137.20 ZAP 118.87 ETS 357.93 ZAE 150.03 ETE 184.98 ZAC 36.33 ETC 154.12 CLP-118.87

PLANETOCENTRIC CONIC

C3 18.897 VHL 4.347 DLA .30 RAL 292.62 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 3.249 DPA -21.80 RAP 302.02 ECC 1.3110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 2 2210.30 -19.46 41.21 153.05 110.98 2 16 52 1610.3 -16.44 33.84
 90.00 13 42 32 4835.64 19.00 208.99 152.92 68.61 15 3 7 4235.6 15.93 201.66
 100.00 3 1 31 1947.47 -20.48 21.45 152.62 112.26 3 33 58 3973.7 16.77 182.00
 100.00 15 3 44 4573.71 20.02 189.29 152.48 67.33 16 19 58 3973.7 16.77 182.00
 110.00 4 10 5 1732.84 -23.20 3.85 151.32 115.84 4 38 58 1132.8 -19.54 356.63
 110.00 16 11 39 4361.10 22.73 171.82 151.16 63.76 17 24 20 3761.1 19.02 164.66

DIFFERENTIAL CORRECTIONS

TDE .4700 TRA-1.0986 TC3-1.9894 BAU .5027
 RDE -.1088 RRA .0621 RC3 .0488 FAU .16868
 FDE 1.9647 FRA-1.8441 FC3-7.7276 BSP 6993
 BDE .4824 BRA 1.1003 BC3 1.9900 FSP -2150

MID-COURSE EXECUTION ACCURACY

SGT 2339.2 SGR 170.5 SG3 656.6
 RRT -.7037 RRF -.6600 RTF .9419
 SGB 2345.4 R23 -.0064 R13 -.9419
 SG1 2342.3 SG2 121.0 THA 177.06

ORBIT DETERMINATION ACCURACY

ST 758.4 SR 145.6 SS 757.3
 CRT -.9023 CRS .9923 CST -.9440
 LSA 1065.9 HSA 183.5 SSA 9.3
 EL1 769.7 EL2 61.8 ALF 170.11

LAUNCH DATE DEC 9 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

RL 147.33 LAL .00 LOL 76.71 VL 27.988 GAL -6.83 AZL 86.68 HCA 164.87 SMA 130.34 ECC .17578 INC 3.3199 V1 30.240
 RP 108.46 LAP .87 LOP 241.60 VP 37.801 GAP 3.04 AZP 93.21 TAL 215.74 TAP 20.61 RCA 107.43 APO 153.25 V2 34.939
 RC 103.862 GL 21.97 GP .87 ZAL 136.35 ZAP 122.39 ETS 358.06 ZAE 147.77 ETE 183.97 ZAC 35.98 ETC 154.09 CLP-122.39

PLANETOCENTRIC CONIC

C3 18.508 VHL 4.302 DLA .57 RAL 293.48 RAD 6567.7 VEL 11.828 PTH 2.09 VHP 3.328 DPA -21.73 RAP 301.64 ECC 1.3046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 25 2213.83 -19.55 41.43 153.64 110.90 2 18 19 1613.8 -16.53 34.06
 90.00 13 47 56 4822.34 18.67 208.15 153.38 68.32 15 8 19 4222.3 15.56 200.85
 100.00 3 3 2 1950.59 -20.56 21.65 153.21 112.19 3 35 32 1350.6 -17.37 14.31
 100.00 15 9 1 4560.81 19.68 188.48 152.94 67.03 16 25 2 3960.8 16.40 181.22
 110.00 4 11 53 1735.06 -23.27 3.99 151.91 115.78 4 40 48 1135.1 -19.61 356.76
 110.00 16 16 39 4349.10 22.37 171.08 151.62 63.45 17 29 8 3749.1 18.62 163.95

DIFFERENTIAL CORRECTIONS

TDE .5082 TRA-1.1367 TC3-2.1861 BAU .5412
 RDE -.0965 RRA .0631 RC3 .0705 FAU .16054
 FDE 1.8827 FRA-1.6747 FC3-7.5096 BSP 7556
 BDE .5173 BRA 1.1384 BC3 2.1872 FSP -2058

MID-COURSE EXECUTION ACCURACY

SGT 2507.6 SGR 165.1 SG3 629.1
 RRT -.7928 RRF -.7500 RTF .9436
 SGB 2513.0 R23 .0011 R13 -.9436
 SG1 2511.0 SG2 100.5 THA 177.01

ORBIT DETERMINATION ACCURACY

ST 817.1 SR 131.0 SS 748.3
 CRT -.9207 CRS .9959 CST -.9462
 LSA 1100.5 HSA 183.7 SSA 7.8
 EL1 826.0 EL2 50.6 ALF 171.57

LAUNCH DATE DEC 9 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

RL 147.33 LAL .00 LOL 76.71 VL 27.952 GAL -6.67 AZL 86.70 HCA 168.06 SMA 130.08 ECC .17562 INC 3.2990 V1 30.240
 RP 108.50 LAP .68 LOP 244.79 VP 37.763 GAP 3.35 AZP 93.23 TAL 214.74 TAP 22.80 RCA 107.24 APO 152.93 V2 34.926
 RC 108.225 GL 22.06 GP 1.07 ZAL 135.44 ZAP 125.66 ETS 358.28 ZAE 145.73 ETE 183.05 ZAC 35.82 ETC 154.30 CLP-125.67

PLANETOCENTRIC CONIC

C3 18.103 VHL 4.255 DLA .83 RAL 294.40 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 3.414 DPA -21.55 RAP 301.51 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 13 2216.53 -19.62 41.61 154.27 110.84 2 20 10 1616.5 -16.61 34.22
 90.00 13 53 31 4809.28 18.34 207.34 153.91 68.04 15 13 40 4209.3 15.20 200.07
 100.00 3 4 57 1952.91 -20.62 21.80 153.85 112.13 3 37 30 1352.9 -17.44 14.45
 100.00 15 14 28 4548.13 19.34 187.69 153.47 66.75 16 30 17 3948.1 16.03 180.46
 110.00 4 14 5 1736.54 -23.31 4.08 152.56 115.74 4 43 1 1136.5 -19.66 356.85
 110.00 16 21 50 4337.27 22.01 170.36 152.14 63.16 17 34 7 3737.3 18.23 163.26

DIFFERENTIAL CORRECTIONS

TDE .5428 TRA-1.1685 TC3-2.3857 BAU .5778
 RDE -.0845 RRA .0637 RC3 .0947 FAU .15265
 FDE 1.7926 FRA-1.5127 FC3-7.3001 BSP 8103
 BDE .5494 BRA 1.1702 BC3 2.3875 FSP -1976

MID-COURSE EXECUTION ACCURACY

SGT 2670.6 SGR 163.7 SG3 602.1
 RRT -.8731 RRF -.8327 RTF .9447
 SGB 2675.6 R23 .0147 R13 -.9447
 SG1 2674.4 SG2 79.7 THA 176.93

ORBIT DETERMINATION ACCURACY

ST 872.3 SR 116.7 SS 736.5
 CRT -.9379 CRS .9982 CST -.9478
 LSA 1132.8 HSA 183.5 SSA 6.2
 EL1 879.2 EL2 40.2 ALF 172.83

LAUNCH DATE DEC 9 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

RL 147.33 LAL .00 LOL 76.71 VL 27.915 GAL -6.50 AZL 86.74 HCA 171.24 SMA 129.81 ECC .17552 INC 3.2635 V1 30.240
 RP 108.54 LAP .50 LOP 247.97 VP 37.724 GAP 3.65 AZP 93.23 TAL 213.69 TAP 24.93 RCA 107.03 APO 152.60 V2 34.914
 RC 108.588 GL 22.06 GP 1.42 ZAL 134.50 ZAP 128.69 ETS 358.65 ZAE 143.90 ETE 182.07 ZAC 35.82 ETC 154.82 CLP-128.71

PLANETOCENTRIC CONIC

C3 17.672 VHL 4.204 DLA 1.02 RAL 295.41 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 3.505 DPA -21.18 RAP 301.61 ECC 1.2908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 49 2216.85 -19.62 41.63 154.95 110.83 2 22 46 1616.9 -16.62 34.24
 90.00 13 58 57 4797.72 18.05 206.62 154.50 67.80 15 18 55 4197.7 14.88 199.37
 100.00 3 7 38 1952.95 -20.62 21.80 154.53 112.13 3 40 11 1352.9 -17.44 14.45
 100.00 15 19 49 4536.86 19.04 186.99 154.07 66.51 16 35 26 3936.9 15.70 179.79
 110.00 4 16 58 1735.93 -23.29 4.05 153.25 115.75 4 45 54 1135.9 -19.64 356.82
 110.00 16 26 59 4326.64 21.68 169.70 152.73 62.90 17 39 5 3726.6 17.87 162.64

DIFFERENTIAL CORRECTIONS

TDE .5733 TRA-1.1917 TC3-2.5886 BAU .6123
 RDE -.0735 RRA .0640 RC3 .1237 FAU .14460
 FDE 1.7037 FRA-1.3463 FC3-7.0837 BSP 8613
 BDE .5780 BRA 1.1935 BC3 2.5915 FSP -1882

MID-COURSE EXECUTION ACCURACY

SGT 2826.0 SGR 168.7 SG3 574.6
 RRT -.9362 RRF -.9020 RTF .9448
 SGB 2831.0 R23 .0486 R13 -.9449
 SG1 2830.4 SG2 59.2 THA 176.80

ORBIT DETERMINATION ACCURACY

ST 923.2 SR 103.6 SS 724.6
 CRT -.9541 CRS .9987 CST -.9480
 LSA 1163.6 HSA 184.7 SSA 4.6
 EL1 928.5 EL2 30.9 ALF 173.88

LAUNCH DATE DEC 9 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 368.382

RL 147.33 LAL .00 LOL 76.71 VL 27.876 GAL -6.33 AZL 86.81 MCA 174.42 SMA 129.54 ECC .17548 INC 3.1881 V1 30.240
 RP 108.58 LAP .31 LOP 251.15 VP 37.685 GAP 3.94 AZP 93.17 TAL 212.59 TAP 27.01 RCA 106.81 APO 152.27 V2 34.903
 RC 110.951 GL 21.83 GP 2.16 ZAL 133.59 ZAP 131.50 ETS 359.44 ZAE 142.27 ETE 180.71 ZAC 35.87 ETC 155.96 CLP-131.54

PLANETOCENTRIC CONIC

C3 17.175 VHL 4.144 DLA .99 RAL 296.52 RAD 6567.7 VEL 11.771 PTH 2.08 VMP 3.600 OPA -20.39 RAP 301.85 ECC 1.2827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 27 2209.46 -19.44 41.16 155.61 111.00 2 27 17 1609.5 -16.42 33.79
 90.00 14 3 13 4791.91 17.90 206.26 155.19 67.68 15 23 5 4191.9 14.72 199.02
 100.00 3 12 16 1945.59 -20.43 21.34 155.19 112.31 3 44 41 1345.6 -17.23 14.01
 100.00 15 24 6 4531.01 18.88 186.63 154.75 66.38 16 39 37 3931.0 15.52 179.45
 110.00 4 21 34 1728.67 -23.08 3.59 153.92 115.95 4 50 23 1128.7 -19.40 356.39
 110.00 16 31 17 4320.71 21.49 169.34 153.42 62.76 17 43 17 3720.7 17.67 162.30

DIFFERENTIAL CORRECTIONS

TDE .5906 TRA-1.2085 TC3-2.8083 BAU .6460
 ROE -.0645 RRA .0650 RC3 .1660 FAU .13706
 FDE 1.5915 FRA-1.1880 FC3-6.9086 BSP 9139
 BOE .5942 BRA 1.2082 BC3 2.8132 FSP -1803

MID-COURSE EXECUTION ACCURACY

SGT 2977.9 SGR 187.0 SG3 548.7
 RRT -.9752 RRF -.9531 RTF .9447
 SGB 2983.8 R23 .1428 R13 -.9448
 SGI 2983.5 SG2 41.3 TMA 176.49

ORBIT DETERMINATION ACCURACY

ST 960.3 SR 93.3 SS 703.4
 CRT -.9670 CRS .9968 CST -.9465
 LSA 1179.5 MSA 185.9 SSA 2.9
 EL1 964.5 EL2 23.7 ALF 174.63

LAUNCH DATE DEC 9 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 374.448

RL 147.33 LAL .00 LOL 76.71 VL 27.835 GAL -6.15 AZL 87.09 MCA 177.61 SMA 129.25 ECC .17549 INC 2.9177 V1 30.240
 RP 108.61 LAP .12 LOP 254.32 VP 37.644 GAP 4.23 AZP 92.91 TAL 211.44 TAP 29.05 RCA 106.57 APO 151.94 V2 34.892
 RC 113.313 GL 20.34 GP 4.88 ZAL 133.08 ZAP 133.98 ETS 2.27 ZAE 140.80 ETE 177.09 ZAC 35.46 ETC 159.77 CLP-134.18

PLANETOCENTRIC CONIC

C3 16.377 VHL 4.047 DLA -.25 RAL 297.92 RAD 6567.7 VEL 11.737 PTH 2.07 VMP 3.708 OPA -17.62 RAP 301.93 ECC 1.2695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 11 2160.16 -18.21 38.06 156.00 112.06 2 41 12 1560.2 -15.06 30.81
 90.00 13 59 36 4819.37 18.60 207.97 156.11 68.25 15 19 55 4219.4 15.48 200.67
 100.00 3 26 25 1898.14 -19.18 18.37 155.58 113.38 3 58 3 1298.1 -15.85 11.16
 100.00 15 21 3 4556.82 19.57 188.22 155.68 66.94 16 37 0 3956.6 16.28 180.97
 110.00 4 34 24 1685.34 -21.76 .92 154.28 117.03 5 2 30 1085.3 -17.96 353.85
 110.00 16 29 33 4342.18 22.16 170.86 154.40 63.28 17 41 56 3742.2 18.39 163.55

DIFFERENTIAL CORRECTIONS

TDE .5388 TRA-1.2104 TC3-3.1280 BAU .6876
 ROE -.0636 RRA .0718 RC3 .2781 FAU .13042
 FDE 1.3627 FRA-1.0285 FC3-6.8943 BSP 10010
 BOE .5428 BRA 1.2125 BC3 3.1403 FSP -1762

MID-COURSE EXECUTION ACCURACY

SGT 3150.9 SGR 262.9 SG3 525.4
 RRT -.9813 RRF -.9869 RTF .9443
 SGB 3161.9 R23 .3118 R13 -.9447
 SGI 3161.5 SG2 50.5 TMA 175.32

ORBIT DETERMINATION ACCURACY

ST 923.0 SR 95.2 SS 636.0
 CRT -.9650 CRS .9945 CST -.9327
 LSA 1108.4 MSA 192.3 SSA 1.3
 EL1 927.6 EL2 24.9 ALF 174.31

LAUNCH DATE DEC 9 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 380.495

RL 147.33 LAL .00 LOL 76.71 VL 27.794 GAL -5.95 AZL 85.14 MCA 180.79 SMA 128.96 ECC .17558 INC 4.8017 V1 30.240
 RP 108.64 LAP -.07 LOP 247.50 VP 37.604 GAP 4.50 AZP 94.86 TAL 210.25 TAP 31.04 RCA 106.32 APO 151.61 V2 34.881
 RC 115.673 GL 31.71 GP -14.18 ZAL 126.78 ZAP 134.89 ETS 342.89 ZAE 136.00 ETE 197.81 ZAC 45.09 ETC 139.90 CLP-136.72

PLANETOCENTRIC CONIC

C3 19.843 VHL 4.455 DLA 11.25 RAL 297.35 RAD 6567.8 VEL 11.884 PTH 2.11 VMP 3.909 OPA -36.24 RAP 306.60 ECC 1.3266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 42 2569.25 -26.30 65.23 162.20 100.90 1 17 31 1969.2 -24.53 57.01
 90.00 15 25 34 4499.80 9.56 188.87 157.22 63.22 16 40 34 3899.8 5.89 182.11
 100.00 2 1 42 2288.65 -27.48 44.32 161.92 102.24 2 39 51 1688.6 -25.52 36.07
 100.00 16 41 15 4255.65 10.63 170.35 156.66 61.90 17 52 11 3655.7 6.79 163.66
 110.00 3 22 46 2034.97 -30.64 24.15 161.02 105.96 3 56 41 1435.0 -28.15 15.84
 110.00 17 36 40 4082.07 13.45 155.52 155.00 58.27 18 44 43 3482.1 9.16 149.03

DIFFERENTIAL CORRECTIONS

TDE 1.4807 TRA-1.0315 TC3-1.9194 BAU .5117
 ROE .1147 RRA .0214 RC3 -.1921 FAU .09056
 FDE 2.5722 FRA -.5357 FC3-3.9510 BSP 1624
 BOE 1.4851 BRA 1.0318 BC3 1.9289 FSP -553

MID-COURSE EXECUTION ACCURACY

SGT 2895.0 SGR 227.7 SG3 421.8
 RRT .8127 RRF .9634 RTF .9390
 SGB 2904.0 R23 .3410 R13 .9400
 SGI 2901.0 SG2 132.4 TMA 3.66

ORBIT DETERMINATION ACCURACY

ST 1948.0 SR 147.9 SS 1120.2
 CRT .9646 CRS -.9927 CST -.9893
 LSA 2247.2 MSA 145.9 SSA .3
 EL1 1953.2 EL2 38.9 ALF 4.19

LAUNCH DATE DEC 9 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 386.525

RL 147.33 LAL .00 LOL 76.71 VL 27.751 GAL -5.75 AZL 86.32 MCA 183.96 SMA 128.67 ECC .17572 INC 3.6812 V1 30.240
 RP 108.68 LAP -.25 LOP 260.67 VP 37.562 GAP 4.77 AZP 93.68 TAL 209.03 TAP 32.99 RCA 106.06 APO 151.28 V2 34.870
 RC 118.029 GL 25.54 GP -2.79 ZAL 128.57 ZAP 138.83 ETS 354.42 ZAE 137.76 ETE 185.40 ZAC 39.86 ETC 151.36 CLP-138.91

PLANETOCENTRIC CONIC

C3 16.940 VHL 4.118 DLA 5.42 RAL 299.59 RAD 6567.7 VEL 11.761 PTH 2.08 VMP 3.903 OPA -24.87 RAP 305.11 ECC 1.2788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 35 2344.18 -22.49 49.86 159.65 107.68 2 8 40 1744.2 -19.86 42.17
 90.00 14 48 31 4650.82 14.05 197.69 157.39 65.16 16 6 2 4050.8 10.58 190.73
 100.00 2 53 29 2073.56 -23.51 29.59 159.28 109.01 3 28 3 1473.6 -20.70 21.92
 100.00 16 7 18 4396.67 15.02 178.52 156.91 63.85 17 20 35 3796.7 11.38 171.62
 110.00 4 7 36 1841.63 -26.25 10.83 158.13 112.72 4 38 18 1241.6 -22.94 3.24
 110.00 17 9 41 4201.36 17.61 162.27 155.48 60.22 18 19 43 3601.4 13.52 155.55

DIFFERENTIAL CORRECTIONS

TDE .8509 TRA-1.2638 TC3-3.1996 BAU .7248
 ROE .0051 RRA .0413 RC3 .0666 FAU .11448
 FDE 1.6593 FRA -.8146 FC3-5.8510 BSP 10227
 BOE .8510 BRA 1.2645 BC3 3.2003 FSP -1529

MID-COURSE EXECUTION ACCURACY

SGT 3385.7 SGR 79.9 SG3 471.9
 RRT -.8793 RRF -.7179 RTF .9428
 SGB 3386.7 R23 -.2336 R13 -.9428
 SGI 3386.5 SG2 38.1 TMA 178.81

ORBIT DETERMINATION ACCURACY

ST 1300.2 SR 18.8 SS 789.0
 CRT -.0341 CRS -.2358 CST -.9629
 LSA 1509.8 MSA 184.4 SSA 2.0
 EL1 1300.2 EL2 18.8 ALF 179.97

LAUNCH DATE DEC 9 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 392.537

RL 147.33 LAL .00 LOL 76.71 VL 27.708 GAL -5.54 AZL 86.45 MCA 187.14 SMA 128.37 ECC .17594 INC 3.5538 V1 30.240
 RP 108.71 LAP -.44 LOP 263.84 VP 37.521 GAP 5.03 A7P 93.53 TAL 207.76 TAP 34.90 RCA 105.78 APO 150.95 V2 34.860
 RC 120.382 GL 25.02 GP -1.51 ZAL 127.50 ZAP 141.02 ETS 355.79 ZAE 136.86 ETE 183.65 ZAC 40.25 ETC 153.35 CLP-141.05

PLANETOCENTRIC CONIC

C3 16.346 VHL 4.043 OLA 5.22 RAL 301.03 RAD 6567.7 VEL 11.736 PTH 2.07 VHP 4.005 OPA -23.42 RAP 305.96 ECC 1.2690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 54 2329.64 -22.18 48.90 160.46 108.06 2 15 44 1729.6 -19.51 41.25
 90.00 14 52 46 4649.01 13.99 197.58 158.34 65.13 16 10 15 4049.0 10.53 190.62
 100.00 3 0 42 2059.34 -23.19 28.65 160.09 109.40 3 35 1 1459.3 -20.34 21.02
 100.00 16 11 39 4394.54 14.96 178.40 157.86 63.81 17 24 53 3794.5 11.32 171.50
 110.00 4 14 35 1828.11 -25.89 9.94 158.93 113.14 4 45 3 1228.1 -22.54 2.40
 110.00 17 14 15 4198.53 17.51 162.10 156.45 60.16 18 24 14 3598.5 13.41 155.39

DIFFERENTIAL CORRECTIONS

TDE .8429 TRA-1.2574 TC3-3.4694 BAU .7587
 RDE .0082 RRA .0419 RC3 .1232 FAU .10934
 FDE 1.5310 FRA -.6949 FC3-5.7909 BSP 10939
 BDE .8429 BRA 1.2581 BC3 3.4718 FSP -1497

MID-COURSE EXECUTION ACCURACY

SGT 3535.4 SGR 116.7 SG3 454.0
 RRT -.9025 RRF -.8160 RTF .9419
 SGB 3537.3 R23 -.0794 R13 -.9418
 SG1 3537.0 SG2 50.2 THA 178.29

ORBIT DETERMINATION ACCURACY

ST 1312.3 SR 21.5 SS 759.3
 CRT .1428 CRS -.4126 CST -.9594
 LSA 1504.6 MSA 187.9 SSA 3.3
 EL1 1312.3 EL2 21.3 ALF .13

LAUNCH DATE DEC 9 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 398.533

RL 147.33 LAL .00 LOL 76.71 VL 27.663 GAL -5.33 AZL 86.50 MCA 190.31 SMA 128.06 ECC .17623 INC 3.5043 V1 30.240
 RP 108.74 LAP -.63 LOP 267.01 VP 37.480 GAP 5.28 A7P 93.45 TAL 206.46 TAP 36.77 RCA 105.49 APO 150.63 V2 34.851
 RC 122.731 GL 24.97 GP -1.02 ZAL 126.13 ZAP 143.05 ETS 356.36 ZAE 135.96 ETE 182.85 ZAC 41.12 ETC 154.50 CLP-143.06

PLANETOCENTRIC CONIC

C3 15.911 VHL 3.989 OLA 5.51 RAL 302.48 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 4.110 OPA -22.71 RAP 307.09 ECC 1.2619
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 29 2332.65 -22.25 49.10 161.57 107.98 2 19 21 1732.6 -19.58 41.44
 90.00 15 0 45 4633.71 13.55 196.67 159.37 64.90 16 17 59 4033.7 10.06 189.74
 100.00 3 4 25 2061.89 -23.25 28.82 161.20 109.33 3 38 47 1461.9 -20.40 21.19
 100.00 16 19 30 4379.70 14.51 177.52 158.90 63.58 17 32 29 3779.7 10.84 170.65
 110.00 4 18 38 1829.65 -25.94 10.04 160.05 113.09 4 49 7 1229.7 -22.58 2.49
 110.00 17 21 47 4184.71 17.04 161.31 157.48 59.91 18 31 32 3584.7 12.92 154.63

DIFFERENTIAL CORRECTIONS

TDE .8653 TRA-1.2436 TC3-3.6955 BAU .7868
 RDE .0167 RRA .0391 RC3 .1563 FAU .10376
 FDE 1.4535 FRA -.5790 FC3-5.6459 BSP 11445
 BDE .8653 BRA 1.2442 BC3 3.6988 FSP -1443

MID-COURSE EXECUTION ACCURACY

SGT 3668.4 SGR 138.9 SG3 435.0
 RRT -.8616 RRF -.7990 RTF .9407
 SGB 3671.1 R23 -.0233 R13 -.9407
 SG1 3670.4 SG2 70.5 THA 178.13

ORBIT DETERMINATION ACCURACY

ST 1357.4 SR 29.5 SS 748.3
 CRT .5061 CRS -.7261 CST -.9586
 LSA 1538.7 MSA 189.5 SSA 4.8
 EL1 1357.5 EL2 25.5 ALF .63

LAUNCH DATE DEC 9 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 404.512

RL 147.33 LAL .00 LOL 76.71 VL 27.619 GAL -5.10 AZL 86.52 MCA 193.49 SMA 127.76 ECC .17660 INC 3.4778 V1 30.240
 RP 108.76 LAP -.81 LOP 270.17 VP 37.438 GAP 5.53 A7P 93.38 TAL 205.12 TAP 38.61 RCA 105.20 APO 150.32 V2 34.842
 RC 125.075 GL 25.05 GP -.76 ZAL 124.63 ZAP 144.94 ETS 356.68 ZAE 135.13 ETE 182.33 ZAC 42.20 ETC 155.40 CLP-144.95

PLANETOCENTRIC CONIC

C3 15.530 VHL 3.941 OLA 5.97 RAL 303.99 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 4.218 OPA -22.19 RAP 308.39 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 59 2341.69 -22.44 49.70 162.83 107.74 2 22 1 1741.7 -19.80 42.02
 90.00 15 10 17 4613.71 12.97 195.49 160.49 64.61 16 27 10 4013.7 9.45 188.59
 100.00 3 7 9 2070.21 -23.44 29.37 162.47 109.10 3 41 40 1470.2 -20.62 21.71
 100.00 16 28 48 4360.43 13.92 176.39 160.02 63.28 17 41 28 3760.4 10.22 189.55
 110.00 4 21 53 1836.36 -26.11 10.48 161.34 112.88 4 52 29 1236.4 -22.78 2.91
 110.00 17 30 34 4167.04 16.44 160.30 158.60 59.60 18 40 1 3567.0 12.28 153.66

DIFFERENTIAL CORRECTIONS

TDE .8969 TRA-1.2230 TC3-3.9114 BAU .8130
 RDE .0263 RRA .0349 RC3 .1820 FAU .09834
 FDE 1.3939 FRA -.4690 FC3-5.4822 BSP 11894
 BDE .8973 BRA 1.2235 BC3 3.9157 FSP -1387

MID-COURSE EXECUTION ACCURACY

SGT 3794.8 SGR 157.0 SG3 416.6
 RRT -.8117 RRF -.7627 RTF .9394
 SGB 3798.1 R23 -.0005 R13 -.9394
 SG1 3797.0 SG2 91.6 THA 178.08

ORBIT DETERMINATION ACCURACY

ST 1413.0 SR 41.4 SS 743.9
 CRT .7052 CRS -.8731 CST -.9587
 LSA 1586.0 MSA 190.5 SSA 6.2
 EL1 1413.3 EL2 29.4 ALF 1.18

LAUNCH DATE DEC 9 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 410.476

RL 147.33 LAL .00 LOL 76.71 VL 27.573 GAL -4.86 AZL 86.54 MCA 196.66 SMA 127.45 ECC .17705 INC 3.4613 V1 30.240
 RP 108.79 LAP -.99 LOP 273.34 VP 37.397 GAP 5.77 A7P 93.32 TAL 203.75 TAP 40.41 RCA 104.89 APO 150.02 V2 34.834
 RC 127.413 GL 25.20 GP -.60 ZAL 123.01 ZAP 146.72 ETS 356.91 ZAE 134.39 ETE 181.96 ZAC 43.43 ETC 156.20 CLP-146.73

PLANETOCENTRIC CONIC

C3 15.182 VHL 3.896 OLA 6.52 RAL 305.57 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 4.327 OPA -21.74 RAP 309.82 ECC 1.2499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 3 2354.08 -22.69 50.52 164.22 107.41 2 24 17 1754.1 -20.10 42.81
 90.00 15 20 49 4591.11 12.31 194.16 161.71 64.30 16 37 20 3991.1 8.75 187.29
 100.00 3 9 30 2081.71 -23.69 30.13 163.86 108.78 3 44 12 1481.7 -20.91 22.44
 100.00 16 39 3 4338.72 13.25 175.13 161.23 62.96 17 51 22 3738.7 9.52 168.32
 110.00 4 24 51 1845.90 -26.36 11.11 162.75 112.59 4 55 37 1245.9 -23.07 3.50
 110.00 17 40 12 4147.29 15.75 159.17 159.81 59.26 18 49 19 3547.3 11.56 152.58

DIFFERENTIAL CORRECTIONS

TDE .9333 TRA-1.1956 TC3-4.1225 BAU .8378
 RDE .0362 RRA .0298 RC3 .2042 FAU .09314
 FDE 1.3446 FRA -.3651 FC3-5.3110 BSP 12318
 BDE .9340 BRA 1.1959 BC3 4.1275 FSP -1332

MID-COURSE EXECUTION ACCURACY

SGT 3916.0 SGR 173.5 SG3 399.0
 RRT -.7597 RRF -.7202 RTF .9380
 SGB 3919.9 R23 .0109 R13 -.9381
 SG1 3918.3 SG2 112.8 THA 178.07

ORBIT DETERMINATION ACCURACY

ST 1474.6 SR 55.1 SS 743.1
 CRT .8078 CRS -.9368 CST -.9592
 LSA 1641.1 MSA 191.1 SSA 7.6
 EL1 1475.3 EL2 32.5 ALF 1.73

LAUNCH DATE DEC 9 1965

FLIGHT TIME 142.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 416.423

RL 147.33 LAL .00 LOL 76.71 VL 27.527 GAL -4.62 AZL 86.55 HCA 199.83 SMA 127.14 ECC .17759 INC 3.4499 V1 30.240
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.356 GAP 6.02 AZP 93.25 TAL 202.56 TAP 42.18 RCA 104.56 APO 149.72 V2 34.826
 RC 129.747 GL 25.36 GP -.49 ZAL 121.29 ZAP 148.41 ETS 357.10 ZAE 133.72 ETE 181.86 ZAC 44.78 ETC 156.94 CLP-148.41

PLANETOCENTRIC CONIC

C3 14.861 VHL 3.855 DLA 7.14 RAL 307.23 RAD 6567.6 VEL 11.672 PTH 2.05 VMP 4.438 DPA -21.30 RAP 311.36 ECC 1.2446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 56 2368.85 -22.99 51.50 165.73 107.00 2 26 25 1768.8 -20.44 43.75
 90.00 15 32 10 4566.78 11.59 192.74 163.03 63.98 16 48 17 3966.8 8.00 185.90
 100.00 3 11 41 2095.47 -23.99 31.04 165.38 108.39 3 46 37 1495.5 -21.26 23.31
 100.00 16 50 6 4315.39 12.53 173.77 162.55 62.64 18 2 1 3715.4 8.76 167.01
 110.00 4 27 44 1857.47 -26.66 11.88 164.29 112.23 4 58 42 1257.5 -23.41 4.23
 110.00 17 50 32 4126.16 15.02 157.98 161.12 58.92 18 59 18 3526.2 10.79 151.43

DIFFERENTIAL CORRECTIONS

TDE .9554 TRA-1.1783 TC3-4.3768 BAU .8707
 RDE .0466 RRA .0245 RC3 .2256 FAU .08995
 FDE 1.2672 FRA -.3044 FC3-5.2403 BSP 13130
 BDE .9566 BRA 1.1786 BC3 4.3827 FSP -1354

MID-COURSE EXECUTION ACCURACY

SGT 4064.4 SGR 190.8 SG3 387.1
 RRT -.7137 RRF -.6891 RTF .9397
 SGB 4068.9 R23 .0253 R13 -.9397
 SG1 4066.7 SG2 133.6 THA 178.08

ORBIT DETERMINATION ACCURACY

ST 1518.9 SR 70.3 SS 725.6
 CRT .8612 CRS -.9642 CST -.9600
 LSA 1674.3 MSA 187.1 SSA 9.1
 EL1 1520.1 EL2 35.7 ALF 2.28

LAUNCH DATE DEC 9 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 422.361

RL 147.33 LAL .00 LOL 76.71 VL 27.481 GAL -4.37 AZL 86.56 HCA 202.99 SMA 126.84 ECC .17821 INC 3.4415 V1 30.240
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.316 GAP 6.25 AZP 93.17 TAL 200.92 TAP 43.92 RCA 104.23 APO 149.44 V2 34.819
 RC 132.074 GL 25.53 GP -.42 ZAL 119.46 ZAP 149.99 ETS 357.25 ZAE 133.14 ETE 181.42 ZAC 46.23 ETC 157.65 CLP-150.00

PLANETOCENTRIC CONIC

C3 14.562 VHL 3.816 DLA 7.81 RAL 308.98 RAD 6567.6 VEL 11.660 PTH 2.05 VMP 4.550 DPA -20.86 RAP 312.98 ECC 1.2396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 41 2385.77 -23.32 52.63 167.37 106.53 2 28 27 1785.8 -20.83 44.84
 90.00 15 44 22 4540.80 10.81 191.23 164.47 63.67 17 0 3 3940.8 7.18 184.43
 100.00 3 13 48 2111.29 -24.33 32.10 167.03 107.93 3 48 59 1511.3 -21.65 24.33
 100.00 17 1 57 4290.52 11.74 172.34 163.99 62.31 18 13 27 3690.5 7.95 165.61
 110.00 4 30 38 1870.84 -27.01 12.77 165.96 111.80 5 1 48 1270.8 -23.80 5.07
 110.00 18 1 36 4103.72 14.22 156.73 162.54 58.58 19 10 0 3503.7 9.96 150.22

DIFFERENTIAL CORRECTIONS

TDE 1.0352 TRA-1.0997 TC3-4.4848 BAU .8743
 RDE .0551 RRA .0170 RC3 .2412 FAU .08182
 FDE 1.2974 FRA -.1388 FC3-4.8642 BSP 12641
 BDE 1.0366 BRA 1.0998 BC3 4.4913 FSP -1153

MID-COURSE EXECUTION ACCURACY

SGT 4112.0 SGR 203.4 SG3 362.7
 RRT -.6508 RRF -.6179 RTF .9319
 SGB 4117.1 R23 .0140 R13 -.9319
 SG1 4114.2 SG2 154.4 THA 178.15

ORBIT DETERMINATION ACCURACY

ST 1635.9 SR 83.2 SS 767.4
 CRT .9114 CRS -.9846 CST -.9615
 LSA 1798.4 MSA 194.2 SSA 9.8
 EL1 1637.7 EL2 34.2 ALF 2.66

LAUNCH DATE DEC 9 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 428.280

RL 147.33 LAL .00 LOL 76.71 VL 27.435 GAL -4.10 AZL 86.56 HCA 206.16 SMA 126.53 ECC .17894 INC 3.4351 V1 30.240
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.275 GAP 6.49 AZP 93.08 TAL 199.47 TAP 45.63 RCA 103.89 APO 149.17 V2 34.812
 RC 134.395 GL 25.70 GP -.36 ZAL 117.54 ZAP 151.51 ETS 357.39 ZAE 132.61 ETE 181.22 ZAC 47.76 ETC 158.32 CLP-151.51

PLANETOCENTRIC CONIC

C3 14.291 VHL 3.780 DLA 8.52 RAL 310.81 RAD 6567.6 VEL 11.648 PTH 2.04 VMP 4.664 DPA -20.40 RAP 314.69 ECC 1.2352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 25 2404.48 -23.68 53.88 169.14 106.00 2 30 30 1804.5 -21.26 46.05
 90.00 15 57 15 4513.77 9.99 189.67 166.03 63.36 17 12 29 3913.8 6.33 182.90
 100.00 3 15 54 2128.79 -24.69 33.27 168.81 107.41 3 51 23 1528.8 -22.07 25.45
 100.00 17 14 27 4264.70 10.92 170.86 165.54 62.00 18 25 32 3664.7 7.09 164.17
 110.00 4 33 34 1885.72 -27.38 13.77 167.75 111.32 5 5 0 1285.7 -24.23 6.01
 110.00 18 13 17 4080.53 13.40 155.44 164.08 58.25 19 21 17 3480.5 9.10 148.97

DIFFERENTIAL CORRECTIONS

TDE 1.0722 TRA-1.0583 TC3-4.7085 BAU .9009
 RDE .0647 RRA .0103 RC3 .2587 FAU .07825
 FDE 1.2471 FRA -.0693 FC3-4.7402 BSP 13212
 BDE 1.0742 BRA 1.0584 BC3 4.7156 FSP -1142

MID-COURSE EXECUTION ACCURACY

SGT 4236.2 SGR 219.3 SG3 350.2
 RRT -.6055 RRF -.5819 RTF .9320
 SGB 4241.8 R23 .0209 R13 -.9320
 SG1 4238.2 SG2 174.5 THA 178.20

ORBIT DETERMINATION ACCURACY

ST 1699.7 SR 98.3 SS 762.9
 CRT .9357 CRS -.9911 CST -.9628
 LSA 1855.8 MSA 191.2 SSA 11.1
 EL1 1702.2 EL2 34.6 ALF 3.10

LAUNCH DATE DEC 9 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 434.185

RL 147.33 LAL .00 LOL 76.71 VL 27.389 GAL -3.83 AZL 86.57 HCA 209.33 SMA 126.22 ECC .17977 INC 3.4299 V1 30.240
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.236 GAP 6.72 AZP 92.99 TAL 197.99 TAP 47.32 RCA 103.53 APO 148.91 V2 34.806
 RC 136.709 GL 25.86 GP -.31 ZAL 115.53 ZAP 152.94 ETS 357.52 ZAE 132.15 ETE 181.05 ZAC 49.38 ETC 158.96 CLP-152.94

PLANETOCENTRIC CONIC

C3 14.047 VHL 3.748 DLA 9.27 RAL 312.74 RAD 6567.6 VEL 11.638 PTH 2.04 VMP 4.779 DPA -19.92 RAP 316.46 ECC 1.2312
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 8 2425.01 -24.06 55.27 171.04 105.41 2 32 33 1825.0 -21.71 47.38
 90.00 16 10 53 4485.66 9.12 188.06 167.71 63.08 17 25 39 3885.7 5.44 181.31
 100.00 3 18 1 2148.02 -25.07 34.57 170.72 106.83 3 53 49 1548.0 -22.53 26.70
 100.00 17 27 41 4237.88 10.06 169.34 167.22 61.70 18 38 19 3637.9 6.20 162.68
 110.00 4 36 36 1902.12 -27.78 14.87 169.69 110.77 5 8 18 1302.1 -24.70 7.06
 110.00 18 25 36 4056.54 12.53 154.11 165.75 57.93 19 33 12 3456.5 8.21 147.69

DIFFERENTIAL CORRECTIONS

TDE 1.1184 TRA-1.0030 TC3-4.9101 BAU .9235
 RDE .0738 RRA .0030 RC3 .2741 FAU .07431
 FDE 1.2114 FRA .0078 FC3-4.5798 BSP 13619
 BDE 1.1208 BRA 1.0030 BC3 4.9178 FSP -1107

MID-COURSE EXECUTION ACCURACY

SGT 4345.5 SGR 234.5 SG3 337.0
 RRT -.5602 RRF -.5429 RTF .9311
 SGB 4351.8 R23 .0244 R13 -.9312
 SG1 4347.5 SG2 194.1 THA 178.27

ORBIT DETERMINATION ACCURACY

ST 1775.5 SR 113.0 SS 765.8
 CRT .9547 CRS -.9939 CST -.9644
 LSA 1877.6 MSA 188.8 SSA 12.2
 EL1 1778.8 EL2 33.5 ALF 3.48

LAUNCH DATE DEC 9 1965 FLIGHT TIME 150.00 ARRIVAL DATE MAY 8 1966

DISTANCE 440.076

HELIOCENTRIC CONIC
RL 147.33 LAL .00 LOL 76.71 VL 27.342 GAL -3.55 AZL 86.57 MCA 212.49 SMA 125.92 ECC .18070 INC 3.4257 VI 30.240
RP 108.89 LAP -1.84 LOP 289.16 VP 37.197 GAP 6.95 AZP 92.89 TAL 196.49 TAP 48.98 RCA 103.16 APO 148.67 V2 34.801
RC 139.015 GL 26.00 GP -.28 ZAL 113.41 ZAP 154.31 ETS 357.65 ZAE 131.74 ETE 180.90 ZAC 51.07 ETC 159.57 CLP-154.31

PLANETOCENTRIC CONIC
C3 13.833 VHL 3.719 DLA 10.06 RAL 314.75 RAD 6567.5 VEL 11.628 PTH 2.04 VMP 4.896 DPA -19.42 RAP 318.29 ECC 1.2277
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 53 52 2447.33 -24.45 56.78 173.08 104.74 2 34 39 1847.3 -22.19 48.84
90.00 16 25 15 4456.59 8.22 186.39 169.53 62.81 17 39 32 3856.6 4.51 179.68
100.00 3 20 11 2168.94 -25.48 35.99 172.77 106.19 3 56 20 1568.9 -23.01 28.06
100.00 17 41 37 4210.22 9.17 167.78 169.03 61.42 18 51 48 3610.2 5.28 161.14
110.00 4 39 44 1920.01 -28.21 16.09 171.77 110.16 5 11 44 1320.0 -25.20 8.21
110.00 18 38 34 4031.91 11.64 152.77 167.55 57.63 19 45 46 3431.9 7.28 146.38

DIFFERENTIAL CORRECTIONS
TDE 1.1696 TRA -.9383 TC3-5.0994 BAU .9446
ROE .0826 RRA -.0046 RC3 .2878 FAU .07043
FOE 1.1829 FRA .0835 FC3-4.4075 BSP 13977
BOE 1.1725 BRA .9383 BC3 5.1075 FSP -1068

MID-COURSE EXECUTION ACCURACY
SGT 4448.6 SGR 249.1 SG3 324.3
RRT -.5163 RRF -.5038 RTF .9300
SGB 4455.5 R23 .0263 R13 -.9300
SGI 4450.4 SG2 213.3 TMA 178.34

ORBIT DETERMINATION ACCURACY
ST 1858.3 SR 127.4 SS 772.2
CRT .9692 CRS -.9938 CST -.9662
LSA 2007.7 MSA 186.2 SSA 13.3
ELI 1862.4 EL2 31.3 ALF 3.80

LAUNCH DATE DEC 9 1965 FLIGHT TIME 152.00 ARRIVAL DATE MAY 10 1966

DISTANCE 445.953

HELIOCENTRIC CONIC
RL 147.33 LAL .00 LOL 76.71 VL 27.295 GAL -3.26 AZL 86.58 MCA 215.66 SMA 125.61 ECC .18176 INC 3.4222 VI 30.240
RP 108.90 LAP -1.99 LOP 292.32 VP 37.158 GAP 7.18 AZP 92.78 TAL 194.97 TAP 50.62 RCA 102.78 APO 148.44 V2 34.797
RC 141.312 GL 26.12 GP -.25 ZAL 111.20 ZAP 155.62 ETS 357.77 ZAE 131.38 ETE 180.77 ZAC 52.82 ETC 160.15 CLP-155.62

PLANETOCENTRIC CONIC
C3 13.652 VHL 3.695 DLA 10.88 RAL 316.87 RAD 6567.5 VEL 11.621 PTH 2.04 VMP 5.015 DPA -18.88 RAP 320.17 ECC 1.2247
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 53 37 2471.45 -24.86 58.43 175.27 104.01 2 36 49 1871.5 -22.69 50.43
90.00 16 40 22 4426.71 7.29 184.70 171.50 62.56 17 54 9 3826.7 3.56 178.00
100.00 3 22 25 2191.55 -25.90 37.54 174.97 105.47 3 58 56 1591.6 -23.52 29.55
100.00 17 56 16 4181.84 8.24 166.18 170.99 61.16 19 5 58 3581.8 4.33 159.58
110.00 4 43 0 1939.39 -28.65 17.42 174.00 109.49 5 15 19 1339.4 -25.73 9.46
110.00 18 52 10 4006.77 10.72 151.40 169.49 57.35 19 58 57 3406.8 6.34 145.05

DIFFERENTIAL CORRECTIONS
TDE 1.2239 TRA -.8647 TC3-5.2784 BAU .9649
ROE .0911 RRA -.0127 RC3 .2996 FAU .06674
FOE 1.1568 FRA .1564 FC3-4.2321 BSP 14310
BOE 1.2273 BRA .8648 BC3 5.2869 FSP -1029

MID-COURSE EXECUTION ACCURACY
SGT 4547.6 SGR 263.4 SG3 312.2
RRT -.4744 RRF -.4664 RTF .9289
SGB 4555.3 R23 .0279 R13 -.9290
SGI 4549.4 SG2 231.8 TMA 178.42

ORBIT DETERMINATION ACCURACY
ST 1945.1 SR 141.6 SS 779.0
CRT .9799 CRS -.9916 CST -.9680
LSA 2092.0 MSA 183.2 SSA 14.3
ELI 1950.0 EL2 28.2 ALF 4.08

LAUNCH DATE DEC 9 1965 FLIGHT TIME 154.00 ARRIVAL DATE MAY 12 1966

DISTANCE 451.816

HELIOCENTRIC CONIC
RL 147.33 LAL .00 LOL 76.71 VL 27.249 GAL -2.96 AZL 86.58 MCA 218.82 SMA 125.31 ECC .18293 INC 3.4191 VI 30.240
RP 108.92 LAP -2.14 LOP 295.48 VP 37.120 GAP 7.41 AZP 92.67 TAL 193.42 TAP 52.24 RCA 102.39 APO 148.23 V2 34.793
RC 143.598 GL 26.21 GP -.23 ZAL 108.90 ZAP 156.87 ETS 357.89 ZAE 131.06 ETE 180.66 ZAC 54.63 ETC 160.71 CLP-156.87

PLANETOCENTRIC CONIC
C3 13.507 VHL 3.675 DLA 11.73 RAL 319.08 RAD 6567.5 VEL 11.614 PTH 2.04 VMP 5.137 DPA -18.32 RAP 322.09 ECC 1.2223
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 57 26 2497.37 -25.27 60.22 177.62 103.21 2 39 3 1897.4 -23.21 52.16
90.00 16 56 13 4396.14 6.33 182.96 173.61 62.34 18 9 29 3796.1 2.57 176.29
100.00 3 24 43 2215.85 -26.33 39.22 177.33 104.69 4 1 39 1615.8 -24.05 31.16
100.00 18 11 37 4152.89 7.28 164.56 173.09 60.93 19 20 50 3552.9 3.35 157.98
110.00 4 46 23 1960.22 -29.12 18.86 176.38 108.75 5 19 5 1360.2 -26.28 10.83
110.00 19 6 25 3981.28 9.78 150.02 171.58 57.08 20 12 46 3381.3 5.37 143.70

DIFFERENTIAL CORRECTIONS
TDE 1.2816 TRA -.7830 TC3-5.4429 BAU .9845
ROE .0995 RRA -.0209 RC3 .3094 FAU .06320
FOE 1.1332 FRA .2250 FC3-4.0507 BSP 14637
BOE 1.2854 BRA .7833 BC3 5.4517 FSP -994

MID-COURSE EXECUTION ACCURACY
SGT 4642.5 SGR 277.2 SG3 300.7
RRT -.4340 RRF -.4302 RTF .9280
SGB 4650.7 R23 .0291 R13 -.9280
SGI 4644.0 SG2 249.7 TMA 178.51

ORBIT DETERMINATION ACCURACY
ST 2036.2 SR 155.5 SS 786.5
CRT .9874 CRS -.9878 CST -.9700
LSA 2180.9 MSA 179.6 SSA 15.3
ELI 2042.0 EL2 24.5 ALF 4.31

LAUNCH DATE DEC 9 1965 FLIGHT TIME 156.00 ARRIVAL DATE MAY 14 1966

DISTANCE 457.665

HELIOCENTRIC CONIC
RL 147.33 LAL .00 LOL 76.71 VL 27.202 GAL -2.64 AZL 86.58 MCA 221.98 SMA 125.01 ECC .18424 INC 3.4165 VI 30.240
RP 108.93 LAP -2.28 LOP 298.64 VP 37.083 GAP 7.64 AZP 92.54 TAL 191.86 TAP 53.84 RCA 101.98 APO 148.04 V2 34.790
RC 145.874 GL 26.25 GP -.21 ZAL 106.50 ZAP 158.08 ETS 358.01 ZAE 130.79 ETE 180.56 ZAC 56.49 ETC 161.24 CLP-158.08

PLANETOCENTRIC CONIC
C3 13.402 VHL 3.661 DLA 12.60 RAL 321.39 RAD 6567.5 VEL 11.610 PTH 2.03 VMP 5.261 DPA -17.73 RAP 324.06 ECC 1.2206
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 59 17 2525.07 -25.69 62.14 180.12 102.34 2 41 23 1925.1 -23.74 54.02
90.00 17 12 48 4365.02 5.34 181.21 175.88 62.15 18 25 33 3765.0 1.57 174.56
100.00 3 27 7 2241.82 -26.76 41.03 179.85 103.83 4 4 29 1641.8 -24.60 32.90
100.00 18 27 39 4123.51 6.31 162.92 175.35 60.72 19 36 23 3523.5 2.36 156.36
110.00 4 49 59 1982.52 -29.60 20.42 178.93 107.94 5 23 2 1382.5 -26.86 12.31
110.00 19 21 16 3955.57 8.83 148.65 173.82 56.84 20 27 12 3355.6 4.40 142.35

DIFFERENTIAL CORRECTIONS
TDE 1.3438 TRA -.6914 TC3-5.5874 BAU 1.0027
ROE .1077 RRA -.0293 RC3 .3168 FAU .05974
FOE 1.1130 FRA .2923 FC3-3.8993 BSP 14907
BOE 1.3481 BRA .6920 BC3 5.5963 FSP -954

MID-COURSE EXECUTION ACCURACY
SGT 4731.6 SGR 290.5 SG3 289.7
RRT -.3947 RRF -.3942 RTF .9269
SGB 4740.5 R23 .0296 R13 -.9270
SGI 4733.0 SG2 266.8 TMA 178.61

ORBIT DETERMINATION ACCURACY
ST 2132.9 SR 169.2 SS 795.3
CRT .9924 CRS -.9826 CST -.9720
LSA 2275.7 MSA 175.9 SSA 16.2
ELI 2139.5 EL2 20.7 ALF 4.50

LAUNCH DATE DEC 9 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 465.500

RL 147.33 LAL .00 LOL 76.71 VL 27.156 GAL -2.32 AZL 86.59 MCA 225.14 SMA 124.71 ECC .18568 INC 3.4142 V1 30.240
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.047 GAP 7.87 AZP 92.41 TAL 190.28 TAP 55.42 RCA 101.56 APO 147.87 V2 34.787
 RC 148.138 GL 26.26 GP -.19 ZAL 104.01 ZAP 159.23 ETS 358.13 ZAE 130.55 ETE 180.48 ZAC 58.40 ETC 161.74 CLP-159.23

PLANETOCENTRIC CONIC

C3 13.340 VHL 3.652 DLA 13.48 RAL 323.80 RAD 6567.5 VEL 11.607 PTH 2.03 VMP 5.387 OPA -17.10 RAP 326.05 ECC 1.2195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 14 2554.55 -26.10 64.20 182.79 101.38 2 43 48 1954.6 -24.27 56.01
 90.00 17 30 5 4333.54 4.34 179.44 178.32 61.99 18 42 19 3733.5 .56 172.80
 100.00 3 29 38 2269.44 -27.20 42.96 182.53 102.90 4 7 27 1669.4 -25.15 34.76
 100.00 18 44 22 4093.89 5.32 161.28 177.78 60.54 19 52 36 3493.9 1.36 154.74
 110.00 4 53 45 2006.23 -30.08 22.10 181.65 107.06 5 27 11 1406.2 -27.45 13.89
 110.00 19 36 44 3929.86 7.86 147.27 176.21 56.63 20 42 14 3329.9 3.42 141.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4071 TRA -.5932 TC3-5.7184 BAU 1.0215 SGT 4820.5 SGR 303.4 SG3 279.3 ST 2229.4 SR 182.8 SS 802.3
 RDE .1159 RRA -.0377 RC3 .3219 FAU .05657 RRT -.3575 RRF -.3608 RTF .9264 CRT .9951 CRS -.9765 CST -.9739
 FDE 1.0921 FRA .3539 FC3-3.6714 BSP 15226 SGB 4830.0 R23 .0305 R13 -.9264 LSA 2370.2 MSA 171.7 SSA 17.1
 BOE 1.4119 BRA .5944 BC3 5.7275 FSP -924 SG1 4821.7 SG2 283.3 TMA 178.71 EL1 2236.9 EL2 18.1 ALF 4.67

LAUNCH DATE DEC 9 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 469.320

RL 147.33 LAL .00 LOL 76.71 VL 27.109 GAL -1.99 AZL 86.59 MCA 228.30 SMA 124.42 ECC .18728 INC 3.4121 V1 30.240
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.011 GAP 8.11 AZP 92.27 TAL 188.68 TAP 56.98 RCA 101.12 APO 147.72 V2 34.786
 RC 150.390 GL 26.21 GP -.17 ZAL 101.44 ZAP 160.35 ETS 358.25 ZAE 130.35 ETE 180.41 ZAC 60.36 ETC 162.22 CLP-160.35

PLANETOCENTRIC CONIC

C3 13.327 VHL 3.651 DLA 14.39 RAL 326.31 RAD 6567.5 VEL 11.607 PTH 2.03 VMP 5.517 OPA -16.45 RAP 328.08 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 15 2585.78 -26.50 66.40 185.63 100.35 2 46 20 1985.8 -24.81 58.14
 90.00 17 48 4 4301.88 3.32 177.67 180.92 61.86 18 59 46 3701.9 -.47 171.04
 100.00 3 32 16 2298.67 -27.63 45.03 185.38 101.89 4 10 35 1698.7 -25.71 36.76
 100.00 19 1 43 4064.22 4.32 159.64 180.37 60.39 20 9 28 3464.2 .35 153.11
 110.00 4 57 43 2031.33 -30.57 23.89 184.54 106.10 5 31 34 1431.3 -28.06 15.59
 110.00 19 52 46 3904.32 6.91 145.92 178.77 56.44 20 57 51 3304.3 2.45 139.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4738 TRA -.4860 TC3-5.8258 BAU 1.0396 SGT 4905.4 SGR 315.7 SG3 269.5 ST 2328.6 SR 196.3 SS 808.9
 RDE .1242 RRA -.0461 RC3 .3244 FAU .05354 RRT -.3214 RRF -.3283 RTF .9261 CRT .9958 CRS -.9698 CST -.9758
 FDE 1.0725 FRA .4124 FC3-3.4783 BSP 15532 SGB 4915.5 R23 .0311 R13 -.9261 LSA 2467.2 MSA 167.4 SSA 17.9
 BOE 1.4790 BRA .4881 BC3 5.8349 FSP -894 SG1 4906.4 SG2 298.9 TMA 178.81 EL1 2336.8 EL2 18.0 ALF 4.80

LAUNCH DATE DEC 9 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 475.126

RL 147.33 LAL .00 LOL 76.71 VL 27.063 GAL -1.64 AZL 86.59 MCA 231.47 SMA 124.13 ECC .18903 INC 3.4102 V1 30.240
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.976 GAP 8.35 AZP 92.13 TAL 187.06 TAP 58.53 RCA 100.66 APO 147.59 V2 34.785
 RC 152.629 GL 26.11 GP -.16 ZAL 98.79 ZAP 161.42 ETS 358.38 ZAE 130.18 ETE 180.34 ZAC 62.36 ETC 162.66 CLP-161.42

PLANETOCENTRIC CONIC

C3 13.366 VHL 3.656 DLA 15.29 RAL 328.91 RAD 6567.5 VEL 11.608 PTH 2.03 VMP 5.651 OPA -15.77 RAP 330.13 ECC 1.2200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 22 2618.69 -26.89 68.73 188.63 99.24 2 49 1 2018.7 -25.33 60.41
 90.00 18 6 42 4270.24 2.30 175.90 183.69 61.77 19 17 52 3670.2 -1.49 169.27
 100.00 3 35 3 2329.45 -28.04 47.23 188.40 100.81 4 13 53 1729.4 -26.26 38.88
 100.00 19 19 42 4034.72 3.33 158.02 183.12 60.28 20 26 56 3434.7 -.65 151.49
 110.00 5 1 54 2057.73 -31.05 25.80 187.61 105.07 5 36 11 1457.7 -28.67 17.40
 110.00 20 9 21 3879.20 5.96 144.59 181.49 56.28 21 14 0 3279.2 1.49 138.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5438 TRA -.3697 TC3-5.9061 BAU 1.0570 SGT 4986.4 SGR 327.4 SG3 260.1 ST 2429.6 SR 209.7 SS 815.4
 RDE .1327 RRA -.0544 RC3 .3241 FAU .05064 RRT -.2862 RRF -.2962 RTF .9259 CRT .9948 CRS -.9624 CST -.9777
 FDE 1.0546 FRA .4686 FC3-3.2800 BSP 15815 SGB 4997.1 R23 .0314 R13 -.9259 LSA 2566.1 MSA 163.4 SSA 18.6
 BOE 1.5495 BRA .3737 BC3 5.9150 FSP -865 SG1 4987.3 SG2 313.6 TMA 178.92 EL1 2438.6 EL2 21.2 ALF 4.91

LAUNCH DATE DEC 9 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 480.916

RL 147.33 LAL .00 LOL 76.71 VL 27.017 GAL -1.28 AZL 86.59 MCA 234.63 SMA 123.84 ECC .19095 INC 3.4085 V1 30.240
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.943 GAP 8.59 AZP 91.97 TAL 185.43 TAP 60.06 RCA 100.19 APO 147.49 V2 34.784
 RC 154.855 GL 25.95 GP -.15 ZAL 96.06 ZAP 162.47 ETS 358.50 ZAE 130.03 ETE 180.29 ZAC 64.39 ETC 163.09 CLP-162.47

PLANETOCENTRIC CONIC

C3 13.464 VHL 3.669 DLA 16.20 RAL 331.60 RAD 6567.5 VEL 11.612 PTH 2.03 VMP 5.788 OPA -15.05 RAP 332.20 ECC 1.2216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 36 2653.22 -27.24 71.20 191.80 98.05 2 51 49 2053.2 -25.84 62.81
 90.00 18 25 57 4238.88 1.29 174.15 186.63 61.71 19 36 36 3638.9 -2.50 167.52
 100.00 3 38 0 2361.70 -28.43 49.54 191.59 99.65 4 17 22 1761.7 -26.80 41.12
 100.00 19 38 14 4005.64 2.35 156.42 186.05 60.19 20 44 59 3405.6 -1.64 149.90
 110.00 5 6 19 2085.37 -31.52 27.81 190.85 103.96 5 41 4 1485.4 -29.28 19.32
 110.00 20 26 24 3854.73 5.03 143.30 184.38 56.14 21 30 39 3254.7 .55 137.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6195 TRA -.2412 TC3-5.9478 BAU 1.0721 SGT 5059.7 SGR 338.3 SG3 250.9 ST 2534.9 SR 223.0 SS 823.0
 RDE .1414 RRA -.0625 RC3 .3207 FAU .04770 RRT -.2507 RRF -.2625 RTF .9253 CRT .9924 CRS -.9546 CST -.9795
 FDE 1.0402 FRA .5253 FC3-3.0669 BSP 16023 SGB 5071.0 R23 .0305 R13 -.9254 LSA 2669.6 MSA 159.9 SSA 19.2
 BOE 1.6256 BRA .2492 BC3 5.9564 FSP -831 SG1 5060.4 SG2 327.5 TMA 179.04 EL1 2544.6 EL2 27.3 ALF 4.99

LAUNCH DATE DEC 9 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 26.971 GAL -.91 AZL 86.59 MCA 237.79 SMA 123.56 ECC .19305 INC 3.4068 V1 30.240
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.910 GAP 8.84 AZP 91.82 TAL 183.79 TAP 61.58 RCA 99.70 APO 147.41 V2 34.785
 RC 157.067 GL 25.73 GP -.14 ZAL 93.27 ZAP 163.48 ETS 358.62 ZAE 129.91 ETE 180.25 ZAC 66.46 ETC 163.49 CLP-163.48

PLANETOCENTRIC CONIC
 C3 13.626 VHL 3.691 DLA 17.10 RAL 334.38 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 5.930 DPA -14.31 RAP 334.29 ECC 1.2243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 59 2689.24 -27.56 73.79 195.14 96.79 2 54 48 2089.2 -26.33 65.33
 90.00 18 45 43 4208.08 .30 172.43 189.75 61.68 19 55 51 3608.1 -3.49 165.80
 100.00 3 41 8 2395.28 -28.79 51.98 194.95 98.42 4 21 3 1795.3 -27.32 43.48
 100.00 19 57 15 3977.28 1.39 154.86 189.14 60.14 21 3 32 3377.3 -2.60 148.34
 110.00 5 11 0 2114.11 -31.98 29.93 194.26 102.78 5 46 14 1514.1 -29.89 21.34
 110.00 20 43 53 3831.21 4.14 142.07 187.42 56.04 21 47 44 3231.2 -1.35 135.86

DIFFERENTIAL CORRECTIONS
 TOE 1.6925 TRA -.1078 TC3-5.9729 BAU 1.0896 SGT 5135.8 SGR 348.8 SG3 242.4 ST 2630.9 SR 236.4 SS 825.0
 ROE .1506 RRA -.0702 RC3 .3147 FAU .04518 RRT -.2180 RRF -.2335 RTF .9260 CRT .9890 CR5 -.9468 CST -.9810
 FDE 1.0207 FRA .5750 FC3-2.8708 BSP 16342 SGB 5147.6 R23 .0316 R13 -.9260 LSA 2762.8 MSA 156.3 SSA 19.7
 BOE 1.6992 BRA .1287 BC3 5.9811 FSP -.810 SG1 5136.4 SG2 340.4 TMA 179.15 EL1 2641.3 EL2 34.8 ALF 5.08

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 26.926 GAL -.52 AZL 86.59 MCA 240.95 SMA 123.28 ECC .19535 INC 3.4053 V1 30.240
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.878 GAP 9.09 AZP 91.66 TAL 182.14 TAP 63.09 RCA 99.19 APO 147.36 V2 34.786
 RC 159.265 GL 25.44 GP -.13 ZAL 90.43 ZAP 164.46 ETS 358.75 ZAE 129.81 ETE 180.22 ZAC 68.56 ETC 163.86 CLP-164.46

PLANETOCENTRIC CONIC
 C3 13.860 VHL 3.723 DLA 17.98 RAL 337.24 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 6.077 DPA -13.55 RAP 336.39 ECC 1.2281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 31 2726.63 -27.83 76.49 198.63 95.46 2 57 57 2126.6 -26.78 67.98
 90.00 19 5 58 4178.13 -.67 170.76 193.02 61.69 20 15 36 3578.1 -4.45 164.12
 100.00 3 44 29 2430.07 -29.11 54.51 198.47 97.12 4 24 59 1830.1 -27.82 45.95
 100.00 20 16 41 3949.92 .46 153.36 192.40 60.11 21 22 31 3349.9 -3.52 146.83
 110.00 5 15 58 2143.84 -32.40 32.15 197.84 101.54 5 51 42 1543.8 -30.47 23.46
 110.00 21 1 42 3808.92 3.29 140.90 190.63 55.96 22 5 10 3208.9 -1.20 134.69

DIFFERENTIAL CORRECTIONS
 TOE 1.7709 TRA .0364 TC3-5.9559 BAU 1.1050 SGT 5205.6 SGR 358.5 SG3 234.2 ST 2728.8 SR 249.7 SS 829.0
 ROE .1603 RRA -.0776 RC3 .3058 FAU .04261 RRT -.1846 RRF -.2016 RTF .9264 CRT .9847 CR5 -.9391 CST -.9826
 FDE 1.0061 FRA .6239 FC3-2.6618 BSP 16608 SGB 5217.9 R23 .0304 R13 -.9264 LSA 2858.7 MSA 153.5 SSA 20.1
 BOE 1.7782 BRA .0857 BC3 5.9638 FSP -.786 SG1 5206.0 SG2 352.3 TMA 179.27 EL1 2739.9 EL2 43.4 ALF 5.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 26.881 GAL -.12 AZL 86.60 MCA 244.11 SMA 123.00 ECC .19785 INC 3.4039 V1 30.240
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.846 GAP 9.35 AZP 91.49 TAL 180.47 TAP 64.58 RCA 98.66 APO 147.33 V2 34.788
 RC 161.449 GL 25.09 GP -.13 ZAL 87.55 ZAP 165.41 ETS 358.87 ZAE 129.73 ETE 180.19 ZAC 70.68 ETC 164.21 CLP-165.42

PLANETOCENTRIC CONIC
 C3 14.172 VHL 3.765 DLA 18.83 RAL 340.16 RAD 6567.6 VEL 11.643 PTH 2.04 VHP 6.229 DPA -12.75 RAP 338.50 ECC 1.2332
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 14 2765.20 -28.05 79.29 202.27 94.07 3 1 19 2165.2 -27.19 70.73
 90.00 19 26 34 4149.36 -1.60 169.16 196.46 61.72 20 35 44 3549.4 -5.36 162.50
 100.00 3 48 3 2465.88 -29.38 57.14 202.14 95.76 4 29 9 1865.9 -28.27 48.51
 100.00 20 36 26 3923.92 -.42 151.93 195.81 60.11 21 41 50 3323.9 -4.40 145.40
 110.00 5 21 13 2174.39 -32.79 34.44 201.58 100.23 5 57 28 1574.4 -31.04 25.66
 110.00 21 19 45 3788.18 2.50 139.81 193.99 55.90 22 22 53 3188.2 -1.99 133.61

DIFFERENTIAL CORRECTIONS
 TOE 1.8481 TRA .1811 TC3-5.9241 BAU 1.1238 SGT 5281.2 SGR 367.5 SG3 226.5 ST 2817.3 SR 263.1 SS 829.3
 ROE .1708 RRA -.0844 RC3 .2943 FAU .04057 RRT -.1529 RRF -.1719 RTF .9295 CRT .9800 CR5 -.9329 CST -.9844
 FDE .9900 FRA .6586 FC3-2.4783 BSP 17022 SGB 5293.9 R23 .0294 R13 -.9295 LSA 2944.7 MSA 149.4 SSA 20.4
 BOE 1.8560 BRA .1998 BC3 5.9314 FSP -.780 SG1 5281.5 SG2 363.2 TMA 179.39 EL1 2829.1 EL2 52.1 ALF 5.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 26.836 GAL .30 AZL 86.60 MCA 247.27 SMA 122.72 ECC .20058 INC 3.4026 V1 30.240
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.816 GAP 9.62 AZP 91.32 TAL 178.80 TAP 66.07 RCA 98.11 APO 147.34 V2 34.791
 RC 163.619 GL 24.66 GP -.12 ZAL 84.63 ZAP 166.35 ETS 358.99 ZAE 129.67 ETE 180.17 ZAC 72.83 ETC 164.54 CLP-166.35

PLANETOCENTRIC CONIC
 C3 14.572 VHL 3.817 DLA 19.65 RAL 343.14 RAD 6567.6 VEL 11.660 PTH 2.05 VHP 6.388 DPA -11.93 RAP 340.63 ECC 1.2398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 10 2804.79 -28.20 82.17 206.06 92.64 3 4 55 2204.8 -27.54 73.57
 90.00 19 47 26 4122.09 -2.47 167.63 200.06 61.78 20 56 8 3522.1 -6.23 160.97
 100.00 3 51 54 2502.54 -29.60 59.84 205.96 94.36 4 33 36 1902.5 -28.68 51.16
 100.00 20 56 23 3899.57 -1.25 150.60 199.38 60.13 22 1 23 3299.6 -5.22 144.05
 110.00 5 26 48 2205.60 -33.15 36.81 205.48 98.87 6 3 34 1605.6 -31.57 27.94
 110.00 21 37 58 3769.27 1.78 138.83 197.49 55.86 22 40 47 3169.3 -2.72 132.62

DIFFERENTIAL CORRECTIONS
 TOE 1.9381 TRA .3632 TC3-5.7929 BAU 1.1298 SGT 5325.1 SGR 375.6 SG3 218.2 ST 2917.2 SR 276.4 SS 834.6
 ROE .1818 RRA -.0909 RC3 .2798 FAU .03745 RRT -.1173 RRF -.1354 RTF .9263 CRT .9741 CR5 -.9237 CST -.9853
 FDE .9801 FRA .7239 FC3-2.2248 BSP 16922 SGB 5338.4 R23 .0264 R13 -.9263 LSA 3043.0 MSA 150.7 SSA 20.4
 BOE 1.9466 BRA .3744 BC3 5.7997 FSP -.724 SG1 5325.3 SG2 373.0 TMA 179.52 EL1 2929.6 EL2 62.2 ALF 5.28

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 509.605

RL 147.33 LAL .00 LOL 76.71 VL 26.791 GAL .74 AZL 86.60 MCA 250.44 SMA 122.45 ECC .20356 INC 3.4013 VI 30.240
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.787 GAP 9.90 AZP 91.14 TAL 177.11 TAP 67.55 RCA 97.53 APO 147.38 V2 34.794
 RC 165.775 GL 24.17 GP -.11 ZAL 81.70 ZAP 167.26 ETS 359.11 ZAE 129.63 ETE 180.15 ZAC 75.01 ETC 164.85 CLP-167.26

PLANETOCENTRIC CONIC

C3 15.069 VHL 3.882 DLA 20.43 RAL 346.17 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 6.553 OPA -11.09 RAP 342.76 ECC 1.2480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 21 2845.10 -28.30 85.12 209.97 91.16 3 8 46 2245.1 -27.83 76.48
 90.00 20 8 24 4096.73 -3.29 166.22 203.79 61.86 21 16 41 3496.7 -7.03 159.53
 100.00 3 56 2 2539.78 -29.76 62.60 209.91 92.91 4 38 22 1939.8 -29.04 53.87
 100.00 21 16 24 3877.29 -2.01 149.37 203.08 60.17 22 21 2 3277.3 -5.96 142.82
 110.00 5 32 44 2237.26 -33.45 39.23 209.52 97.47 6 10 1 1637.3 -32.06 30.28
 110.00 21 56 12 3752.57 1.14 137.96 201.12 55.83 22 58 45 3152.6 -3.35 131.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0176 TRA .5368 TC3-5.6751 BAU 1.1445
 ROE .1939 RRA -.0965 RC3 .2635 FAU .03530
 FOE .9620 FRA .7676 FC3-2.0283 BSP 17205
 BOE 2.0269 BRA .5454 BC3 5.6812 FSP -707

SGT 5384.8 SGR 383.2 SG3 210.9
 RRT -.0861 RRF -.1064 RTF .9274
 SGB 5398.4 R23 .0263 R13 -.9274
 SGI 5384.9 SG2 381.8 THA 179.65

ST 2991.7 SR 289.9 SS 830.1
 CRT .9685 CRS -.9165 CST -.9863
 LSA 3114.6 MSA 150.3 SSA 20.4
 EL1 3004.9 EL2 71.8 ALF 5.36

LAUNCH DATE DEC 9 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 515.281

RL 147.33 LAL .00 LOL 76.71 VL 26.747 GAL 1.19 AZL 86.60 MCA 253.60 SMA 122.19 ECC .20679 INC 3.4001 VI 30.240
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.759 GAP 10.19 AZP 90.96 TAL 175.43 TAP 69.03 RCA 96.92 APO 147.45 V2 34.798
 RC 167.915 GL 23.62 GP -.11 ZAL 78.77 ZAP 168.15 ETS 359.23 ZAE 129.60 ETE 180.14 ZAC 77.20 ETC 165.13 CLP-168.15

PLANETOCENTRIC CONIC

C3 15.674 VHL 3.959 DLA 21.17 RAL 349.23 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 6.726 OPA -10.23 RAP 344.89 ECC 1.2579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 49 2885.91 -28.32 88.10 213.99 89.67 3 12 55 2285.9 -28.06 79.45
 90.00 20 29 21 4073.64 -4.03 164.92 207.65 61.95 21 37 15 3473.6 -7.75 158.22
 100.00 4 0 30 2577.37 -29.86 65.39 213.98 91.45 4 43 27 1977.4 -29.34 56.62
 100.00 21 36 21 3857.42 -2.68 148.28 206.91 60.22 22 40 38 3257.4 -6.62 141.72
 110.00 5 39 0 2269.19 -33.71 41.69 213.68 96.04 6 16 49 1669.2 -32.51 32.66
 110.00 22 14 20 3738.35 .59 137.21 204.86 55.82 23 16 39 3138.4 -3.89 131.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1004 TRA .7229 TC3-5.5155 BAU 1.1569
 ROE .2069 RRA -.1013 RC3 .2454 FAU .03311
 FOE .9469 FRA .8104 FC3-1.8288 BSP 17418
 BOE 2.1105 BRA .7299 BC3 5.5210 FSP -685

SGT 5437.9 SGR 390.0 SG3 203.7
 RRT -.0541 RRF -.0747 RTF .9284
 SGB 5451.9 R23 .0243 R13 -.9284
 SGI 5437.9 SG2 389.4 THA 179.78

ST 3061.1 SR 303.2 SS 826.4
 CRT .9628 CRS -.9099 CST -.9874
 LSA 3181.5 MSA 150.6 SSA 20.2
 EL1 3075.0 EL2 81.5 ALF 5.45

LAUNCH DATE DEC 9 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 520.933

RL 147.33 LAL .00 LOL 76.71 VL 26.704 GAL 1.66 AZL 86.60 MCA 256.76 SMA 121.92 ECC .21031 INC 3.3989 VI 30.240
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.731 GAP 10.49 AZP 90.78 TAL 173.73 TAP 70.50 RCA 96.28 APO 147.57 V2 34.803
 RC 170.040 GL 23.00 GP -.10 ZAL 75.85 ZAP 169.03 ETS 359.35 ZAE 129.58 ETE 180.14 ZAC 79.41 ETC 165.39 CLP-169.03

PLANETOCENTRIC CONIC

C3 16.399 VHL 4.050 DLA 21.84 RAL 352.31 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 6.907 OPA -9.35 RAP 347.04 ECC 1.2699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 36 2926.91 -28.26 91.10 218.12 88.16 3 17 23 2326.9 -28.22 82.44
 90.00 20 50 7 4053.22 -4.68 163.78 211.63 62.04 21 57 40 3453.2 -8.39 157.06
 100.00 4 5 20 2615.04 -29.89 68.19 218.15 89.98 4 48 55 2015.0 -29.58 59.40
 100.00 21 56 5 3840.33 -3.26 147.34 210.84 60.27 23 0 5 3240.3 -7.19 140.76
 110.00 5 45 39 2301.20 -33.91 44.16 217.96 94.58 6 24 0 1701.2 -32.91 35.07
 110.00 22 32 15 3726.93 .16 136.62 208.71 55.82 23 34 22 3126.9 -4.33 130.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1837 TRA .9211 TC3-5.3222 BAU 1.1679
 ROE .2209 RRA -.1051 RC3 .2259 FAU .03100
 FOE .9319 FRA .8528 FC3-1.6364 BSP 17618
 BOE 2.1949 BRA .9271 BC3 5.3270 FSP -665

SGT 5486.2 SGR 396.0 SG3 196.7
 RRT -.0221 RRF -.0429 RTF .9295
 SGB 5500.5 R23 .0223 R13 -.9295
 SGI 5486.2 SG2 395.9 THA 179.91

ST 3120.9 SR 316.3 SS 820.9
 CRT .9571 CRS -.9037 CST -.9884
 LSA 3238.9 MSA 151.7 SSA 19.9
 EL1 3135.6 EL2 91.2 ALF 5.54

LAUNCH DATE DEC 9 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 526.559

RL 147.33 LAL .00 LOL 76.71 VL 26.660 GAL 2.16 AZL 86.60 MCA 259.93 SMA 121.67 ECC .21414 INC 3.3978 VI 30.240
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.705 GAP 10.81 AZP 90.59 TAL 172.04 TAP 71.97 RCA 95.61 APO 147.72 V2 34.808
 RC 172.148 GL 22.34 GP -.10 ZAL 72.95 ZAP 169.89 ETS 359.46 ZAE 129.57 ETE 180.14 ZAC 81.64 ETC 165.62 CLP-169.89

PLANETOCENTRIC CONIC

C3 17.260 VHL 4.155 DLA 22.46 RAL 355.39 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 7.097 OPA -8.45 RAP 349.18 ECC 1.2841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 47 2967.81 -28.14 94.09 222.32 86.67 3 22 14 2367.8 -28.30 85.43
 90.00 21 10 31 4035.85 -5.24 162.80 215.69 62.13 22 17 47 3435.8 -8.93 156.06
 100.00 4 10 33 2652.53 -29.86 70.98 222.40 88.51 4 54 46 2052.5 -29.75 62.17
 100.00 22 15 26 3826.36 -3.73 146.57 214.86 60.32 23 19 12 3226.4 -7.65 139.98
 110.00 5 52 40 2335.09 -34.06 46.64 222.33 93.12 6 31 33 1733.1 -33.25 37.50
 110.00 22 49 49 3718.57 -.16 136.18 212.64 55.82 23 51 47 3118.6 -4.65 129.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2694 TRA 1.1345 TC3-5.0939 BAU 1.1764
 ROE .2360 RRA -.1080 RC3 .2055 FAU .02889
 FOE .9183 FRA .8966 FC3-1.4489 BSP 17727
 BOE 2.2816 BRA 1.1396 BC3 5.0980 FSP -640

SGT 5529.6 SGR 401.3 SG3 190.2
 RRT .0104 RRF -.0102 RTF .9306
 SGB 5544.1 R23 -.0199 R13 .9306
 SGI 5529.6 SG2 401.3 THA .04

ST 3173.2 SR 329.1 SS 815.0
 CRT .9513 CRS -.8977 CST -.9893
 LSA 3289.0 MSA 153.8 SSA 19.5
 EL1 3188.6 EL2 100.9 ALF 5.64

LAUNCH DATE DEC 9 1965 FLIGHT TIME 182.00 ARRIVAL DATE JUN 9 1966

Heliocentric Conic
 RL 147.33 LAL .00 LOL 76.71 VL 26.617 GAL 2.67 AZL 86.60 MCA 263.09 SMA 121.41 ECC .21830 INC 3.3966 V1 30.240
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.679 GAP 11.14 AZP 90.41 TAL 170.34 TAP 73.44 RCA 94.91 APO 147.92 V2 34.814
 RC 174.239 GL 21.62 GP -.10 ZAL 70.08 ZAP 170.74 ETS 359.57 ZAE 129.57 ETE 180.15 ZAC 85.88 ETC 165.84 CLP-170.74

Planetocentric Conic
 C3 18.274 VHL 4.275 DLA 23.01 RAL 358.45 RAD 6567.7 VEL 11.818 PTH 2.09 VMP 7.298 DPA -7.53 RAP 351.33 ECC 1.3007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 22 3008.26 -27.94 97.03 226.58 85.21 3 27 31 2408.3 -28.31 88.39
 90.00 21 30 24 4021.93 -5.68 162.02 219.84 62.21 22 37 26 3421.9 -9.36 155.27
 100.00 4 16 13 2689.56 -29.76 73.72 226.72 87.07 5 1 3 2089.6 -29.85 64.92
 100.00 22 34 14 3815.87 -4.08 146.00 218.96 60.36 23 37 50 3215.9 -8.00 139.40
 110.00 6 0 3 2364.68 -34.15 49.11 226.78 91.67 6 39 28 1764.7 -33.54 39.92
 110.00 23 6 53 3713.50 -3.36 135.92 216.64 55.82 24 8 47 3113.5 -4.84 129.70

Differential Corrections
 TOE 2.3509 TRA 1.3563 TC3-4.8488 BAU 1.1854 SGT 5569.1 SGR 405.8 SG3 183.7 ST 3208.6 SR 341.4 SS 805.7
 RDE .2522 RRA -.1097 RC3 .1846 FAU .02695 RRT .0421 RRF .0215 RTF .9321 CRT .9458 CRS -.8921 CST -.9901
 FDE .9027 FRA .9372 FC3-1.2768 BSP 17912 SGB 5583.9 R23 -.0179 R13 .9320 LSA 3322.1 MSA 156.4 SSA 19.0
 BDE 2.3644 BRA 1.3608 BC3 4.8523 FSP -621 SG1 5569.1 SG2 405.4 THA .18 EL1 3224.8 EL2 110.4 ALF 5.75

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965 FLIGHT TIME 184.00 ARRIVAL DATE JUN 11 1966

Heliocentric Conic
 RL 147.33 LAL .00 LOL 76.71 VL 26.575 GAL 3.21 AZL 86.60 MCA 266.26 SMA 121.16 ECC .22283 INC 3.3955 V1 30.240
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.655 GAP 11.49 AZP 90.22 TAL 168.65 TAP 74.91 RCA 94.16 APO 148.16 V2 34.821
 RC 176.312 GL 20.87 GP -.09 ZAL 67.27 ZAP 171.58 ETS 359.67 ZAE 129.58 ETE 180.16 ZAC 86.14 ETC 166.03 CLP-171.58

Planetocentric Conic
 C3 19.458 VHL 4.411 DLA 23.50 RAL 1.49 RAD 6567.8 VEL 11.868 PTH 2.11 VMP 7.511 DPA -6.60 RAP 353.48 ECC 1.3202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 27 3047.95 -27.68 99.91 230.89 83.79 3 33 15 2447.9 -28.25 91.29
 90.00 21 49 35 4011.82 -6.00 161.45 224.03 62.27 22 56 27 3411.8 -9.67 154.69
 100.00 4 22 20 2725.87 -29.60 76.41 231.10 85.66 5 7 46 2125.9 -29.89 67.62
 100.00 22 32 22 3809.13 -4.31 145.62 223.10 60.39 23 55 51 3209.1 -8.22 139.02
 110.00 6 7 50 2395.85 -34.18 51.54 231.29 90.23 6 47 45 1795.8 -33.77 42.32
 110.00 23 23 22 3711.92 -.42 135.84 220.68 55.82 24 25 14 3111.9 -4.90 129.62

Differential Corrections
 TOE 2.4319 TRA 1.5922 TC3-4.5827 BAU 1.1929 SGT 5604.3 SGR 409.5 SG3 177.4 ST 3232.6 SR 353.1 SS 795.3
 RDE .2694 RRA -.1102 RC3 .1638 FAU .02507 RRT .0738 RRF .0535 RTF .9336 CRT .9402 CRS -.8868 CST -.9908
 FDE .8874 FRA .9781 FC3-1.1154 BSP 18076 SGB 5619.2 R23 -.0158 R13 .9336 LSA 3343.8 MSA 159.7 SSA 18.4
 BDE 2.4467 BRA 1.5960 BC3 4.5856 FSP -603 SG1 5604.4 SG2 408.4 THA .31 EL1 3249.6 EL2 119.6 ALF 5.87

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965 FLIGHT TIME 186.00 ARRIVAL DATE JUN 13 1966

Heliocentric Conic
 RL 147.33 LAL .00 LOL 76.71 VL 26.532 GAL 3.78 AZL 86.61 MCA 269.43 SMA 120.91 ECC .22777 INC 3.3944 V1 30.240
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.631 GAP 11.87 AZP 90.03 TAL 166.96 TAP 76.39 RCA 93.37 APO 148.45 V2 34.828
 RC 176.366 GL 20.08 GP -.09 ZAL 64.51 ZAP 172.42 ETS 359.76 ZAE 129.59 ETE 180.17 ZAC 88.40 ETC 166.20 CLP-172.42

Planetocentric Conic
 C3 20.838 VHL 4.565 DLA 23.91 RAL 4.49 RAD 6567.8 VEL 11.926 PTH 2.12 VMP 7.736 DPA -5.66 RAP 355.62 ECC 1.3429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 3 3086.55 -27.37 102.69 235.24 82.43 3 39 30 2486.5 -28.13 94.10
 90.00 22 7 53 4005.86 -6.19 161.11 228.26 62.31 23 14 39 3405.9 -9.85 154.34
 100.00 4 28 57 2761.23 -29.39 79.02 235.51 84.30 5 14 58 2161.2 -29.87 70.25
 100.00 23 9 41 3806.41 -4.40 145.47 227.28 60.40 24 13 7 3206.4 -8.31 138.87
 110.00 6 15 57 2426.45 -34.17 53.93 235.85 88.81 6 56 24 1826.5 -33.95 44.69
 110.00 23 39 10 3713.95 -.34 135.94 224.75 55.82 24 41 4 3113.9 -4.82 129.72

Differential Corrections
 TOE 2.5117 TRA 1.8414 TC3-4.3009 BAU 1.1988 SGT 5634.8 SGR 412.5 SG3 171.4 ST 3244.6 SR 364.1 SS 784.2
 RDE .2878 RRA -.1094 RC3 .1433 FAU .02326 RRT .1056 RRF .0858 RTF .9353 CRT .9348 CRS -.8818 CST -.9915
 FDE .8726 FRA 1.0188 FC3 -.9663 BSP 18228 SGB 5649.7 R23 -.0136 R13 .9353 LSA 3353.8 MSA 163.4 SSA 17.8
 BDE 2.5281 BRA 1.8447 BC3 4.3033 FSP -584 SG1 5634.8 SG2 410.2 THA .45 EL1 3262.5 EL2 128.6 ALF 6.00

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965 FLIGHT TIME 188.00 ARRIVAL DATE JUN 15 1966

Heliocentric Conic
 RL 147.33 LAL .00 LOL 76.71 VL 26.491 GAL 4.38 AZL 86.61 MCA 272.60 SMA 120.67 ECC .23314 INC 3.3933 V1 30.240
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.609 GAP 12.26 AZP 89.85 TAL 165.27 TAP 77.87 RCA 92.54 APO 148.80 V2 34.836
 RC 180.400 GL 19.27 GP -.09 ZAL 61.82 ZAP 173.25 ETS 359.84 ZAE 129.60 ETE 180.19 ZAC 90.67 ETC 166.35 CLP-173.25

Planetocentric Conic
 C3 22.438 VHL 4.737 DLA 24.26 RAL 7.43 RAD 6567.9 VEL 11.992 PTH 2.14 VMP 7.976 DPA -4.71 RAP 357.77 ECC 1.3693
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 14 3123.75 -27.01 105.35 239.61 81.14 3 46 18 2523.8 -27.95 96.81
 90.00 22 25 11 4004.35 -6.24 161.03 232.50 62.32 23 31 55 3404.3 -9.89 154.26
 100.00 4 36 4 2795.44 -29.14 81.53 239.95 83.01 5 22 39 2195.4 -29.80 72.79
 100.00 23 26 2 3807.90 -4.35 145.56 231.47 60.40 24 29 30 3207.9 -8.26 138.95
 110.00 6 24 25 2456.42 -34.10 56.27 240.43 87.43 7 5 22 1856.4 -34.08 47.02
 110.00 23 54 10 3719.68 -.12 136.24 228.84 55.82 24 56 9 3119.7 -4.60 130.03

Differential Corrections
 TOE 2.5936 TRA 2.1086 TC3-4.0029 BAU 1.2013 SGT 5661.2 SGR 414.7 SG3 165.7 ST 3249.5 SR 374.1 SS 773.8
 RDE .3072 RRA -.1070 RC3 .1237 FAU .02143 RRT .1380 RRF .1192 RTF .9369 CRT .9294 CRS -.8772 CST -.9922
 FDE .8599 FRA 1.0613 FC3 -.8267 BSP 18288 SGB 5676.4 R23 -.0109 R13 .9369 LSA 3357.0 MSA 167.4 SSA 17.2
 BDE 2.6117 BRA 2.1113 BC3 4.0048 FSP -562 SG1 5661.5 SG2 410.7 THA .58 EL1 3268.0 EL2 137.3 ALF 6.12

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 9 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 554.151

RL 147.33 LAL .00 LOL 76.71 VL 26.450 GAL 5.00 AZL 86.61 MCA 275.77 SMA 120.43 ECC .23901 INC 3.3922 V1 30.240
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.587 GAP 12.68 AZP 89.66 TAL 163.60 TAP 79.37 RCA 91.65 APO 149.21 V2 34.845
 RC 182.414 GL 18.44 GP -.08 ZAL 59.21 ZAP 174.07 ETS 359.90 ZAE 129.61 ETE 180.21 ZAC 92.94 ETC 166.47 CLP-174.07

PLANETOCENTRIC CONIC

C3 24.290 VHL 4.929 DLA 24.54 RAL 10.31 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 8.232 DPA -3.75 RAP 359.92 ECC 1.3998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 2 3159.29 -26.61 107.87 243.99 79.94 3 53 41 2559.3 -27.73 99.39
 90.00 22 41 18 4007.53 -6.14 161.21 236.74 62.30 23 48 6 3407.5 -9.80 154.44
 100.00 4 43 41 2828.32 -28.84 83.93 244.39 81.78 5 30 50 2228.3 -29.68 75.23
 100.00 23 41 20 3813.73 -4.15 145.88 235.65 60.37 24 44 54 3213.7 -8.07 139.28
 110.00 6 33 12 2485.69 -33.99 58.55 245.03 86.09 7 14 38 1885.7 -34.15 49.31
 110.00 0 12 14 3729.14 .24 136.73 232.91 55.82 1 14 24 3129.1 -4.24 130.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6708 TRA 2.3877 TC3-3.7057 BAU 1.2039 SGT 5682.8 SGR 416.2 SG3 160.1 ST 3238.9 SR 382.9 SS 761.4
 RDE .3276 RRA -.1031 RC3 .1052 FAU .01976 RRT .1698 RRF .1515 RTF .9390 CRT .9240 CRS -.8727 CST -.9928
 FDE .8458 FRA 1.1024 FC3 -.7041 BSP 18422 SGB 5698.0 R23 -.0089 R13 .9390 LSA 3344.7 MSA 171.6 SSA 16.6
 BDE 2.6908 BRA 2.3899 BC3 3.7072 FSP -.545 SGI 5683.2 SG2 410.1 TMA .72 EL1 3258.2 EL2 145.6 ALF 6.25

LAUNCH DATE DEC 9 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 559.527

RL 147.33 LAL .00 LOL 76.71 VL 26.409 GAL 5.67 AZL 86.61 MCA 278.94 SMA 120.20 ECC .24541 INC 3.3910 V1 30.240
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.566 GAP 13.13 AZP 89.47 TAL 161.94 TAP 80.88 RCA 90.70 APO 149.69 V2 34.854
 RC 184.407 GL 17.60 GP -.08 ZAL 56.68 ZAP 174.89 ETS 359.93 ZAE 129.62 ETE 180.23 ZAC 95.22 ETC 166.57 CLP-174.89

PLANETOCENTRIC CONIC

C3 26.433 VHL 5.141 DLA 24.76 RAL 13.10 RAD 6568.1 VEL 12.158 PTH 2.18 VHP 8.506 DPA -2.78 RAP 2.06 ECC 1.4350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 28 3192.96 -26.18 110.25 248.37 78.82 4 1 41 2593.0 -27.46 101.82
 90.00 22 56 10 4015.57 -5.88 161.66 240.95 62.25 24 3 5 3415.6 -9.55 154.90
 100.00 4 51 49 2859.79 -28.51 86.21 248.84 80.62 5 39 28 2259.8 -29.51 77.55
 100.00 23 55 31 3823.97 -3.81 146.44 239.81 60.33 24 59 15 3224.0 -7.73 139.85
 110.00 6 42 16 2514.23 -33.83 60.76 249.64 84.79 7 24 10 1914.2 -34.18 51.54
 110.00 0 25 29 3742.30 .75 137.42 236.97 55.82 1 27 51 3142.3 -3.74 131.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7473 TRA 2.6832 TC3-3.4066 BAU 1.2042 SGT 5699.8 SGR 416.8 SG3 154.7 ST 3218.9 SR 390.5 SS 749.0
 RDE .3489 RRA -.0976 RC3 .0880 FAU .01814 RRT .2017 RRF .1841 RTF .9412 CRT .9187 CRS -.8684 CST -.9934
 FDE .8325 FRA 1.1441 FC3 -.5943 BSP 18545 SGB 5715.0 R23 -.0069 R13 .9412 LSA 3323.2 MSA 175.8 SSA 15.9
 BDE 2.7694 BRA 2.6850 BC3 3.4077 FSP -.529 SGI 5700.4 SG2 408.2 TMA .85 EL1 3238.8 EL2 153.3 ALF 6.37

LAUNCH DATE DEC 9 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 564.838

RL 147.33 LAL .00 LOL 76.71 VL 26.369 GAL 6.37 AZL 86.61 MCA 282.12 SMA 119.97 ECC .25241 INC 3.3898 V1 30.240
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.546 GAP 13.61 AZP 89.29 TAL 160.29 TAP 82.41 RCA 89.69 APO 150.25 V2 34.863
 RC 186.379 GL 16.75 GP -.08 ZAL 54.25 ZAP 175.72 ETS 359.91 ZAE 129.63 ETE 180.25 ZAC 97.50 ETC 166.64 CLP-175.72

PLANETOCENTRIC CONIC

C3 28.909 VHL 5.377 DLA 24.91 RAL 15.81 RAD 6568.2 VEL 12.259 PTH 2.21 VHP 8.801 DPA -1.81 RAP 4.21 ECC 1.4758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 33 3224.61 -25.75 112.46 252.74 77.79 4 10 18 2624.6 -27.17 104.09
 90.00 23 9 40 4028.51 -5.47 162.39 245.12 62.17 24 16 49 3428.5 -9.15 155.64
 100.00 5 0 25 2889.77 -28.16 88.37 253.28 79.53 5 48 34 2289.8 -29.32 79.76
 100.00 0 12 26 3838.58 -3.31 147.25 243.93 60.27 1 16 25 3238.6 -7.25 140.67
 110.00 6 51 33 2542.05 -33.64 62.91 254.23 85.53 7 33 55 1942.0 -34.17 53.71
 110.00 0 37 47 3759.07 1.39 138.30 241.00 55.84 1 40 26 3159.1 -3.10 132.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8238 TRA 2.9974 TC3-3.1083 BAU 1.2017 SGT 5712.4 SGR 416.8 SG3 149.5 ST 3190.8 SR 396.8 SS 736.9
 RDE .3711 RRA -.0902 RC3 .0724 FAU .01657 RRT .2338 RRF .2167 RTF .9435 CRT .9133 CRS -.8642 CST -.9940
 FDE .8202 FRA 1.1872 FC3 -.4963 BSP 18643 SGB 5727.5 R23 -.0052 R13 .9435 LSA 3293.8 MSA 180.0 SSA 15.3
 BDE 2.8481 BRA 2.9988 BC3 3.1092 FSP -.513 SGI 5713.2 SG2 405.1 TMA .98 EL1 3211.3 EL2 160.6 ALF 6.50

LAUNCH DATE DEC 9 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 570.075

RL 147.33 LAL .00 LOL 76.71 VL 26.329 GAL 7.12 AZL 86.61 MCA 285.29 SMA 119.74 ECC .26007 INC 3.3887 V1 30.240
 RP 108.67 LAP -3.27 LOP 362.03 VP 36.527 GAP 14.13 AZP 89.11 TAL 158.67 TAP 83.96 RCA 88.60 APO 150.88 V2 34.873
 RC 188.330 GL 15.90 GP -.08 ZAL 51.90 ZAP 176.54 ETS 359.82 ZAE 129.63 ETE 180.27 ZAC 99.77 ETC 166.68 CLP-176.55

PLANETOCENTRIC CONIC

C3 31.773 VHL 5.637 DLA 25.01 RAL 18.42 RAD 6568.3 VEL 12.375 PTH 2.23 VHP 9.118 DPA -.83 RAP 6.34 ECC 1.5229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 15 3234.20 -25.31 114.52 257.10 76.85 4 19 29 2654.2 -26.87 106.20
 90.00 23 21 48 4046.33 -4.90 163.39 249.24 62.08 24 29 14 3446.3 -8.60 156.66
 100.00 5 9 27 2918.28 -27.79 90.41 257.70 78.52 5 58 5 2318.3 -29.09 81.85
 100.00 0 24 13 3857.47 -2.68 148.29 248.01 60.22 1 28 31 3257.5 -6.62 141.72
 110.00 7 1 1 2569.18 -33.41 65.00 258.81 82.31 7 43 50 1969.2 -34.11 55.83
 110.00 0 49 8 3779.33 2.16 139.35 244.99 55.88 1 52 7 3179.3 -2.33 133.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9036 TRA 3.3342 TC3-2.8114 BAU 1.1945 SGT 5722.1 SGR 416.0 SG3 144.7 ST 3158.9 SR 401.5 SS 726.6
 RDE .3941 RRA -.0809 RC3 .0585 FAU .01499 RRT .2665 RRF .2500 RTF .9460 CRT .9079 CRS -.8603 CST -.9945
 FDE .8103 FRA 1.2331 FC3 -.4085 BSP 18647 SGB 5737.2 R23 -.0034 R13 .9460 LSA 3260.9 MSA 183.9 SSA 14.7
 BDE 2.9302 BRA 3.3352 BC3 2.8120 FSP -.494 SGI 5723.2 SG2 400.9 TMA 1.12 EL1 3179.9 EL2 167.2 ALF 6.60

LAUNCH DATE DEC 9 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 575.223

RL 147.33 LAL .00 LOL 76.71 VL 26.290 GAL 7.91 AZL 86.61 MCA 288.47 SMA 119.52 ECC .26848 INC 3.3875 V1 30.240
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.509 GAP 14.69 AZP 88.93 TAL 157.07 TAP 85.54 RCA 87.43 APO 151.61 V2 34.884
 RC 190.259 GL 15.05 GP -.08 ZAL 49.66 ZAP 177.38 ETS 359.57 ZAE 129.62 ETE 180.30 ZAC 102.04 ETC 166.71 CLP-177.38

PLANETOCENTRIC CONIC

C3 35.090 VHL 5.924 DLA 25.05 RAL 20.92 RAD 6568.4 VEL 12.508 PTH 2.26 VMP 9.462 OPA .14 RAP 8.48 ECC 1.5775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 31 3281.71 -24.87 116.41 261.43 76.00 4 29 13 2681.7 -26.55 108.15
 90.00 23 32 31 4068.87 -4.18 164.66 253.28 61.97 24 40 20 3468.9 -7.90 157.95
 100.00 5 18 51 2945.34 -27.41 92.33 262.10 77.58 6 7 57 2345.3 -28.84 85.82
 100.00 0 34 48 3880.48 -1.90 149.55 252.02 60.16 1 39 28 3280.5 -5.85 143.00
 110.00 7 10 37 2595.66 -33.15 67.02 263.35 81.14 7 53 53 1995.7 -34.02 57.89
 110.00 0 59 31 3802.92 3.06 140.59 248.93 55.94 2 2 54 3202.9 -1.43 134.38

DIFFERENTIAL CORRECTIONS

TOE 2.9800 TRA 3.6878 TC3-2.5284 BAU 1.1863
 ROE .4177 RRA -.0695 RC3 .0462 FAU .01354
 FDE .7999 FRA 1.2790 FC3 -.3340 BSP 18745
 BOE 3.0091 BRA 3.6885 BC3 2.5288 FSP -479

MID-COURSE EXECUTION ACCURACY

SGT 5725.7 SGR 414.5 SG3 139.8
 RRT .2985 RRF .2826 RTF .9487
 SGB 5740.7 R23 -.0021 R13 .9487
 SG1 5727.1 SG2 395.5 TMA 1.24

ORBIT DETERMINATION ACCURACY

ST 3116.3 SR 404.7 SS 715.7
 CRT .9025 CRS -.8565 CST -.9951
 LSA 3217.5 MSA 187.5 SSA 14.1
 EL1 3137.7 EL2 173.1 ALF 6.71

LAUNCH DATE DEC 9 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 580.269

RL 147.33 LAL .00 LOL 76.71 VL 26.251 GAL 8.76 AZL 86.61 MCA 291.65 SMA 119.30 ECC .27772 INC 3.3862 V1 30.240
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.492 GAP 15.30 AZP 88.75 TAL 155.50 TAP 87.15 RCA 86.17 APO 152.43 V2 34.895
 RC 192.167 GL 14.22 GP -.07 ZAL 47.52 ZAP 178.23 ETS 358.94 ZAE 129.60 ETE 180.32 ZAC 104.30 ETC 166.70 CLP-178.23

PLANETOCENTRIC CONIC

C3 38.937 VHL 6.240 DLA 25.04 RAL 23.32 RAD 6568.5 VEL 12.661 PTH 2.30 VMP 9.835 OPA 1.10 RAP 10.60 ECC 1.6408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 18 3307.26 -24.43 118.16 265.74 75.23 4 39 25 2707.3 -26.23 109.95
 90.00 23 41 52 4095.89 -3.32 166.17 257.25 61.86 24 50 8 3495.9 -7.05 159.48
 100.00 5 28 35 2971.02 -27.02 94.14 266.46 76.70 6 18 7 2371.0 -28.58 85.68
 100.00 0 44 11 3907.37 -.99 151.03 255.96 60.12 1 49 19 3307.4 -4.95 144.49
 110.00 7 20 18 2621.52 -32.86 68.98 267.84 80.01 8 4 0 2021.5 -33.89 59.90
 110.00 1 8 58 3829.64 4.08 141.98 252.80 56.03 2 12 48 3229.6 -.41 135.77

DIFFERENTIAL CORRECTIONS

TOE 3.0585 TRA 4.0648 TC3-2.2549 BAU 1.1739
 ROE .4420 RRA -.0561 RC3 .0356 FAU .01211
 FDE .7912 FRA 1.3274 FC3 -.2694 BSP 18805
 BOE 3.0902 BRA 4.0652 BC3 2.2552 FSP -464

MID-COURSE EXECUTION ACCURACY

SGT 5725.0 SGR 412.2 SG3 135.3
 RRT .3308 RRF .3153 RTF .9516
 SGB 5739.8 R23 -.0009 R13 .9516
 SG1 5726.6 SG2 388.9 TMA 1.37

ORBIT DETERMINATION ACCURACY

ST 3069.4 SR 406.2 SS 706.3
 CRT .8971 CRS -.8529 CST -.9956
 LSA 3169.9 MSA 190.6 SSA 13.6
 EL1 3091.0 EL2 178.2 ALF 6.79

LAUNCH DATE DEC 9 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 585.192

RL 147.33 LAL .00 LOL 76.71 VL 26.214 GAL 9.67 AZL 86.62 MCA 294.84 SMA 119.09 ECC .28790 INC 3.3849 V1 30.240
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.476 GAP 15.97 AZP 88.58 TAL 153.97 TAP 88.80 RCA 84.80 APO 153.37 V2 34.906
 RC 194.054 GL 13.39 GP -.07 ZAL 45.48 ZAP 179.09 ETS 356.87 ZAE 129.56 ETE 180.35 ZAC 106.54 ETC 166.66 CLP-179.09

PLANETOCENTRIC CONIC

C3 43.412 VHL 6.589 DLA 24.98 RAL 25.60 RAD 6568.6 VEL 12.837 PTH 2.34 VMP 10.242 OPA 2.06 RAP 12.71 ECC 1.7144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 54 30 3330.98 -24.01 119.77 270.00 74.52 4 50 1 2731.0 -25.91 111.61
 90.00 23 49 53 4127.08 -2.31 167.91 261.14 61.77 24 58 40 3527.1 -6.07 161.25
 100.00 5 38 34 2995.43 -26.63 95.85 270.77 75.89 6 28 30 2395.4 -28.30 87.45
 100.00 0 52 25 3937.86 .05 152.70 259.82 60.11 1 58 3 3337.9 -3.93 146.17
 110.00 7 30 0 2646.80 -32.55 70.89 272.29 78.93 8 14 7 2046.8 -33.73 61.85
 110.00 1 17 29 3859.26 5.20 143.54 258.62 56.17 2 21 48 3259.3 .72 137.32

DIFFERENTIAL CORRECTIONS

TOE 3.1398 TRA 4.4674 TC3-1.9934 BAU 1.1570
 ROE .4668 RRA -.0403 RC3 .0267 FAU .01072
 FDE .7842 FRA 1.3787 FC3 -.2139 BSP 18860
 BOE 3.1743 BRA 4.4675 BC3 1.9936 FSP -449

MID-COURSE EXECUTION ACCURACY

SGT 5720.3 SGR 409.2 SG3 130.9
 RRT .3631 RRF .3481 RTF .9546
 SGB 5734.9 R23 -.0001 R13 .9546
 SG1 5722.2 SG2 381.2 TMA 1.49

ORBIT DETERMINATION ACCURACY

ST 3018.9 SR 406.1 SS 698.2
 CRT .8918 CRS -.8495 CST -.9961
 LSA 3119.1 MSA 193.1 SSA 13.0
 EL1 3040.7 EL2 182.4 ALF 6.86

LAUNCH DATE DEC 9 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 589.969

RL 147.33 LAL .00 LOL 76.71 VL 26.177 GAL 10.65 AZL 86.62 MCA 298.02 SMA 118.88 ECC .29915 INC 3.3835 V1 30.240
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.460 GAP 16.70 AZP 88.41 TAL 152.49 TAP 90.51 RCA 83.32 APO 154.44 V2 34.918
 RC 195.918 GL 12.57 GP -.07 ZAL 43.55 ZAP 179.92 ETS 295.41 ZAE 129.50 ETE 180.38 ZAC 108.77 ETC 166.60 CLP-179.97

PLANETOCENTRIC CONIC

C3 48.633 VHL 6.974 DLA 24.87 RAL 27.77 RAD 6568.8 VEL 13.038 PTH 2.38 VMP 10.688 OPA 3.01 RAP 14.82 ECC 1.8004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 0 3353.03 -23.60 121.26 274.22 73.89 5 0 33 2753.0 -25.59 113.15
 90.00 0 0 35 4162.03 -1.19 169.86 264.93 61.71 1 9 57 3562.0 -4.96 163.22
 100.00 5 48 43 3018.65 -26.23 97.46 275.02 75.12 6 39 2 2418.7 -28.02 89.11
 100.00 0 59 33 3971.65 1.19 154.55 263.60 60.13 2 5 45 3371.6 -2.79 148.03
 110.00 7 39 40 2671.52 -32.21 72.74 276.66 77.88 8 24 12 2071.5 -33.54 63.76
 110.00 1 25 5 3891.54 6.42 145.24 260.36 56.35 2 29 57 3291.5 1.96 139.00

DIFFERENTIAL CORRECTIONS

TOE 3.2258 TRA 4.8997 TC3-1.7420 BAU 1.1327
 ROE .4920 RRA -.0220 RC3 .0195 FAU .00931
 FDE .7801 FRA 1.4344 FC3 -.1657 BSP 18820
 BOE 3.2631 BRA 4.8998 BC3 1.7421 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 5711.0 SGR 405.6 SG3 126.7
 RRT .3957 RRF .3813 RTF .9579
 SGB 5725.4 R23 -.0007 R13 .9579
 SG1 5713.3 SG2 372.4 TMA 1.62

ORBIT DETERMINATION ACCURACY

ST 2966.7 SR 404.3 SS 692.7
 CRT .8866 CRS -.8466 CST -.9966
 LSA 3067.0 MSA 194.9 SSA 12.5
 EL1 2988.4 EL2 185.7 ALF 6.92

LAUNCH DATE DEC 9 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 594.570

RL 147.33 LAL .00 LOL 76.71 VL 26.140 GAL 11.71 AZL 86.62 MCA 301.21 SMA 118.68 ECC .31161 INC 3.3820 V1 30.240
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.446 GAP 17.50 ATP 88.25 TAL 151.06 TAP 92.27 RCA 81.70 APO 155.66 V2 34.930
 RC 197.761 GL 11.78 GP -.07 ZAL 41.73 ZAP 179.13 ETS 186.41 ZAE 129.42 ETE 180.40 ZAC 110.97 ETC 166.50 CLP 179.13

PLANETOCENTRIC CONIC

C3 54.749 VHL 7.399 DLA 24.73 RAL 29.81 RAD 6569.0 VEL 13.271 PTH 2.42 VHP 11.178 OPA 3.95 RAP 16.90 ECC 1.9010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 15 44 3373.55 -23.21 122.63 278.37 73.31 5 11 58 2773.6 -25.28 114.57
 90.00 0 6 9 4200.36 .05 172.00 268.62 61.68 1 16 9 3600.4 -3.74 165.37
 100.00 5 58 58 3040.75 -25.84 98.98 279.20 74.42 6 49 39 2440.7 -27.72 90.69
 100.00 1 5 36 4008.40 2.44 156.57 267.29 60.20 2 12 25 3408.4 -1.54 150.05
 110.00 7 49 16 2895.67 -31.85 74.53 280.96 76.88 8 34 11 2095.7 -33.33 65.61
 110.00 1 31 48 3926.24 7.73 147.08 264.03 56.60 2 37 14 3326.2 3.28 140.82

DIFFERENTIAL CORRECTIONS

TDE 3.3169 TRA 5.3638 TC3-1.5088 BAU 1.1044
 RDE .5177 RRA -.0011 RC3 .0137 FAU .00797
 FDE .7767 FRA 1.4930 FC3 -.1260 BSP 18865
 BDE 3.3571 BRA 5.3638 BC3 1.5088 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5700.1 SGR 401.4 SG3 122.7
 RRT .4283 RRF .4142 RTF .9613
 SGB 5714.2 R23 .0009 R13 .9613
 SG1 5702.7 SG2 362.6 THA 1.73

ORBIT DETERMINATION ACCURACY

ST 2912.6 SR 400.9 SS 688.0
 CRT .8815 CRS -.8438 CST -.9971
 LSA 3013.1 MSA 195.8 S5A 11.9
 EL1 2934.1 EL2 187.9 ALF 6.95

LAUNCH DATE DEC 9 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 598.958

RL 147.33 LAL .00 LOL 76.71 VL 26.105 GAL 12.86 AZL 86.62 MCA 304.39 SMA 118.48 ECC .32545 INC 3.3804 V1 30.240
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.432 GAP 18.38 ATP 88.09 TAL 149.70 TAP 94.09 RCA 79.92 APO 157.04 V2 34.942
 RC 199.580 GL 10.99 GP -.07 ZAL 40.02 ZAP 178.20 ETS 184.08 ZAE 129.31 ETE 180.43 ZAC 113.15 ETC 166.58 CLP 178.20

PLANETOCENTRIC CONIC

C3 61.946 VHL 7.871 DLA 24.54 RAL 31.73 RAD 6569.2 VEL 13.539 PTH 2.47 VHP 11.719 OPA 4.87 RAP 18.97 ECC 2.0195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 35 3392.68 -22.83 123.91 282.44 72.78 5 23 8 2792.7 -24.97 115.89
 90.00 0 10 35 4241.65 1.38 174.30 272.21 61.71 1 21 17 3641.6 -2.41 167.68
 100.00 6 9 13 3081.77 -25.44 100.42 283.30 73.76 7 0 15 2461.8 -27.42 92.18
 100.00 1 10 38 4047.79 3.77 158.74 270.89 60.32 2 18 6 3447.8 -.21 152.21
 110.00 7 58 43 2719.22 -31.47 76.26 285.16 75.92 8 44 2 2119.2 -33.09 67.41
 110.00 1 37 38 3963.11 9.11 149.05 267.61 56.91 2 43 41 3363.1 4.69 142.75

DIFFERENTIAL CORRECTIONS

TDE 3.4131 TRA 5.8610 TC3-1.2898 BAU 1.0682
 RDE .5437 RRA .0225 RC3 .0094 FAU .00661
 FDE .7758 FRA 1.5366 FC3 -.0924 BSP 18878
 BDE 3.4561 BRA 5.8610 BC3 1.2898 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 5682.7 SGR 396.5 SG3 118.8
 RRT .4606 RRF .4471 RTF .9648
 SGB 5696.6 R23 .0010 R13 .9648
 SG1 5685.7 SG2 351.7 THA 1.85

ORBIT DETERMINATION ACCURACY

ST 2856.0 SR 395.8 SS 685.7
 CRT .8766 CRS -.8414 CST -.9975
 LSA 2957.2 MSA 195.9 S5A 11.4
 EL1 2877.1 EL2 189.1 ALF 6.96

LAUNCH DATE DEC 9 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 603.085

RL 147.33 LAL .00 LOL 76.71 VL 26.070 GAL 14.12 AZL 86.62 MCA 307.59 SMA 118.29 ECC .34087 INC 3.3787 V1 30.240
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.419 GAP 19.37 ATP 87.94 TAL 148.42 TAP 96.01 RCA 77.97 APO 158.61 V2 34.955
 RC 201.376 GL 10.22 GP -.07 ZAL 38.43 ZAP 177.23 ETS 183.39 ZAE 129.16 ETE 180.46 ZAC 115.29 ETC 166.22 CLP 177.23

PLANETOCENTRIC CONIC

C3 70.463 VHL 8.394 DLA 24.31 RAL 33.52 RAD 6569.4 VEL 13.850 PTH 2.53 VHP 12.320 OPA 5.77 RAP 21.01 ECC 2.1596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 28 3410.48 -22.47 125.08 286.42 72.29 5 34 19 2810.5 -24.68 117.11
 90.00 0 13 57 4285.48 2.79 176.75 275.68 61.81 1 25 23 3685.5 -1.00 170.12
 100.00 6 19 26 3081.72 -25.06 101.78 287.30 73.14 7 10 48 2481.7 -27.13 93.59
 100.00 1 14 40 4089.47 5.17 161.04 274.37 60.52 2 22 50 3489.5 1.21 154.50
 110.00 8 8 0 2742.08 -31.08 77.93 289.25 75.00 8 53 42 2142.1 -32.83 69.14
 110.00 1 42 36 4001.88 10.54 151.14 271.11 57.29 2 49 18 3401.9 6.15 144.79

DIFFERENTIAL CORRECTIONS

TDE 3.5176 TRA 6.3980 TC3-1.0858 BAU 1.0228
 RDE .5700 RRA .0490 RC3 .0062 FAU .00523
 FDE .7775 FRA 1.6260 FC3 -.0642 BSP 18888
 BDE 3.5635 BRA 6.3982 BC3 1.0858 FSP -394

MID-COURSE EXECUTION ACCURACY

SGT 5661.3 SGR 390.9 SG3 115.2
 RRT .4930 RRF .4799 RTF .9683
 SGB 5674.8 R23 .0009 R13 .9683
 SG1 5664.6 SG2 339.9 THA 1.96

ORBIT DETERMINATION ACCURACY

ST 2799.0 SR 389.2 SS 685.9
 CRT .8720 CRS -.8394 CST -.9979
 LSA 2901.4 MSA 195.0 S5A 10.9
 EL1 2819.6 EL2 189.2 ALF 6.95

LAUNCH DATE DEC 9 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 606.891

RL 147.33 LAL .00 LOL 76.71 VL 26.037 GAL 15.50 AZL 86.62 MCA 310.78 SMA 118.11 ECC .35813 INC 3.3768 V1 30.240
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.408 GAP 20.47 ATP 87.79 TAL 147.24 TAP 98.02 RCA 75.81 APO 160.41 V2 34.968
 RC 203.147 GL 9.47 GP -.07 ZAL 36.97 ZAP 176.21 ETS 183.09 ZAE 128.96 ETE 180.48 ZAC 117.38 ETC 166.03 CLP 176.21

PLANETOCENTRIC CONIC

C3 80.602 VHL 8.978 DLA 24.05 RAL 35.16 RAD 6569.6 VEL 14.211 PTH 2.59 VHP 12.991 OPA 6.65 RAP 23.02 ECC 2.3265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 17 3426.98 -22.12 126.17 290.29 71.86 5 45 24 2827.0 -24.40 118.24
 90.00 0 16 18 4331.46 4.27 179.33 279.04 61.98 1 28 29 3731.5 .49 172.69
 100.00 6 29 32 3100.53 -24.68 103.05 291.18 72.57 7 21 12 2500.5 -26.83 94.91
 100.00 1 17 44 4133.14 6.63 163.46 277.75 60.79 2 26 37 3533.1 2.68 156.89
 110.00 8 17 3 2764.15 -30.68 79.52 293.21 74.14 9 3 7 2164.1 -32.55 70.80
 110.00 1 46 42 4042.29 12.02 153.33 274.50 57.76 2 54 5 3442.3 7.67 146.93

DIFFERENTIAL CORRECTIONS

TDE 3.6367 TRA 6.9843 TC3 -.8948 BAU .9642
 RDE .5968 RRA .0789 RC3 .0043 FAU .00374
 FDE .7833 FRA 1.7036 FC3 -.0402 BSP 18794
 BDE 3.6854 BRA 6.9847 BC3 .8948 FSP -380

MID-COURSE EXECUTION ACCURACY

SGT 5638.4 SGR 384.9 SG3 111.7
 RRT .5256 RRF .5132 RTF .9719
 SGB 5651.5 R23 .0007 R13 .9719
 SG1 5642.0 SG2 327.3 THA 2.06

ORBIT DETERMINATION ACCURACY

ST 2744.6 SR 381.2 SS 689.6
 CRT .8679 CRS -.8381 CST -.9982
 LSA 2849.0 MSA 193.0 S5A 10.3
 EL1 2764.6 EL2 188.0 ALF 6.91

LAUNCH DATE DEC 9 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 26.004 GAL 17.02 AZL 86.63 HCA 313.97 SMA 117.93 ECC .37751 INC 3.3748 V1 30.240
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.397 GAP 21.71 AZP 87.66 TAL 146.18 TAP 100.15 RCA 73.41 APO 182.45 V2 34.981
 RC 204.893 GL 8.74 GP -.07 ZAL 35.63 ZAP 175.14 ETS 182.95 ZAE 128.70 ETE 180.51 ZAC 119.43 ETC 165.81 CLP 175.14

PLANETOCENTRIC CONIC
 C3 92.758 VHL 9.631 DLA 23.75 RAL 36.67 RAD 6569.8 VEL 14.632 PTH 2.65 VMP 13.745 DPA 7.50 RAP 24.98 ECC 2.5266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 58 3442.08 -21.00 127.16 294.02 71.46 5 56 20 2842.1 -24.13 119.26
 90.00 0 17 38 4379.26 5.79 182.01 282.26 62.23 1 30 37 3779.3 2.03 175.35
 100.00 6 39 27 3118.09 -24.32 104.22 294.92 72.06 7 31 25 2518.1 -26.54 96.13
 100.00 1 19 50 4178.49 8.13 165.99 280.99 61.13 2 29 28 3578.5 4.21 159.39
 110.00 8 25 50 2785.24 -30.28 81.04 297.01 73.32 9 12 16 2185.2 -32.26 72.38
 110.00 1 49 56 4084.10 13.52 155.63 277.79 58.30 2 58 0 3484.1 9.23 149.16

MID-COURSE EXECUTION ACCURACY
 SGT 5608.5 SGR 378.3 SG3 108.4
 RRT .5576 RRF .5459 RTF .9755
 SGB 5621.3 R23 .0003 R13 .9755
 SG1 5612.5 SG2 313.8 THA 2.16

ORBIT DETERMINATION ACCURACY
 ST 2687.7 SR 371.8 S3 695.8
 CRT .8643 CRS -.8372 CST -.9986
 LSA 2794.6 MSA 190.0 SSA 9.8
 EL1 2707.0 EL2 185.7 ALF 6.85

DIFFERENTIAL CORRECTIONS
 TDE 3.7648 TRA 7.6175 TC3 -.7210 BAU .8941
 RDE .6239 RRA .1119 RC3 .0032 FAU .00222
 FDE .7914 FRA 1.7884 FC3 -.0207 BSP 18794
 BDE 3.8161 BRA 7.6183 BC3 .7210 FSP -369

LAUNCH DATE DEC 9 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 25.974 GAL 18.71 AZL 86.63 HCA 317.17 SMA 117.77 ECC .39934 INC 3.3725 V1 30.240
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.388 GAP 23.11 AZP 87.53 TAL 145.26 TAP 102.43 RCA 70.74 APO 164.79 V2 34.994
 RC 206.614 GL 8.03 GP -.07 ZAL 34.44 ZAP 174.01 ETS 182.89 ZAE 128.38 ETE 180.53 ZAC 121.40 ETC 165.56 CLP 174.01

PLANETOCENTRIC CONIC
 C3 107.446 VHL 10.366 DLA 23.41 RAL 38.02 RAD 6570.1 VEL 15.126 PTH 2.72 VMP 14.595 DPA 8.31 RAP 26.89 ECC 2.7683
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 26 3455.66 -21.50 128.04 297.58 71.12 6 7 2 2855.7 -23.88 120.18
 90.00 0 17 56 4428.54 7.35 184.80 285.33 62.58 1 31 45 3828.5 3.62 178.11
 100.00 6 49 8 3134.21 -23.97 105.30 298.49 71.59 7 41 22 2534.2 -26.26 97.25
 100.00 1 20 56 4225.22 9.65 168.62 284.09 61.57 2 31 21 3625.2 5.78 161.97
 110.00 8 34 19 2805.13 -29.88 82.45 300.63 72.57 9 21 4 2205.1 -31.97 73.86
 110.00 1 52 14 4127.06 15.05 158.03 280.94 58.94 3 1 1 3527.1 10.82 151.48

MID-COURSE EXECUTION ACCURACY
 SGT 5574.7 SGR 371.1 SG3 105.3
 RRT .5894 RRF .5784 RTF .9789
 SGB 5587.1 R23 -.0003 R13 .9789
 SG1 5579.0 SG2 299.5 THA 2.25

ORBIT DETERMINATION ACCURACY
 ST 2631.9 SR 361.0 S3 705.7
 CRT .8613 CRS -.8369 CST -.9988
 LSA 2742.3 MSA 185.9 SSA 9.3
 EL1 2650.3 EL2 182.2 ALF 6.77

DIFFERENTIAL CORRECTIONS
 TDE 3.9099 TRA 8.3097 TC3 -.5615 BAU .8065
 RDE .8514 RRA .1487 RC3 .0029 FAU .00055
 FDE .8037 FRA 1.8832 FC3 -.0044 BSP 18770
 BDE 3.9638 BRA 8.3111 BC3 .5615 FSP -358

LAUNCH DATE DEC 9 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 25.945 GAL 20.61 AZL 86.63 HCA 320.37 SMA 117.61 ECC .42406 INC 3.3699 V1 30.240
 RP 108.23 LAP -2.15 LOP 37.13 VP 36.380 GAP 24.70 AZP 87.40 TAL 144.51 TAP 104.89 RCA 67.73 APO 167.48 V2 35.007
 RC 208.309 GL 7.33 GP -.07 ZAL 33.40 ZAP 172.78 ETS 182.86 ZAE 127.97 ETE 180.56 ZAC 123.29 ETC 165.29 CLP 172.78

PLANETOCENTRIC CONIC
 C3 125.349 VHL 11.196 DLA 23.03 RAL 39.21 RAD 6570.3 VEL 15.706 PTH 2.79 VMP 15.562 DPA 9.08 RAP 28.74 ECC 3.0629
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 38 3467.47 -21.24 128.81 300.96 70.82 6 17 26 2867.5 -23.66 120.98
 90.00 0 17 12 4479.02 8.92 187.68 288.23 63.01 1 31 51 3879.0 5.23 180.94
 100.00 6 58 31 3148.63 -23.66 106.26 301.86 71.18 7 51 0 2548.6 -26.01 98.24
 100.00 1 20 59 4273.10 11.19 171.34 287.03 62.10 2 32 12 3673.1 7.37 164.64
 110.00 8 42 26 2823.54 -29.50 83.75 304.04 71.89 9 29 29 2223.5 -31.69 75.22
 110.00 1 53 34 4170.95 16.57 160.52 283.95 59.67 3 3 5 3571.0 12.42 155.87

MID-COURSE EXECUTION ACCURACY
 SGT 5537.0 SGR 363.4 SG3 102.3
 RRT .6209 RRF .6107 RTF .9822
 SGB 5549.0 R23 -.0010 R13 .9822
 SG1 5541.7 SG2 284.6 THA 2.34

ORBIT DETERMINATION ACCURACY
 ST 2577.2 SR 349.2 S3 720.0
 CRT .8592 CRS -.8374 CST -.9991
 LSA 2692.5 MSA 180.7 SSA 8.7
 EL1 2594.7 EL2 177.4 ALF 6.67

DIFFERENTIAL CORRECTIONS
 TDE 4.0764 TRA 9.0702 TC3 -.4160 BAU .6971
 RDE .6795 RRA .1893 RC3 .0034 FAU-.00134
 FDE .8210 FRA 1.9903 FC3 .0093 BSP 18723
 BDE 4.1326 BRA 9.0722 BC3 .4160 FSP -348

LAUNCH DATE DEC 9 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC
 RL 147.33 LAL .00 LOL 76.71 VL 25.918 GAL 22.74 AZL 86.63 HCA 323.58 SMA 117.46 ECC .45214 INC 3.3669 V1 30.240
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.373 GAP 26.53 AZP 87.29 TAL 143.99 TAP 107.56 RCA 64.35 APO 170.57 V2 35.020
 RC 209.976 GL 6.64 GP -.06 ZAL 32.54 ZAP 171.46 ETS 182.85 ZAE 127.45 ETE 180.58 ZAC 125.09 ETC 164.99 CLP 171.46

PLANETOCENTRIC CONIC
 C3 147.382 VHL 12.140 DLA 22.61 RAL 40.21 RAD 6570.6 VEL 16.392 PTH 2.86 VMP 16.667 DPA 9.80 RAP 30.49 ECC 3.4255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 30 3477.18 -21.02 129.44 304.10 70.58 6 27 27 2877.2 -23.48 121.63
 90.00 0 15 19 4530.49 10.49 190.64 290.93 63.55 1 30 49 3930.5 6.86 183.84
 100.00 7 7 34 3161.00 -23.39 107.07 304.99 70.83 8 0 15 2561.0 -25.79 99.10
 100.00 1 19 56 4321.90 12.73 174.15 289.78 62.72 2 31 58 3721.9 8.98 167.37
 110.00 8 50 8 2840.10 -29.14 84.90 307.20 71.29 9 37 28 2240.1 -31.42 76.44
 110.00 1 53 51 4215.56 18.09 163.09 286.77 60.49 3 4 7 3615.6 14.02 156.34

MID-COURSE EXECUTION ACCURACY
 SGT 5496.8 SGR 355.4 SG3 99.6
 RRT .6520 RRF .6427 RTF .9853
 SGB 5508.2 R23 -.0016 R13 .9853
 SG1 5501.6 SG2 269.2 THA 2.42

ORBIT DETERMINATION ACCURACY
 ST 2525.0 SR 336.3 S3 739.9
 CRT .8582 CRS -.8390 CST -.9993
 LSA 2646.9 MSA 174.4 SSA 8.2
 EL1 2541.6 EL2 171.6 ALF 6.55

DIFFERENTIAL CORRECTIONS
 TDE 4.2717 TRA 9.9114 TC3 -.2833 BAU .5584
 RDE .7086 RRA .2342 RC3 .0044 FAU-.00358
 FDE .8448 FRA 2.1125 FC3 .0210 BSP 18579
 BDE 4.3301 BRA 9.9141 BC3 .2834 FSP -337

LAUNCH DATE DEC 10 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 18 1966

HELIOCENTRIC CONIC

DISTANCE 189.031

RL 147.31 LAL -0.00 LOL 77.73 VL 27.322 GAL -8.79 AZL 86.60 MCA 85.03 SMA 125.76 ECC .22811 INC 3.4003 V1 30.243
 RP 107.58 LAP 3.39 LOP 162.75 VP 37.575 GAP -10.27 AZP 89.70 TAL 213.26 TAP 298.28 RCA 97.07 APO 154.44 V2 35.224
 RC 51.018 GL 17.27 GP .42 ZAL 137.31 ZAP 14.37 ETS 357.31 ZAE 148.42 ETE 341.46 ZAC 63.77 ETC 163.27 CLP -14.37

PLANETOCENTRIC CONIC

C3 29.114 VHL 5.396 DLA -3.73 RAL 296.13 RAD 6568.2 VEL 12.267 PTH 2.21 VMP 7.047 DPA -14.68 RAP 331.53 ECC 1.4791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 0 2190.62 -18.98 39.97 162.74 111.42 2 56 31 1590.6 -15.90 32.64
 90.00 13 22 38 5066.04 24.00 224.02 164.91 74.51 14 47 4 4466.0 21.64 216.14
 100.00 3 39 36 1933.84 -20.13 20.60 162.24 112.58 4 11 50 1333.8 -16.89 13.30
 100.00 14 45 43 4798.05 25.19 203.93 164.53 73.35 16 5 42 4198.0 22.67 196.04
 110.00 4 43 51 1732.72 -23.20 3.85 160.76 115.84 5 12 44 1132.7 -19.53 356.63
 110.00 15 57 58 4571.93 28.39 185.58 163.35 70.11 17 14 10 3971.9 25.42 177.67

DIFFERENTIAL CORRECTIONS

TDE -.2105 TRA -.3378 TC3 .4438 BAU .1795
 RDE -.3471 RRA .0561 RC3 -.1253 FAU .04588
 FDE .4347 FRA -.3979 FC3-1.3636 BSP 1740
 BDE .4059 BRA .3424 BC3 .4612 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 639.2 SGR 397.1 SG3 138.2
 RRT -.0151 RRF .0055 RTF -.6415
 SGB 752.5 R23 .0102 R13 .6414
 SG1 639.2 SG2 397.0 TMA 179.13

ORBIT DETERMINATION ACCURACY

ST 248.5 SR 369.0 SS 292.8
 CRT .8763 CRS .9707 CST .7539
 LSA 515.0 MSA 133.7 SSA 24.8
 EL1 433.1 EL2 102.0 ALF 57.42

LAUNCH DATE DEC 10 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC

DISTANCE 195.839

RL 147.31 LAL -0.00 LOL 77.73 VL 27.473 GAL -8.75 AZL 86.60 MCA 88.27 SMA 126.75 ECC .22099 INC 3.3957 V1 30.243
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.678 GAP -9.39 AZP 89.90 TAL 214.73 TAP 303.00 RCA 98.74 APO 154.76 V2 35.216
 RC 52.701 GL 17.63 GP .45 ZAL 138.39 ZAP 17.29 ETS 357.52 ZAE 148.43 ETE 341.93 ZAC 64.07 ETC 163.34 CLP -17.29

PLANETOCENTRIC CONIC

C3 28.191 VHL 5.309 DLA -3.60 RAL 294.79 RAD 6568.1 VEL 12.230 PTH 2.20 VMP 6.583 DPA -14.54 RAP 331.83 ECC 1.4639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 42 2186.82 -18.88 39.72 160.89 111.50 2 50 8 1586.6 -15.79 32.40
 90.00 13 18 17 5053.93 23.78 223.20 162.95 74.16 14 42 31 4453.9 21.38 215.35
 100.00 3 33 21 1929.65 -20.02 20.33 160.40 112.67 4 5 31 1329.6 -16.77 13.04
 100.00 14 41 18 4786.13 24.96 203.12 162.57 72.99 16 1 4 4186.1 22.39 195.27
 110.00 4 37 44 1728.09 -23.06 3.56 158.92 115.96 5 6 33 1128.1 -19.38 356.35
 110.00 15 53 24 4560.46 28.12 184.80 161.37 69.71 17 9 25 3960.5 25.10 176.93

DIFFERENTIAL CORRECTIONS

TDE -.2109 TRA -.3215 TC3 .4676 BAU .1827
 RDE -.3408 RRA .0518 RC3 -.1283 FAU .05099
 FDE .4915 FRA -.4851 FC3-1.5658 BSP 1771
 BDE .4008 BRA .3256 BC3 .4849 FSP -417

MID-COURSE EXECUTION ACCURACY

SGT 647.4 SGR 396.2 SG3 157.5
 RRT -.0133 RRF .0029 RTF -.6475
 SGB 759.0 R23 .0108 R13 .6474
 SG1 647.5 SG2 396.2 TMA 179.25

ORBIT DETERMINATION ACCURACY

ST 250.8 SR 368.2 SS 315.9
 CRT .8869 CRS .9657 CST .7541
 LSA 528.0 MSA 137.3 SSA 25.2
 EL1 434.6 EL2 98.2 ALF 56.96

LAUNCH DATE DEC 10 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

DISTANCE 202.627

RL 147.31 LAL -0.00 LOL 77.73 VL 27.606 GAL -8.71 AZL 86.61 MCA 91.51 SMA 127.64 ECC .21483 INC 3.3912 V1 30.243
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.787 GAP -8.55 AZP 90.09 TAL 216.13 TAP 307.64 RCA 100.22 APO 155.07 V2 35.208
 RC 54.462 GL 17.95 GP .48 ZAL 139.37 ZAP 20.37 ETS 357.67 ZAE 148.72 ETE 342.27 ZAC 64.22 ETC 163.38 CLP -20.36

PLANETOCENTRIC CONIC

C3 27.423 VHL 5.237 DLA -3.48 RAL 293.57 RAD 6568.1 VEL 12.198 PTH 2.19 VMP 6.148 DPA -14.45 RAP 331.98 ECC 1.4513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 59 2183.26 -18.80 39.51 159.23 111.58 2 44 22 1583.3 -15.70 32.20
 90.00 13 14 15 5043.53 23.58 222.30 161.20 73.86 14 38 19 4443.3 21.15 214.68
 100.00 3 27 42 1926.12 -19.93 20.11 158.74 112.76 3 59 48 1326.1 -16.67 12.83
 100.00 14 37 13 4775.91 24.75 202.43 160.81 72.68 15 56 49 4175.9 22.15 194.60
 110.00 4 32 12 1724.17 -22.94 3.31 157.27 116.06 5 0 56 1124.2 -19.25 356.12
 110.00 15 49 12 4550.62 27.89 184.13 159.61 69.38 17 5 3 3950.6 24.83 176.30

DIFFERENTIAL CORRECTIONS

TDE -.2104 TRA -.3076 TC3 .4852 BAU .1842
 RDE -.3347 RRA .0481 RC3 -.1304 FAU .05684
 FDE .5571 FRA -.5844 FC3-1.7944 BSP 1784
 BDE .3993 BRA .3113 BC3 .5024 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 651.8 SGR 394.4 SG3 179.4
 RRT -.0112 RRF -.0003 RTF -.6495
 SGB 761.8 R23 .0118 R13 .6495
 SG1 651.8 SG2 394.3 TMA 179.39

ORBIT DETERMINATION ACCURACY

ST 251.9 SR 366.3 SS 340.8
 CRT .8950 CRS .9610 CST .7533
 LSA 541.5 MSA 141.6 SSA 25.3
 EL1 434.5 EL2 94.8 ALF 56.61

LAUNCH DATE DEC 10 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 209.392

RL 147.31 LAL -0.00 LOL 77.73 VL 27.722 GAL -8.69 AZL 86.61 MCA 94.75 SMA 128.44 ECC .20952 INC 3.3886 V1 30.243
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.845 GAP -7.75 AZP 90.28 TAL 217.43 TAP 312.18 RCA 101.53 APO 155.35 V2 35.200
 RC 56.291 GL 18.23 GP .52 ZAL 140.25 ZAP 23.61 ETS 357.78 ZAE 149.32 ETE 342.49 ZAC 64.20 ETC 163.40 CLP -23.61

PLANETOCENTRIC CONIC

C3 26.780 VHL 5.175 DLA -3.39 RAL 292.47 RAD 6568.1 VEL 12.172 PTH 2.18 VMP 5.742 DPA -14.42 RAP 331.96 ECC 1.4407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 52 2180.46 -18.73 39.33 157.76 111.64 2 39 12 1580.5 -15.62 32.03
 90.00 13 10 37 5034.55 23.41 221.90 159.64 73.60 14 34 31 4434.6 20.94 214.10
 100.00 3 22 37 1923.16 -19.85 19.93 157.27 112.82 3 54 40 1323.2 -16.58 12.65
 100.00 14 33 32 4767.08 24.57 201.84 159.26 72.42 15 52 59 4167.1 21.93 194.04
 110.00 4 27 14 1720.88 -22.85 3.11 155.81 116.15 4 55 55 1120.9 -19.14 355.93
 110.00 15 45 25 4542.13 27.68 183.55 158.05 69.09 17 1 7 3942.1 24.59 175.75

DIFFERENTIAL CORRECTIONS

TDE -.2085 TRA -.2966 TC3 .4955 BAU .1835
 RDE -.3285 RRA .0450 RC3 -.1315 FAU .06348
 FDE .6323 FRA -.6972 FC3-2.0522 BSP 1776
 BDE .3891 BRA .3000 BC3 .5127 FSP -561

MID-COURSE EXECUTION ACCURACY

SGT 651.6 SGR 391.5 SG3 204.4
 RRT -.0089 RRF -.0044 RTF -.6464
 SGB 760.1 R23 .0133 R13 .6463
 SG1 651.6 SG2 391.5 TMA 179.52

ORBIT DETERMINATION ACCURACY

ST 251.5 SR 364.0 SS 367.2
 CRT .9001 CRS .9568 CST .7503
 LSA 555.5 MSA 146.5 SSA 25.3
 EL1 432.8 EL2 92.2 ALF 56.39

LAUNCH DATE DEC 10 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 216.132

RL 147.31 LAL -0.00 LOL 77.73 VL 27.824 GAL -8.66 AZL 86.62 MCA 97.98 SMA 129.15 ECC .20496 INC 3.3820 V1 30.243
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.911 GAP -6.99 AZP 90.47 TAL 218.62 TAP 316.60 RCA 102.68 APO 155.62 V2 35.191
 RC 58.184 GL 18.47 GP .56 ZAL 141.02 ZAP 27.04 ETS 357.86 ZAE 150.23 ETE 342.57 ZAC 64.01 ETC 163.39 CLP -27.03

PLANETOCENTRIC CONIC

C3 26.237 VML 5.122 DLA -3.30 RAL 291.50 RAD 6568.1 VEL 12.150 PTH 2.18 VMP 5.366 DPA -14.44 RAP 331.76 ECC 1.4318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 19 2178.12 -18.67 39.19 156.46 111.69 2 34 37 1578.1 -15.56 31.89
 90.00 13 7 23 5028.72 23.26 221.37 158.28 73.38 14 31 10 4426.7 20.76 213.59
 100.00 3 18 7 1920.69 -19.78 19.77 155.98 112.88 3 50 8 1320.7 -16.51 12.50
 100.00 14 30 16 4759.38 24.41 201.32 157.89 72.19 15 49 35 4159.4 21.75 193.54
 110.00 4 22 50 1718.11 -22.76 2.94 154.52 116.22 4 51 28 1118.1 -19.05 355.76
 110.00 15 42 3 4534.73 27.50 183.05 156.67 68.85 16 57 37 3934.7 24.38 175.28

DIFFERENTIAL CORRECTIONS

TDE -.2031 TRA -.2876 TC3 .4998 BAU .1813
 RDE -.3221 RRA .0424 RC3 -.1316 FAU .07112
 FDE .7155 FRA -.8267 FC3-2.3467 BSP 1781
 BDE .3808 BRA .2907 BC3 .5169 FSP -654

MID-COURSE EXECUTION ACCURACY

SGT 646.2 SGR 387.7 SG3 233.1
 RRT -.0099 RRF -.0078 RTF -.6392
 SGB 753.6 R23 .0177 R13 .6391
 SG1 646.2 SG2 387.6 THA 179.47

ORBIT DETERMINATION ACCURACY

ST 247.4 SR 360.7 SS 394.2
 CRT .9015 CRS .9524 CST .7420
 LSA 588.4 MSA 151.6 SSA 25.2
 EL1 427.9 EL2 90.2 ALF 56.59

LAUNCH DATE DEC 10 1965

FLIGHT TIME 80.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 222.845

RL 147.31 LAL -0.00 LOL 77.73 VL 27.912 GAL -8.63 AZL 86.62 MCA 101.22 SMA 129.77 ECC .20104 INC 3.3774 V1 30.243
 RP 107.72 LAP 3.31 LOP 178.96 VP 37.966 GAP -6.26 AZP 90.66 TAL 219.68 TAP 320.90 RCA 103.68 APO 155.85 V2 35.181
 RC 60.133 GL 18.68 GP .61 ZAL 141.68 ZAP 30.67 ETS 357.91 ZAE 151.45 ETE 342.49 ZAC 63.61 ETC 163.34 CLP -30.67

PLANETOCENTRIC CONIC

C3 25.771 VML 5.076 DLA -3.22 RAL 290.64 RAD 6568.0 VEL 12.130 PTH 2.17 VMP 5.018 DPA -14.53 RAP 331.36 ECC 1.4241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 19 2176.20 -18.62 39.07 155.33 111.73 2 30 35 1576.2 -15.51 31.77
 90.00 13 4 36 5019.77 23.13 220.91 157.08 73.19 14 28 15 4419.8 20.60 213.15
 100.00 3 14 9 1918.65 -19.73 19.64 154.85 112.92 3 46 8 1318.7 -16.45 12.38
 100.00 14 27 26 4752.55 24.27 200.87 156.69 71.99 15 46 39 4152.6 21.58 193.10
 110.00 4 18 57 1715.80 -22.69 2.79 153.39 116.28 4 47 33 1115.8 -18.98 355.63
 110.00 15 39 8 4528.17 27.34 182.61 155.47 68.63 16 54 36 3928.2 24.19 174.86

DIFFERENTIAL CORRECTIONS

TDE -.1971 TRA -.2845 TC3 .4919 BAU .1754
 RDE -.3155 RRA .0404 RC3 -.1308 FAU .07959
 FDE .8125 FRA -.9688 FC3-2.6736 BSP 1715
 BDE .3721 BRA .2874 BC3 .5090 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 634.4 SGR 382.8 SG3 265.0
 RRT -.0072 RRF -.0137 RTF -.6206
 SGB 740.9 R23 .0208 R13 .6205
 SG1 634.4 SG2 382.8 THA 179.61

ORBIT DETERMINATION ACCURACY

ST 243.0 SR 356.4 SS 423.8
 CRT .8990 CRS .9493 CST .7307
 LSA 583.4 MSA 157.2 SSA 24.8
 EL1 421.9 EL2 89.9 ALF 56.79

LAUNCH DATE DEC 10 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 229.528

RL 147.31 LAL -0.00 LOL 77.73 VL 27.987 GAL -8.61 AZL 86.63 MCA 104.45 SMA 130.30 ECC .19767 INC 3.3726 V1 30.243
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.012 GAP -5.56 AZP 90.84 TAL 220.61 TAP 325.06 RCA 104.54 APO 156.06 V2 35.171
 RC 62.133 GL 18.86 GP .66 ZAL 142.24 ZAP 34.53 ETS 357.95 ZAE 153.01 ETE 342.22 ZAC 62.99 ETC 163.25 CLP -34.52

PLANETOCENTRIC CONIC

C3 25.364 VML 5.036 DLA -3.14 RAL 289.92 RAD 6568.0 VEL 12.114 PTH 2.17 VMP 4.698 DPA -14.69 RAP 330.73 ECC 1.4174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 50 2174.64 -18.58 38.97 154.36 111.76 2 27 5 1574.6 -15.46 31.68
 90.00 13 2 15 5013.47 23.00 220.49 156.05 73.01 14 25 49 4413.3 20.46 212.74
 100.00 3 10 43 1916.97 -19.68 19.54 153.88 112.96 3 42 40 1317.0 -16.40 12.28
 100.00 14 25 4 4746.37 24.14 200.45 155.66 71.81 15 44 10 4146.4 21.43 192.71
 110.00 4 15 36 1713.86 -22.63 2.67 152.42 116.33 4 44 10 1113.9 -18.91 355.51
 110.00 15 38 40 4522.24 27.19 182.21 154.43 68.44 16 52 2 3922.2 24.02 174.49

DIFFERENTIAL CORRECTIONS

TDE -.1883 TRA -.2864 TC3 .4733 BAU .1663
 RDE -.3086 RRA .0389 RC3 -.1289 FAU .08904
 FDE .9208 FRA -1.1262 FC3-3.0391 BSP 1617
 BDE .3615 BRA .2890 BC3 .4905 FSP -867

MID-COURSE EXECUTION ACCURACY

SGT 616.1 SGR 376.9 SG3 300.7
 RRT -.0050 RRF -.0207 RTF -.5898
 SGB 722.3 R23 .0254 R13 .5898
 SG1 616.1 SG2 376.9 THA 179.72

ORBIT DETERMINATION ACCURACY

ST 236.0 SR 351.3 SS 454.6
 CRT .8908 CRS .9469 CST .7117
 LSA 598.9 MSA 162.8 SSA 24.4
 EL1 413.3 EL2 91.2 ALF 57.32

LAUNCH DATE DEC 10 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 236.182

RL 147.31 LAL -0.00 LOL 77.73 VL 28.050 GAL -8.58 AZL 86.63 MCA 107.68 SMA 130.75 ECC .19479 INC 3.3677 V1 30.243
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.049 GAP -4.90 AZP 91.02 TAL 221.41 TAP 329.09 RCA 105.28 APO 156.22 V2 35.160
 RC 64.180 GL 19.02 GP .72 ZAL 142.70 ZAP 38.62 ETS 357.96 ZAE 154.89 ETE 341.70 ZAC 62.15 ETC 163.12 CLP -38.62

PLANETOCENTRIC CONIC

C3 25.001 VML 5.000 DLA -3.07 RAL 289.31 RAD 6568.0 VEL 12.099 PTH 2.17 VMP 4.407 DPA -14.92 RAP 329.87 ECC 1.4114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 51 2173.38 -18.55 38.89 153.52 111.79 2 24 3 1573.4 -15.43 31.60
 90.00 13 0 22 5007.62 22.88 220.10 155.17 72.85 14 23 50 4407.6 20.32 212.37
 100.00 3 7 46 1915.60 -19.65 19.45 153.04 112.99 3 39 42 1315.6 -16.36 12.20
 100.00 14 25 9 4740.63 24.02 200.07 154.77 71.65 15 42 9 4140.6 21.28 192.34
 110.00 4 12 44 1712.24 -22.59 2.57 151.60 116.37 4 41 16 1112.2 -18.86 355.42
 110.00 15 34 40 4516.76 27.05 181.85 153.54 68.26 16 49 57 3916.8 23.86 174.14

DIFFERENTIAL CORRECTIONS

TDE -.1749 TRA -.2928 TC3 .4442 BAU .1543
 RDE -.3013 RRA .0381 RC3 -.1261 FAU .09956
 FDE 1.0378 FRA -1.3002 FC3-3.4477 BSP 1507
 BDE .3484 BRA .2953 BC3 .4618 FSP -1000

MID-COURSE EXECUTION ACCURACY

SGT 592.0 SGR 370.1 SG3 340.5
 RRT -.0068 RRF -.0282 RTF -.5439
 SGB 698.2 R23 .0342 R13 .5437
 SG1 592.0 SG2 370.1 THA 179.60

ORBIT DETERMINATION ACCURACY

ST 224.8 SR 345.5 SS 485.4
 CRT .8735 CRS .9445 CST .6793
 LSA 613.7 MSA 168.1 SSA 24.0
 EL1 401.3 EL2 94.2 ALF 58.45

LAUNCH DATE DEC 10 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 242.804

RL 147.31 LAL -0.00 LOL 77.73 VL 28.103 GAL -8.55 AZL 86.64 MCA 110.91 SNA 131.14 ECC .19231 INC 3.3626 V1 30.243
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.077 GAP -4.27 AZP 91.20 TAL 222.07 TAP 332.98 RCA 105.92 APO 156.35 V2 35.149
 RC 66.268 GL -19.16 GP .78 ZAL 143.06 ZAP 42.96 ETS 357.96 ZAE 157.10 ETE 340.84 ZAC 61.07 ETC 162.94 CLP -42.95

PLANETOCENTRIC CONIC

C3 24.669 VHL 4.967 DLA -2.99 RAL 288.81 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 4.144 DPA -15.22 RAP 328.76 ECC 1.4060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 20 2172.39 -18.52 38.83 152.82 111.81 2 21 32 1572.4 -15.40 31.94
 90.00 12 58 57 5002.03 22.77 219.73 154.41 72.70 14 22 19 4402.0 20.19 212.01
 100.00 3 5 16 1914.50 -19.62 19.39 152.35 113.02 3 37 11 1314.5 -16.33 12.13
 100.00 14 21 41 4735.15 23.90 199.71 154.02 71.49 15 40 36 4135.2 21.15 191.99
 110.00 4 10 19 1710.89 -22.54 2.49 150.90 116.40 4 38 50 1110.9 -18.82 355.34
 110.00 15 33 8 4511.53 26.92 181.50 152.79 68.09 16 48 19 3911.5 23.71 173.81

DIFFERENTIAL CORRECTIONS

TDE -.1593 TRA -.3073 TC3 .3993 BAU .1377
 RDE -.2935 RRA .0378 RC3 -.1221 FAU .11082
 FDE 1.1694 FRA -1.4825 FC3 -3.8892 BSP 1317
 BDE .3340 BRA .3097 BC3 .4175 FSP -1138

MID-COURSE EXECUTION ACCURACY

SGT 563.1 SGR 362.3 SG3 383.3
 RRT -.0068 RRF -.0391 RTF -.4692
 SGB 669.6 R23 .0446 R13 .4690
 SGI 563.2 SG2 362.3 TMA 179.57

ORBIT DETERMINATION ACCURACY

ST 212.8 SR 338.8 SS 518.4
 CRT .8432 CRS .9436 CST .6316
 LSA 631.1 MSA 173.3 SBA 23.5
 EL1 387.4 EL2 100.0 ALF 59.88

LAUNCH DATE DEC 10 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 249.395

RL 147.31 LAL -0.00 LOL 77.73 VL 28.145 GAL -8.51 AZL 86.64 MCA 114.14 SNA 131.45 ECC .19017 INC 3.3573 V1 30.243
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.098 GAP -3.66 AZP 91.37 TAL 222.60 TAP 336.74 RCA 106.45 APO 156.44 V2 35.138
 RC 68.394 GL 19.29 GP .85 ZAL 143.33 ZAP 47.55 ETS 357.95 ZAE 159.63 ETE 339.50 ZAC 59.74 ETC 162.71 CLP -47.54

PLANETOCENTRIC CONIC

C3 24.358 VHL 4.935 DLA -2.92 RAL 288.42 RAD 6568.0 VEL 12.072 PTH 2.16 VHP 3.909 DPA -15.59 RAP 327.40 ECC 1.4009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 13 2171.63 -18.50 38.78 152.25 111.82 2 19 25 1571.6 -15.38 31.50
 90.00 12 57 59 4996.54 22.66 219.37 153.79 72.55 14 21 15 4396.5 20.06 211.66
 100.00 3 3 12 1913.64 -19.59 19.33 151.77 113.04 3 35 6 1313.6 -16.31 12.08
 100.00 14 20 41 4729.78 23.78 199.35 153.39 71.33 15 39 31 4129.8 21.01 191.65
 110.00 4 8 20 1709.77 -22.51 2.42 150.33 116.43 4 36 49 1109.8 -18.78 355.27
 110.00 15 32 3 4506.41 26.79 181.16 152.15 67.93 16 47 9 3906.4 23.56 173.49

DIFFERENTIAL CORRECTIONS

TDE -.1394 TRA -.3289 TC3 .3396 BAU .1170
 RDE -.2853 RRA .0382 RC3 -.1170 FAU .12280
 FDE 1.3087 FRA -1.6733 FC3 -4.3847 BSP 1077
 BDE .3175 BRA .3311 BC3 .3592 FSP -1288

MID-COURSE EXECUTION ACCURACY

SGT 533.8 SGR 353.6 SG3 429.0
 RRT -.0112 RRF -.0523 RTF -.3573
 SGB 640.1 R23 .0594 R13 .3568
 SGI 533.6 SG2 353.5 TMA 179.24

ORBIT DETERMINATION ACCURACY

ST 198.6 SR 331.5 SS 551.4
 CRT .7904 CRS .9433 CST .5559
 LSA 648.9 MSA 178.1 SBA 23.0
 EL1 370.8 EL2 108.8 ALF 62.04

LAUNCH DATE DEC 10 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 255.953

RL 147.31 LAL -0.00 LOL 77.73 VL 28.179 GAL -8.47 AZL 86.65 MCA 117.36 SNA 131.69 ECC .18833 INC 3.3518 V1 30.243
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.112 GAP -3.08 AZP 91.54 TAL 222.99 TAP 340.36 RCA 106.89 APO 156.49 V2 35.126
 RC 70.553 GL 19.40 GP .92 ZAL 143.51 ZAP 52.38 ETS 357.92 ZAE 162.45 ETE 337.41 ZAC 58.18 ETC 162.42 CLP -52.37

PLANETOCENTRIC CONIC

C3 24.060 VHL 4.905 DLA -2.84 RAL 288.14 RAD 6568.0 VEL 12.060 PTH 2.16 VHP 3.702 DPA -16.01 RAP 325.79 ECC 1.3960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 30 2171.12 -18.49 38.75 151.78 111.84 2 17 41 1571.1 -15.37 31.47
 90.00 12 57 27 4991.03 22.55 219.00 153.27 72.40 14 20 38 4391.0 19.93 211.31
 100.00 3 1 32 1912.99 -19.58 19.29 151.31 113.05 3 33 25 1313.0 -16.29 12.04
 100.00 14 20 7 4724.40 23.66 198.99 152.87 71.18 15 38 52 4124.4 20.88 191.31
 110.00 4 6 44 1708.86 -22.48 2.36 149.87 116.45 4 35 13 1108.9 -18.75 355.22
 110.00 15 31 24 4501.30 26.66 180.82 151.63 67.77 16 46 25 3901.3 23.41 173.17

DIFFERENTIAL CORRECTIONS

TDE -.1141 TRA -.3571 TC3 .2654 BAU .0925
 RDE -.2767 RRA .0392 RC3 -.1107 FAU .13539
 FDE 1.4498 FRA -1.8700 FC3 -4.8714 BSP 802
 BDE .2993 BRA .3593 BC3 .2875 FSP -1453

MID-COURSE EXECUTION ACCURACY

SGT 509.9 SGR 344.0 SG3 477.1
 RRT -.0247 RRF -.0676 RTF -.1977
 SGB 615.1 R23 .0766 R13 .1962
 SGI 510.0 SG2 343.8 TMA 178.25

ORBIT DETERMINATION ACCURACY

ST 183.1 SR 323.5 SS 582.8
 CRT .6978 CRS .9432 CST .4337
 LSA 666.4 MSA 182.1 SBA 22.5
 EL1 351.6 EL2 120.7 ALF 65.35

LAUNCH DATE DEC 10 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 262.479

RL 147.31 LAL -0.00 LOL 77.73 VL 28.204 GAL -8.42 AZL 86.65 MCA 120.58 SNA 131.88 ECC .18673 INC 3.3459 V1 30.243
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.119 GAP -2.52 AZP 91.70 TAL 223.26 TAP 343.84 RCA 107.25 APO 156.50 V2 35.114
 RC 72.741 GL 19.51 GP 1.00 ZAL 143.61 ZAP 57.43 ETS 357.90 ZAE 165.52 ETE 334.04 ZAC 56.40 ETC 162.07 CLP -57.42

PLANETOCENTRIC CONIC

C3 23.768 VHL 4.875 DLA -2.75 RAL 287.96 RAD 6568.0 VEL 12.048 PTH 2.15 VHP 3.524 DPA -16.49 RAP 323.95 ECC 1.3912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 9 2170.80 -18.48 38.73 151.42 111.84 2 16 20 1570.8 -15.36 31.45
 90.00 12 57 23 4985.38 22.43 218.63 152.85 72.25 14 20 28 4385.4 19.79 210.95
 100.00 3 0 13 1912.54 -19.57 19.26 150.95 113.06 3 32 5 1312.5 -16.28 12.02
 100.00 14 20 0 4718.87 23.54 198.63 152.45 71.03 15 38 39 4118.9 20.73 190.96
 110.00 4 5 31 1708.11 -22.46 2.32 149.52 116.47 4 35 59 1108.1 -18.72 355.18
 110.00 15 31 11 4496.06 26.52 180.47 151.21 67.60 16 46 7 3896.1 23.25 172.84

DIFFERENTIAL CORRECTIONS

TDE -.0853 TRA -.3943 TC3 .1725 BAU .0638
 RDE -.2676 RRA .0408 RC3 -.1030 FAU .14784
 FDE 1.5953 FRA -2.0575 FC3 -5.3848 BSP 445
 BDE .2809 BRA .3964 BC3 .2009 FSP -1614

MID-COURSE EXECUTION ACCURACY

SGT 503.6 SGR 335.6 SG3 525.1
 RRT -.0454 RRF -.0880 RTF -.0170
 SGB 604.1 R23 .0867 R13 -.0201
 SGI 504.0 SG2 335.0 TMA 176.94

ORBIT DETERMINATION ACCURACY

ST 171.6 SR 314.9 SS 614.1
 CRT .5463 CRS .9444 CST .2534
 LSA 686.1 MSA 185.8 SBA 21.8
 EL1 331.6 EL2 136.5 ALF 69.86

LAUNCH DATE DEC 10 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 14 1966

DISTANCE 268.973

MELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 28.221 GAL -8.37 AZL 86.66 HCA 123.80 SMA 132.01 ECC .18534 INC 3.3396 V1 30.243
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.121 GAP -1.99 AZP 91.86 TAL 223.39 TAP 347.20 RCA 107.54 APO 156.48 V2 35.101
 RC 74.954 GL 19.61 GP 1.09 ZAL 143.62 ZAP 62.68 ETS 357.87 ZAE 168.75 ETE 328.24 ZAC 54.43 ETC 161.66 CLP -62.67

PLANETOCENTRIC CONIC
 C3 23.477 VHL 4.845 DLA -2.66 RAL 287.88 RAD 6568.0 VEL 12.036 PTH 2.15 VHP 3.375 DPA -17.01 RAP 321.90 ECC 1.3864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 7 2170.66 -18.48 38.72 151.15 111.84 2 15 18 1570.7 -15.35 31.44
 90.00 12 57 44 4979.49 22.31 218.24 152.53 72.09 14 20 43 4379.5 19.65 210.58
 100.00 2 59 14 1912.26 -19.56 19.25 150.68 113.07 3 31 6 1312.3 -16.27 12.00
 100.00 14 20 18 4713.12 23.41 198.25 152.12 70.87 15 38 52 4113.1 20.59 190.59
 110.00 4 4 38 1707.52 -22.44 2.28 149.26 116.49 4 33 5 1107.5 -18.70 355.14
 110.00 15 31 24 4490.62 26.38 180.11 150.88 67.43 16 46 14 3890.6 23.09 172.50

MID-COURSE EXECUTION ACCURACY
 SGT 526.0 SGR 322.6 SCS 572.6
 RRT -.0600 RRF -.1118 RTF .2569
 SGB 617.0 R23 .0793 R13 -.2610
 SGI 527.0 SGI 321.0 TMA 175.53

ORBIT DETERMINATION ACCURACY
 ST 167.0 SR 305.7 SS 641.9
 CRT .3154 CRS .9455 CST .0015
 LSA 705.3 MSA 188.5 SSA 21.3
 EL1 311.8 EL2 155.4 ALF 76.92

DIFFERENTIAL CORRECTIONS
 TOE -.0512 TRA -.4382 TC3 .0640 BAU .0357
 RDE -.2582 RRA .0430 RC3 -.0939 FAU .16006
 FDE 1.7303 FRA-2.2372 FC3-5.9024 BSP 110
 BDE .2632 BRA .4404 BC3 .1136 FSP -1782

LAUNCH DATE DEC 10 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 16 1966

DISTANCE 275.435

MELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 28.232 GAL -8.31 AZL 86.67 HCA 127.02 SMA 132.09 ECC .18413 INC 3.3328 V1 30.243
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.117 GAP -1.48 AZP 92.01 TAL 223.41 TAP 350.43 RCA 107.77 APO 156.41 V2 35.089
 RC 77.191 GL 19.71 GP 1.17 ZAL 143.56 ZAP 68.07 ETS 357.85 ZAE 171.93 ETE 317.02 ZAC 52.33 ETC 161.18 CLP -68.06

PLANETOCENTRIC CONIC
 C3 23.182 VHL 4.815 DLA -2.56 RAL 287.89 RAD 6567.9 VEL 12.023 PTH 2.15 VHP 3.253 DPA -17.53 RAP 319.69 ECC 1.3815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 24 2170.69 -18.48 38.72 150.97 111.84 2 14 35 1570.7 -15.35 31.44
 90.00 12 58 30 4973.27 22.18 217.83 152.28 71.93 14 21 23 4373.3 19.50 210.18
 100.00 2 58 33 1912.14 -19.55 19.24 150.50 113.07 3 30 25 1312.1 -16.26 11.99
 100.00 14 21 2 4707.06 23.28 197.85 151.88 70.70 15 39 29 4107.1 20.43 190.21
 110.00 4 4 4 1707.07 -22.43 2.25 149.08 116.50 4 32 31 1107.1 -18.69 355.11
 110.00 15 32 1 4484.90 26.23 179.73 150.63 67.25 16 46 46 3884.9 22.92 172.14

MID-COURSE EXECUTION ACCURACY
 SGT 587.4 SGR 311.1 SCS 615.8
 RRT -.1210 RRF -.1426 RTF .4770
 SGB 664.8 R23 .0634 R13 -.4804
 SGI 589.1 SGI 308.0 TMA 174.95

ORBIT DETERMINATION ACCURACY
 ST 176.0 SR 296.1 SS 668.4
 CRT .0384 CRS .9480 CST -.2709
 LSA 727.0 MSA 190.9 SSA 20.6
 EL1 296.2 EL2 175.8 ALF 87.98

DIFFERENTIAL CORRECTIONS
 TOE -.0138 TRA -.4903 TC3 -.0629 BAU .0323
 RDE -.2484 RRA .0458 RC3 -.0833 FAU .17099
 FDE 1.8593 FRA-2.3867 FC3-6.3859 BSP 470
 BDE .2488 BRA .4925 BC3 .1044 FSP -1927

LAUNCH DATE DEC 10 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 18 1966

DISTANCE 281.865

MELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 28.237 GAL -8.24 AZL 86.67 HCA 130.24 SMA 132.12 ECC .18306 INC 3.3254 V1 30.243
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.109 GAP -1.00 AZP 92.15 TAL 223.31 TAP 353.55 RCA 107.93 APO 156.31 V2 35.076
 RC 79.446 GL 19.81 GP 1.26 ZAL 143.42 ZAP 73.55 ETS 357.83 ZAE 174.52 ETE 292.34 ZAC 50.14 ETC 160.64 CLP -73.55

PLANETOCENTRIC CONIC
 C3 22.879 VHL 4.783 DLA -2.45 RAL 287.98 RAD 6567.9 VEL 12.011 PTH 2.14 VHP 3.158 DPA -18.06 RAP 317.37 ECC 1.3765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 57 2170.89 -18.48 38.73 150.88 111.84 2 14 8 1570.9 -15.36 31.45
 90.00 12 59 41 4966.68 22.04 217.40 152.12 71.75 14 22 27 4366.7 19.34 209.77
 100.00 2 58 9 1912.17 -19.56 19.24 150.41 113.07 3 30 2 1312.2 -16.26 11.99
 100.00 14 22 10 4700.63 23.13 197.43 151.72 70.52 15 40 30 4100.6 20.26 189.81
 110.00 4 3 47 1706.73 -22.42 2.23 148.99 116.51 4 32 14 1106.7 -18.68 355.09
 110.00 15 33 1 4478.84 26.07 179.34 150.46 67.07 16 47 40 3878.8 22.74 171.77

MID-COURSE EXECUTION ACCURACY
 SGT 686.1 SGR 299.3 SCS 654.4
 RRT -.1693 RRF -.1780 RTF .6417
 SGB 748.5 R23 .0455 R13 -.6439
 SGI 688.3 SGI 294.0 TMA 174.83

ORBIT DETERMINATION ACCURACY
 ST 199.9 SR 286.0 SS 689.2
 CRT -.2263 CRS .9503 CST -.5094
 LSA 747.9 MSA 192.3 SSA 20.0
 EL1 292.4 EL2 190.5 ALF 105.86

DIFFERENTIAL CORRECTIONS
 TOE .0277 TRA -.5478 TC3 -.2043 BAU .0662
 RDE -.2383 RRA .0490 RC3 -.0711 FAU .18068
 FDE 1.9624 FRA-2.5118 FC3-6.8368 BSP 990
 BDE .2399 BRA .5500 BC3 .2163 FSP -2069

LAUNCH DATE DEC 10 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 20 1966

DISTANCE 288.264

MELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 28.235 GAL -8.17 AZL 86.68 HCA 133.45 SMA 132.11 ECC .18211 INC 3.3172 V1 30.243
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.096 GAP -.53 AZP 92.28 TAL 223.11 TAP 356.56 RCA 108.05 APO 156.17 V2 35.063
 RC 81.719 GL 19.90 GP 1.36 ZAL 143.21 ZAP 79.06 ETS 357.83 ZAE 175.03 ETE 248.56 ZAC 47.92 ETC 160.05 CLP -79.05

PLANETOCENTRIC CONIC
 C3 22.567 VHL 4.750 DLA -2.33 RAL 288.15 RAD 6567.9 VEL 11.998 PTH 2.14 VHP 3.089 DPA -18.55 RAP 315.01 ECC 1.3714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 46 2171.23 -18.49 38.75 150.85 111.83 2 13 57 1571.2 -15.37 31.47
 90.00 13 1 16 4959.66 21.89 216.94 152.03 71.57 14 23 55 4359.7 19.17 209.32
 100.00 2 58 2 1912.33 -19.56 19.25 150.39 113.07 3 29 54 1312.3 -16.27 12.00
 100.00 14 23 41 4693.79 22.98 196.98 151.62 70.33 15 41 55 4093.8 20.09 189.38
 110.00 4 3 47 1706.49 -22.41 2.22 148.98 116.51 4 32 14 1106.5 -18.67 355.08
 110.00 15 34 25 4472.39 25.90 178.91 150.36 66.87 16 48 58 3872.4 22.54 171.37

MID-COURSE EXECUTION ACCURACY
 SGT 817.6 SGR 287.4 SCS 684.8
 RRT -.2204 RRF -.2214 RTF .7509
 SGB 866.6 R23 .0349 R13 -.7523
 SGI 820.3 SGI 279.4 TMA 174.99

ORBIT DETERMINATION ACCURACY
 ST 237.6 SR 275.6 SS 707.5
 CRT -.4258 CRS .9538 CST -.6708
 LSA 771.5 MSA 193.3 SSA 19.2
 EL1 309.4 EL2 191.5 ALF 125.36

DIFFERENTIAL CORRECTIONS
 TOE .0714 TRA -.6108 TC3 -.3607 BAU .1102
 RDE -.2279 RRA .0525 RC3 -.0574 FAU .18798
 FDE 2.0486 FRA-2.5903 FC3-7.2117 BSP 1573
 BDE .2389 BRA .6130 BC3 .3653 FSP -2173

LAUNCH DATE DEC 10 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.228 GAL -8.09 AZL 86.69 HCA 136.66 SMA 132.06 ECC .18128 INC 3.3082 V1 30.243
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.079 GAP -.08 AZP 92.41 TAL 222.80 TAP 359.46 RCA 108.12 APO 156.00 V2 35.050
 RC 84.008 GL 20.00 GP 1.46 ZAL 142.93 ZAP 84.52 ETS 357.84 ZAE 172.90 ETE 216.20 ZAC 45.75 ETC 159.42 CLP -84.52

DISTANCE 294.632

PLANETOCENTRIC CONIC
 C3 22.243 VHL 4.716 DLA -2.20 RAL 288.41 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 3.045 OPA -19.00 RAP 312.68 ECC 1.3661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 50 2171.69 -18.51 38.78 150.90 111.82 2 14 2 1571.7 -15.38 31.50
 90.00 13 3 13 4952.19 21.72 216.45 152.00 71.38 14 25 46 4352.2 18.98 208.85
 100.00 2 58 9 1912.60 -19.57 19.27 150.44 113.06 3 30 2 1312.6 -16.28 12.02
 100.00 14 25 35 4686.51 22.81 196.50 151.59 70.14 15 43 42 4086.5 19.90 188.92
 110.00 4 4 3 1706.33 -22.41 2.21 149.03 116.52 4 32 29 1106.3 -18.66 355.07
 110.00 15 36 11 4465.54 25.72 178.47 150.33 66.66 16 50 37 3865.5 22.34 170.94

DIFFERENTIAL CORRECTIONS
 TDE .1172 TRA -.6765 TC3 -.5279 BAU .1575
 RDE -.2172 RRA .0564 RC3 -.0421 FAU .19336
 FDE 2.0966 FRA-2.6348 FC3-7.5259 BSP 2185
 BDE .2468 BRA .6788 BC3 .5295 FSP -2269

MID-COURSE EXECUTION ACCURACY
 SGT 971.9 SGR 275.5 SG3 708.0
 RRT -.2768 RRF -.2700 RTF .8202
 SGB 1010.2 R23 .0258 R13 -.8210
 SG1 975.1 SG2 263.9 THA 175.16

ORBIT DETERMINATION ACCURACY
 ST 285.2 SR 264.7 S5 718.3
 CRT -.5645 CRS .9569 CST -.7740
 LSA 793.5 MSA 193.3 SSA 18.6
 EL1 344.5 EL2 180.9 ALF 138.78

LAUNCH DATE DEC 10 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.217 GAL -8.00 AZL 86.70 HCA 139.87 SMA 131.98 ECC .18053 INC 3.2981 V1 30.243
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.058 GAP .35 AZP 92.52 TAL 222.40 TAP 2.27 RCA 108.15 APO 155.80 V2 35.036
 RC 86.309 GL 20.09 GP 1.56 ZAL 142.58 ZAP 89.87 ETS 357.88 ZAE 169.72 ETE 201.40 ZAC 43.69 ETC 158.78 CLP -89.87

DISTANCE 300.971

PLANETOCENTRIC CONIC
 C3 21.907 VHL 4.680 DLA -2.06 RAL 288.74 RAD 6567.9 VEL 11.970 PTH 2.13 VHP 3.023 OPA -19.39 RAP 310.44 ECC 1.3605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 8 2172.26 -18.52 38.82 151.01 111.81 2 14 20 1572.3 -15.40 31.54
 90.00 13 5 34 4944.23 21.55 215.93 152.04 71.17 14 27 58 4344.2 18.78 208.35
 100.00 2 58 31 1912.97 -19.58 19.29 150.55 113.05 3 30 24 1313.0 -16.29 12.04
 100.00 14 27 52 4678.76 22.63 196.00 151.62 69.93 15 45 51 4078.8 19.69 188.44
 110.00 4 4 33 1706.24 -22.40 2.20 149.15 116.52 4 33 0 1106.2 -18.66 355.07
 110.00 15 38 19 4458.26 25.52 177.99 150.36 66.45 16 52 37 3858.3 22.11 170.50

DIFFERENTIAL CORRECTIONS
 TDE .1634 TRA -.7440 TC3 -.7047 BAU .2065
 RDE -.2062 RRA .0602 RC3 -.0257 FAU .19563
 FDE 2.1278 FRA-2.6235 FC3-7.7310 BSP 2827
 BDE .2631 BRA .7484 BC3 .7052 FSP -2309

MID-COURSE EXECUTION ACCURACY
 SGT 1142.7 SGR 264.1 SG3 720.2
 RRT -.3375 RRF -.3273 RTF .8634
 SGB 1172.8 R23 .0229 R13 -.8639
 SG1 1146.3 SG2 247.8 THA 175.32

ORBIT DETERMINATION ACCURACY
 ST 339.3 SR 253.4 S5 727.6
 CRT -.6573 CRS .9614 CST -.8344
 LSA 819.2 MSA 193.3 SSA 17.7
 EL1 389.4 EL2 166.4 ALF 147.13

LAUNCH DATE DEC 10 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.201 GAL -7.90 AZL 86.71 HCA 143.07 SMA 131.86 ECC .17987 INC 3.2865 V1 30.243
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.034 GAP .76 AZP 92.63 TAL 221.90 TAP 4.98 RCA 108.14 APO 155.58 V2 35.023
 RC 88.623 GL 20.18 GP 1.68 ZAL 142.17 ZAP 95.05 ETS 357.94 ZAE 166.30 ETE 193.99 ZAC 41.79 ETC 158.15 CLP -95.05

DISTANCE 307.281

PLANETOCENTRIC CONIC
 C3 21.556 VHL 4.643 DLA -1.92 RAL 289.14 RAD 6567.9 VEL 11.956 PTH 2.13 VHP 3.021 OPA -19.70 RAP 308.37 ECC 1.3548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 40 2172.89 -18.54 38.86 151.19 111.80 2 14 53 1572.9 -15.41 31.57
 90.00 13 8 16 4935.82 21.36 215.39 152.13 70.96 14 30 31 4335.8 18.57 207.83
 100.00 2 59 7 1913.38 -19.59 19.32 150.73 113.04 3 31 0 1313.4 -16.30 12.07
 100.00 14 30 30 4670.56 22.44 195.47 151.72 69.71 15 48 20 4070.6 19.47 187.93
 110.00 4 5 19 1706.16 -22.40 2.20 149.34 116.52 4 33 45 1106.2 -18.66 355.06
 110.00 15 40 47 4450.55 25.31 177.49 150.44 66.22 16 54 58 3850.5 21.88 170.02

DIFFERENTIAL CORRECTIONS
 TDE .2094 TRA -.8112 TC3 -.8880 BAU .2559
 RDE -.1949 RRA .0640 RC3 -.0080 FAU .19562
 FDE 2.1280 FRA-2.5729 FC3-7.8564 BSP 3478
 BDE .2861 BRA .8137 BC3 .8880 FSP -2324

MID-COURSE EXECUTION ACCURACY
 SGT 1322.8 SGR 253.3 SG3 724.0
 RRT -.4036 RRF -.3905 RTF .8910
 SGB 1346.9 R23 .0214 R13 -.8914
 SG1 1326.9 SG2 231.0 THA 175.44

ORBIT DETERMINATION ACCURACY
 ST 397.1 SR 241.7 S5 731.5
 CRT -.7218 CRS .9659 CST -.8721
 LSA 844.9 MSA 192.7 SSA 16.8
 EL1 439.6 EL2 151.1 ALF 152.81

LAUNCH DATE DEC 10 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.182 GAL -7.79 AZL 86.73 HCA 146.28 SMA 131.71 ECC .17928 INC 3.2730 V1 30.243
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.007 GAP 1.15 AZP 92.72 TAL 221.33 TAP 7.60 RCA 108.10 APO 155.33 V2 35.010
 RC 90.946 GL 20.26 GP 1.81 ZAL 141.69 ZAP 100.01 ETS 358.03 ZAE 162.91 ETE 189.69 ZAC 40.09 ETC 157.57 CLP -100.01

DISTANCE 313.564

PLANETOCENTRIC CONIC
 C3 21.192 VHL 4.603 DLA -1.77 RAL 289.62 RAD 6567.9 VEL 11.940 PTH 2.12 VHP 3.038 OPA -19.94 RAP 306.51 ECC 1.3488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 26 2173.52 -18.55 38.90 151.42 111.78 2 15 39 1573.5 -15.43 31.61
 90.00 13 11 18 4926.97 21.17 214.81 152.28 70.74 14 33 25 4327.0 18.35 207.27
 100.00 2 59 57 1913.78 -19.60 19.34 150.96 113.03 3 31 51 1313.8 -16.31 12.09
 100.00 14 33 27 4661.95 22.23 194.91 151.86 69.49 15 51 9 4061.9 19.24 187.39
 110.00 4 6 19 1706.05 -22.40 2.19 149.58 116.52 4 34 45 1106.0 -18.65 355.06
 110.00 15 43 35 4442.44 25.09 176.97 150.59 65.98 16 57 38 3842.4 21.63 169.53

DIFFERENTIAL CORRECTIONS
 TDE .2540 TRA -.8767 TC3-1.0759 BAU .3048
 RDE -.1832 RRA .0677 RC3 .0111 FAU .19365
 FDE 2.0962 FRA-2.4928 FC3-7.9109 BSP 4135
 BDE .3132 BRA .8793 BC3 1.0759 FSP -2326

MID-COURSE EXECUTION ACCURACY
 SGT 1507.6 SGR 243.4 SG3 720.2
 RRT -.4748 RRF -.4588 RTF .9093
 SGB 1527.2 R23 .0207 R13 -.9096
 SG1 1512.2 SG2 213.5 THA 175.53

ORBIT DETERMINATION ACCURACY
 ST 456.2 SR 229.5 S5 729.4
 CRT -.7680 CRS .9702 CST -.8964
 LSA 869.5 MSA 191.4 SSA 15.9
 EL1 492.2 EL2 136.2 ALF 157.02

LAUNCH DATE DEC 10 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.158 GAL -7.68 AZL 86.74 HCA 149.48 SMA 131.94 ECC .17876 INC 3.2571 V1 30.243
 RP 108.29 LAP 1.65 LOP 227.25 VP 37.978 GAP 1.53 A7P 92.81 TAL 220.67 TAP 10.15 RCA 108.03 APO 155.06 V2 34.996
 RC 93.279 GL 20.34 GP 1.95 ZAL 141.16 ZAP 104.72 ETS 358.16 ZAE 159.67 ETE 186.88 ZAC 38.62 ETC 157.08 CLP-104.73

DISTANCE 319.819

PLANETOCENTRIC CONIC
 C3 20.812 VHL 4.562 DLA -1.61 RAL 290.17 RAD 6567.8 VEL 11.924 PTH 2.12 VHP 3.071 DPA -20.09 RAP 304.90 ECC 1.3425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 27 2174.06 -18.56 38.93 151.71 111.77 2 16 41 1574.1 -15.45 31.64
 90.00 13 14 38 4917.75 20.96 214.22 152.48 70.51 14 36 36 4317.8 -18.11 206.70
 100.00 3 1 2 1914.08 -19.61 19.36 151.26 113.03 3 32 56 1314.1 -16.32 12.11
 100.00 14 36 44 4652.96 22.02 194.33 152.07 69.25 15 54 17 4053.0 19.00 186.83
 110.00 4 7 34 1705.83 -22.39 2.18 149.88 116.53 4 36 0 1105.8 -18.65 355.04
 110.00 15 46 42 4433.98 24.85 176.42 150.79 65.74 17 0 36 3834.0 21.36 169.01

DIFFERENTIAL CORRECTIONS
 TDE .2971 TRA -.9390 TC3-1.2659 BAU .3523 SGT 1692.7 SGR 234.7 SG3 708.4 ST 515.5 SR 216.9 SS 725.9
 RDE -.1714 RRA .0710 RC3 .0311 FAU .18942 RRT -.5495 RRF -.5325 RTF .9213 CRT -.8033 CRS .9751 CST -.9117
 FDE 2.0512 FRA-2.3756 FC3-7.8796 BSP 4777 SGB 1708.9 R23 .0232 R13 -.9215 LSA 896.3 MSA 190.4 SSA 14.8
 BDE .3430 BRA .9417 BC3 1.2663 FSP -2288 SG1 1697.7 SG2 195.5 TMA 175.58 EL1 545.8 EL2 122.0 ALF 160.30

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.132 GAL -7.55 AZL 86.76 HCA 152.68 SMA 131.35 ECC .17830 INC 3.2379 V1 30.243
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.946 GAP 1.90 A7P 92.88 TAL 219.94 TAP 12.61 RCA 107.93 APO 154.77 V2 34.983
 RC 95.621 GL 20.40 GP 2.13 ZAL 140.56 ZAP 109.16 ETS 358.33 ZAE 156.63 ETE 184.87 ZAC 37.40 ETC 156.72 CLP-109.17

DISTANCE 326.048

PLANETOCENTRIC CONIC
 C3 20.417 VHL 4.518 DLA -1.45 RAL 290.78 RAD 6567.8 VEL 11.908 PTH 2.12 VHP 3.117 DPA -20.14 RAP 303.56 ECC 1.3360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 44 2174.36 -18.57 38.95 152.05 111.77 2 17 58 1574.4 -15.46 31.66
 90.00 13 18 16 4908.28 20.74 213.61 152.74 70.28 14 40 4 4308.3 17.87 206.11
 100.00 3 2 24 1914.14 -19.61 19.36 151.60 113.03 3 34 18 1314.1 -16.32 12.11
 100.00 14 40 17 4643.73 21.79 193.73 152.32 69.02 15 57 41 4043.7 18.75 186.26
 110.00 4 9 6 1705.36 -22.38 2.15 150.23 116.54 4 37 31 1105.4 -18.63 355.01
 110.00 15 50 5 4425.27 24.61 175.87 151.04 65.49 17 3 50 3825.3 21.09 168.48

DIFFERENTIAL CORRECTIONS
 TDE .3373 TRA -.9975 TC3-1.4587 BAU .3984 SGT 1878.5 SGR 227.8 SG3 692.2 ST 573.2 SR 204.0 SS 717.4
 RDE -.1593 RRA .0740 RC3 .0527 FAU .18410 RRT -.6269 RRF -.6088 RTF .9295 CRT -.8309 CRS .9797 CST -.9220
 FDE 1.9828 FRA-2.2430 FC3-7.8064 BSP 5419 SGB 1890.3 R23 .0268 R13 -.9297 LSA 921.4 MSA 188.9 SSA 13.6
 BDE .3730 BRA 1.0002 BC3 1.4596 FSP -2248 SG1 1882.0 SG2 177.0 TMA 175.61 EL1 598.6 EL2 108.7 ALF 162.95

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.103 GAL -7.42 AZL 86.79 HCA 155.87 SMA 131.14 ECC .17789 INC 3.2140 V1 30.243
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.912 GAP 2.25 A7P 92.93 TAL 219.13 TAP 15.01 RCA 107.81 APO 154.46 V2 34.970
 RC 97.969 GL 20.45 GP 2.34 ZAL 139.92 ZAP 113.32 ETS 358.56 ZAE 153.82 ETE 183.32 ZAC 36.41 ETC 156.52 CLP-113.34

DISTANCE 332.252

PLANETOCENTRIC CONIC
 C3 20.005 VHL 4.473 DLA -1.30 RAL 291.47 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 3.176 DPA -20.10 RAP 302.50 ECC 1.3292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 21 2174.18 -18.57 38.94 152.45 111.77 2 19 35 1574.2 -15.45 31.65
 90.00 13 22 8 4898.73 20.52 212.99 153.06 70.05 14 43 46 4298.7 17.62 205.52
 100.00 3 4 5 1913.74 -19.60 19.34 152.00 113.03 3 35 59 1313.7 -16.31 12.09
 100.00 14 44 5 4634.41 21.56 193.13 152.64 68.78 16 1 19 4034.4 18.49 185.69
 110.00 4 10 57 1704.45 -22.35 2.09 150.64 116.56 4 39 21 1104.4 -18.60 354.96
 110.00 15 53 42 4416.46 24.36 175.30 151.35 65.24 17 7 19 3816.5 20.81 167.95

DIFFERENTIAL CORRECTIONS
 TDE .3752 TRA-1.0502 TC3-1.6513 BAU .4421 SGT 2055.2 SGR 223.1 SG3 670.5 ST 629.3 SR 190.9 SS 708.9
 RDE -.1472 RRA .0765 RC3 .0758 FAU .17727 RRT -.7037 RRF -.6865 RTF .9348 CRT -.8543 CRS .9846 CST -.9283
 FDE 1.9105 FRA-2.0861 FC3-7.6716 BSP 6023 SGB 2067.3 R23 .0348 R13 -.9350 LSA 948.4 MSA 188.1 SSA 12.3
 BDE .4031 BRA 1.0530 BC3 1.6530 FSP -2174 SG1 2061.2 SG2 158.0 TMA 175.61 EL1 650.6 EL2 96.0 ALF 165.14

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.071 GAL -7.28 AZL 86.82 HCA 159.07 SMA 130.91 ECC .17755 INC 3.1835 V1 30.243
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.877 GAP 2.59 A7P 92.97 TAL 218.27 TAP 17.33 RCA 107.66 APO 154.15 V2 34.957
 RC 100.323 GL 20.46 GP 2.62 ZAL 139.22 ZAP 117.20 ETS 358.87 ZAE 151.23 ETE 182.01 ZAC 35.66 ETC 156.54 CLP-117.23

DISTANCE 338.432

PLANETOCENTRIC CONIC
 C3 19.574 VHL 4.424 DLA -1.17 RAL 292.23 RAD 6567.8 VEL 11.872 PTH 2.11 VHP 3.244 DPA -19.94 RAP 301.72 ECC 1.3221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 24 2173.10 -18.54 38.87 152.89 111.79 2 21 37 1573.1 -15.42 31.59
 90.00 13 26 8 4889.47 20.31 212.40 153.43 69.83 14 47 37 4289.5 17.38 204.95
 100.00 3 6 12 1912.46 -19.56 19.26 152.44 113.06 3 38 4 1312.5 -16.27 12.01
 100.00 14 46 1 4625.34 21.34 192.55 153.01 68.56 16 5 6 4025.3 18.24 185.13
 110.00 4 13 12 1702.74 -22.30 1.99 151.09 116.61 4 41 35 1102.7 -18.54 354.86
 110.00 15 57 30 4407.83 24.11 174.76 151.72 65.00 17 10 58 3807.8 20.54 167.43

DIFFERENTIAL CORRECTIONS
 TDE .4082 TRA-1.0983 TC3-1.8481 BAU .4844 SGT 2231.0 SGR 221.5 SG3 647.5 ST 681.2 SR 177.6 SS 695.2
 RDE -.1351 RRA .0788 RC3 .1014 FAU .17020 RRT -.7777 RRF -.7618 RTF .9386 CRT -.8734 CRS .9888 CST -.9323
 FDE 1.8193 FRA-1.9290 FC3-7.5279 BSP 6639 SGB 2242.0 R23 .0462 R13 -.9388 LSA 971.4 MSA 187.1 SSA 11.0
 BDE .4300 BRA 1.1011 BC3 1.8509 FSP -2111 SG1 2237.7 SG2 138.8 TMA 175.57 EL1 698.9 EL2 84.3 ALF 166.98

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.037 GAL -7.13 AZL 86.86 HCA 162.28 SMA 130.66 ECC .17725 INC 3.1422 V1 30.243
 RP 108.44 LAP .96 LOP 240.01 VP 37.840 GAP 2.92 AZP 92.99 TAL 217.34 TAP 19.60 RCA 107.50 APO 153.82 V2 34.945
 RC 102.682 GL 20.41 GP 3.00 ZAL 136.48 ZAP 120.81 ETS 359.30 ZAE 148.88 ETE 180.81 ZAC 35.12 ETC 156.82 CLP-120.86

PLANETOCENTRIC CONIC
 C3 19.120 VHL 4.373 DLA -1.08 RAL 293.08 RAD 6567.8 VEL 11.853 PTH 2.10 VMP 3.320 DPA -19.64 RAP 301.20 ECC 1.3147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 2 2170.41 -18.47 38.70 153.37 111.85 2 24 13 1970.4 -15.35 31.42
 90.00 13 30 8 4881.07 20.11 211.86 153.86 69.63 14 51 29 4281.1 17.15 204.43
 100.00 3 8 53 1909.63 -19.49 19.08 152.93 113.13 3 40 43 1309.6 -16.19 11.84
 100.00 14 51 59 4617.08 21.13 192.03 153.44 68.35 16 8 56 4017.1 18.01 184.63
 110.00 4 15 59 1699.60 -22.20 1.79 151.58 116.69 4 44 18 1099.6 -18.44 354.68
 110.00 16 1 22 4399.88 23.88 174.25 152.15 64.78 17 14 42 3799.9 20.28 166.96

DIFFERENTIAL CORRECTIONS
 TOE .4378 TRA-1.1367 TC3-2.0458 BAU .5240 SGT 2399.4 SGR 224.1 SG3 622.4 ST 729.6 SR 164.6 S5 679.9
 ROE -.1232 RRA .0806 RC3 .1303 FAU .16259 RRT -.8446 RRF -.8315 RTF .9409 CRT -.8910 CR5 .9928 CST -.9346
 FDE 1.7233 FRA-1.7637 FC3-7.3618 B9P 7210 SGB 2409.8 R23 .0651 R13 -.9412 LSA 993.5 MSA 186.2 SSA 9.6
 BOE .4548 BRA 1.1415 BC3 2.0500 FSP -2036 SG1 2406.8 SG2 119.6 THA 175.48 EL1 744.4 EL2 73.3 ALF 168.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 28.001 GAL -6.98 AZL 86.92 HCA 165.45 SMA 130.40 ECC .17702 INC 3.0838 V1 30.243
 RP 108.48 LAP .77 LOP 243.20 VP 37.802 GAP 3.23 AZP 92.99 TAL 216.36 TAP 21.80 RCA 107.32 APO 153.48 V2 34.932
 RC 105.043 GL 20.27 GP 3.54 ZAL 137.72 ZAP 124.15 ETS 359.91 ZAE 146.74 ETE 179.56 ZAC 34.77 ETC 157.47 CLP-124.23

PLANETOCENTRIC CONIC
 C3 18.635 VHL 4.317 DLA -1.07 RAL 293.98 RAD 6567.8 VEL 11.833 PTH 2.10 VMP 3.404 DPA -19.13 RAP 300.92 ECC 1.3067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 37 2164.68 -18.33 38.35 153.89 111.97 2 27 41 1564.7 -15.19 31.08
 90.00 13 33 52 4874.69 19.96 211.46 154.36 69.48 14 55 7 4274.7 16.99 204.04
 100.00 3 12 28 1903.89 -19.33 18.73 153.44 113.25 3 44 12 1303.9 -16.02 11.50
 100.00 14 55 42 4610.71 20.97 191.62 153.94 68.20 16 12 33 4010.7 17.83 184.24
 110.00 4 19 34 1693.82 -22.02 1.44 152.10 116.83 4 47 48 1093.8 -18.25 354.34
 110.00 16 5 5 4393.55 23.69 173.85 152.66 64.61 17 18 19 3793.5 20.08 166.58

DIFFERENTIAL CORRECTIONS
 TOE .4621 TRA-1.1710 TC3-2.2471 BAU .5613 SGT 2560.6 SGR 232.8 SG3 595.4 ST 772.7 SR 152.4 S5 663.7
 ROE -.1121 RRA .0821 RC3 .1644 FAU .15446 RRT -.8995 RRF -.8918 RTF .9420 CRT -.9066 CR5 .9961 CST -.9346
 FDE 1.6258 FRA-1.5894 FC3-7.1758 B9P 7744 SGB 2571.1 R23 .0987 R13 -.9424 LSA 1012.8 MSA 186.7 SSA 8.0
 BOE .4755 BRA 1.1738 BC3 2.2532 FSP -1943 SG1 2569.1 SG2 101.4 THA 175.32 EL1 785.0 EL2 63.3 ALF 169.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.963 GAL -6.81 AZL 87.01 HCA 168.63 SMA 130.13 ECC .17683 INC 2.9934 V1 30.243
 RP 108.52 LAP .59 LOP 246.38 VP 37.763 GAP 3.54 AZP 92.94 TAL 215.32 TAP 23.95 RCA 107.12 APO 153.14 V2 34.920
 RC 107.406 GL 19.93 GP 4.40 ZAL 136.96 ZAP 127.23 ETS .85 ZAE 144.80 ETE 178.06 ZAC 34.53 ETC 158.65 CLP-127.36

PLANETOCENTRIC CONIC
 C3 18.099 VHL 4.254 DLA -1.23 RAL 294.99 RAD 6567.7 VEL 11.810 PTH 2.09 VMP 3.495 DPA -18.28 RAP 300.85 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 51 2152.87 -18.02 37.61 154.41 112.22 2 32 44 1552.9 -14.86 30.37
 90.00 13 38 43 4872.85 19.91 211.34 154.95 69.44 14 57 56 4272.8 16.94 203.93
 100.00 3 17 37 1892.31 -19.02 18.01 153.97 113.50 3 49 10 1292.3 -15.68 10.81
 100.00 14 58 38 4608.63 20.92 191.49 154.54 68.15 16 15 27 4008.6 17.77 184.11
 110.00 4 24 34 1682.78 -21.68 .76 152.63 117.10 4 52 36 1082.8 -17.88 353.70
 110.00 16 8 11 4390.93 23.62 173.69 153.26 64.54 17 21 22 3790.9 19.99 166.42

DIFFERENTIAL CORRECTIONS
 TOE .4763 TRA-1.1946 TC3-2.4595 BAU .5973 SGT 2716.7 SGR 251.7 SG3 569.1 ST 805.2 SR 141.7 S5 639.7
 ROE -.1021 RRA .0839 RC3 .2092 FAU .14659 RRT -.9397 RRF -.9394 RTF .9426 CRT -.9193 CR5 .9983 CST -.9328
 FDE 1.5083 FRA-1.4197 FC3-7.0119 B9P 8274 SGB 2728.3 R23 .1542 R13 -.9430 LSA 1021.1 MSA 187.0 SSA 6.5
 BOE .4871 BRA 1.1975 BC3 2.4684 FSP -1863 SG1 2727.0 SG2 85.7 THA 175.02 EL1 815.7 EL2 55.0 ALF 170.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.923 GAL -6.64 AZL 87.16 HCA 171.82 SMA 129.85 ECC .17671 INC 2.8341 V1 30.243
 RP 108.56 LAP .40 LOP 249.56 VP 37.722 GAP 3.83 AZP 92.81 TAL 214.23 TAP 26.05 RCA 106.90 APO 152.79 V2 34.909
 RC 109.770 GL 19.16 GP 5.92 ZAL 136.30 ZAP 130.02 ETS 2.50 ZAE 143.01 ETE 175.87 ZAC 34.32 ETC 160.87 CLP-130.28

PLANETOCENTRIC CONIC
 C3 17.465 VHL 4.179 DLA -1.79 RAL 296.14 RAD 6567.7 VEL 11.783 PTH 2.08 VMP 3.595 DPA -16.74 RAP 300.85 ECC 1.2874
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 39 2126.99 -17.35 36.01 154.91 112.73 2 41 6 1527.0 -14.12 28.82
 90.00 13 37 7 4882.13 20.13 211.93 155.68 69.66 14 58 29 4282.1 17.18 204.50
 100.00 3 26 10 1867.29 -18.33 16.47 154.47 114.03 3 57 17 1267.3 -14.93 9.33
 100.00 14 59 17 4617.06 21.13 192.03 155.27 68.35 16 16 15 4017.1 18.01 184.63
 110.00 4 32 30 1659.65 -20.96 359.36 153.12 117.64 5 0 9 1059.7 -17.09 352.36
 110.00 16 9 27 4397.47 23.81 174.10 154.02 64.71 17 22 44 3797.5 20.20 166.81

DIFFERENTIAL CORRECTIONS
 TOE .4725 TRA-1.2039 TC3-2.6902 BAU .6314 SGT 2864.0 SGR 289.8 SG3 541.2 ST 818.2 SR 134.2 S5 605.0
 ROE -.0943 RRA .0864 RC3 .2760 FAU .13833 RRT -.9617 RRF -.9726 RTF .9422 CRT -.9269 CR5 .9993 CST -.9264
 FDE 1.3656 FRA-1.2376 FC3-6.8570 B9P 8750 SGB 2878.6 R23 .2398 R13 -.9429 LSA 1008.9 MSA 189.2 SSA 4.8
 BOE .4818 BRA 1.2070 BC3 2.7043 FSP -1763 SG1 2877.5 SG2 79.0 THA 174.44 EL1 827.7 EL2 49.8 ALF 171.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 369.001

RL 147.31 LAL -.00 LOL 77.73 VL 27.882 GAL -6.46 AZL 87.52 HCA 175.00 SMA 129.56 ECC .17664 INC 2.4727 V1 30.243
 RP 108.59 LAP .22 LOP 252.73 VP 37.681 GAP 4.12 AZP 92.47 TAL 213.10 TAP 28.10 RCA 106.67 APO 152.44 V2 34.897
 RC 112.133 GL 17.09 GP 9.35 ZAL 136.00 ZAP 132.31 ETS 6.13 ZAE 141.17 ETE 171.55 ZAC 33.91 ETC 165.89 CLP-133.01

PLANETOCENTRIC CONIC

C3 16.581 VHL 4.072 DLA -3.62 RAL 297.59 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 3.719 DPA -13.28 RAP 300.73 ECC 1.2729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 4 2058.07 -15.49 31.81 155.29 114.00 2 59 22 1458.1 -12.12 24.76
 90.00 13 29 14 4927.10 21.17 214.82 156.79 70.74 14 51 21 4327.1 18.35 207.28
 100.00 3 44 43 1801.14 -16.45 12.46 154.83 115.31 4 14 44 1201.1 -12.91 5.46
 100.00 14 52 16 4659.27 22.17 194.73 156.40 69.42 16 9 56 4059.3 19.17 187.22
 110.00 4 49 4 1599.67 -19.02 355.78 153.45 118.95 5 15 44 999.7 -15.02 348.96
 110.00 16 4 24 4433.50 24.84 176.39 155.20 65.72 17 18 18 3833.5 21.35 168.98

DIFFERENTIAL CORRECTIONS

TDE .4176 TRA-1.1841 TC3-2.9693 BAU .6645 SGT 2996.7 SGR 379.4 SG3 509.3 ST 775.5 SR 133.0 SS 529.3
 RDE -.0901 RRA .0919 RC3 .4093 FAU .12920 RRT -.9646 RRF -.9919 RTF .9412 CRT -.9182 CRS .9993 CST -.9068
 FDE 1.1232 FRA-1.0286 FC3-6.7457 BSP 9147 SGB 3020.6 R23 .3145 R13 -.9425 LSA 928.8 MSA 191.4 SSA 3.2
 BDE .4272 BRA 1.1876 BC3 2.9974 FSP -1652 SG1 3019.0 SG2 99.3 TMA 173.03 EL1 785.1 EL2 52.0 ALF 171.01

LAUNCH DATE DEC 10 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 375.053

RL 147.31 LAL -.00 LOL 77.73 VL 27.840 GAL -6.27 AZL 89.13 HCA 178.18 SMA 129.26 ECC .17664 INC .8126 V1 30.243
 RP 108.63 LAP .03 LOP 255.91 VP 37.640 GAP 4.39 AZP 90.87 TAL 211.92 TAP 30.10 RCA 106.43 APO 152.09 V2 34.886
 RC 114.493 GL 6.24 GP 23.85 ZAL 137.39 ZAP 131.03 ETS 19.99 ZAE 135.97 ETE 156.02 ZAC 34.02 ETC 187.42 CLP-135.87

PLANETOCENTRIC CONIC

C3 14.813 VHL 3.849 DLA -14.06 RAL 300.79 RAD 6567.6 VEL 11.670 PTH 2.05 VHP 4.095 DPA 1.08 RAP 298.69 ECC 1.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 23 1692.52 -4.43 10.66 156.76 118.00 4 29 36 1092.5 -.65 4.02
 90.00 12 18 26 5241.67 26.65 236.19 161.72 80.05 13 45 48 4641.7 25.00 227.91
 100.00 5 15 17 1454.13 -5.46 352.56 156.19 119.43 5 39 31 854.1 -1.50 346.02
 100.00 13 47 14 4955.29 27.80 214.88 161.48 78.55 15 9 49 4355.3 25.94 206.58
 110.00 6 6 48 1292.72 -8.12 338.69 154.56 123.32 6 28 21 692.7 -3.68 332.41
 110.00 15 12 12 4689.47 30.83 193.86 160.64 74.45 16 30 21 4089.5 28.39 185.51

DIFFERENTIAL CORRECTIONS

TDE .0863 TRA -.9918 TC3-3.3636 BAU .6905 SGT 3005.1 SGR 725.3 SG3 416.3 ST 473.6 SR 96.0 SS 200.7
 RDE -.0560 RRA .0927 RC3 .9176 FAU .10488 RRT -.9422 RRF -.9997 RTF .9361 CRT -.6458 CRS .9995 CST -.6518
 FDE .3272 FRA -.5520 FC3-6.1294 BSP 8646 SGB 3091.4 R23 .3348 R13 -.9421 LSA 498.0 MSA 160.7 SSA 2.6
 BDE .0868 BRA .9962 BC3 3.4865 FSP -1261 SG1 3082.3 SG2 237.0 TMA 167.11 EL1 477.8 EL2 72.7 ALF 172.36

LAUNCH DATE DEC 10 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 381.093

RL 147.31 LAL -.00 LOL 77.73 VL 27.797 GAL -6.07 AZL 83.23 HCA 181.36 SMA 128.96 ECC .17670 INC 6.7649 V1 30.243
 RP 108.66 LAP -.16 LOP 259.08 VP 37.598 GAP 4.66 AZP 96.76 TAL 210.70 TAP 32.07 RCA 106.17 APO 151.75 V2 34.875
 RC 116.852 GL 39.80 GP -29.95 ZAL 122.49 ZAP 130.51 ETS 327.63 ZAE 127.91 ETE 209.21 ZAC 55.65 ETC 129.62 CLP-138.56

PLANETOCENTRIC CONIC

C3 25.884 VHL 5.088 DLA 19.39 RAL 296.61 RAD 6568.0 VEL 12.135 PTH 2.17 VHP 4.419 DPA -51.63 RAP 311.38 ECC 1.4260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 7 35 2929.64 -28.26 91.30 169.90 88.06 23 56 24 2329.6 -28.23 82.64
 90.00 16 34 59 4268.50 2.25 175.80 161.58 61.77 17 46 7 3668.5 -1.54 169.17
 100.00 0 44 56 2628.36 -29.89 69.18 169.94 89.45 1 28 45 2028.4 -29.64 60.38
 100.00 17 44 14 4045.01 3.68 158.58 160.79 60.31 18 51 39 3445.0 -.30 152.06
 110.00 2 19 17 2333.20 -34.06 46.65 169.83 93.12 2 58 10 1733.2 -33.25 37.51
 110.00 18 26 23 3912.94 7.23 146.37 158.59 56.50 19 31 36 3312.9 2.78 140.12

DIFFERENTIAL CORRECTIONS

TDE 1.6543 TRA-1.6014 TC3-1.9948 BAU .7038 SGT 3353.6 SGR 542.0 SG3 363.6 ST 1950.3 SR 357.3 SS 1028.6
 RDE .3167 RRA -.0478 RC3 -.3971 FAU .08674 RRT .8769 RRF .9827 RTF .9508 CRT .9688 CRS -.9962 CST -.9867
 FDE 2.3692 FRA-1.0146 FC3-2.9680 BSP 10157 SGB 3397.1 R23 .2995 R13 .9541 LSA 2227.5 MSA 166.3 SSA .3
 BDE 1.6843 BRA 1.6021 BC3 2.0339 FSP -1201 SG1 3387.3 SG2 257.9 TMA 8.11 EL1 1980.8 EL2 87.2 ALF 10.08

LAUNCH DATE DEC 10 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 387.109

RL 147.31 LAL -.00 LOL 77.73 VL 27.753 GAL -5.87 AZL 85.60 HCA 184.54 SMA 128.65 ECC .17683 INC 4.4038 V1 30.243
 RP 108.69 LAP -.35 LOP 262.25 VP 37.556 GAP 4.93 AZP 94.39 TAL 209.44 TAP 33.98 RCA 105.90 APO 151.40 V2 34.865
 RC 119.206 GL 29.28 GP -9.47 ZAL 127.34 ZAP 139.18 ETS 346.45 ZAE 135.83 ETE 192.04 ZAC 43.49 ETC 145.04 CLP-140.10

PLANETOCENTRIC CONIC

C3 18.786 VHL 4.334 DLA 9.21 RAL 299.33 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 4.025 DPA -31.35 RAP 307.03 ECC 1.3092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 16 2489.10 -25.14 59.65 162.42 103.47 1 36 45 1889.1 -23.04 51.61
 90.00 15 12 57 4554.07 11.21 192.00 158.41 63.82 16 28 51 3954.1 7.60 185.18
 100.00 2 21 7 2212.23 -26.27 38.97 162.10 104.81 2 57 59 1612.2 -23.90 30.92
 100.00 16 29 48 4306.18 12.24 173.24 157.88 62.51 17 41 34 3706.2 8.46 166.49
 110.00 3 39 36 1966.59 -29.26 19.31 161.09 108.52 4 12 23 1366.6 -26.45 11.25
 110.00 17 27 47 4124.58 14.96 157.89 156.31 58.90 18 36 32 3524.6 10.73 151.34

DIFFERENTIAL CORRECTIONS

TDE 1.0377 TRA-1.3939 TC3-2.9457 BAU .7402 SGT 3447.7 SGR 118.9 SG3 439.8 ST 1483.7 SR 82.6 SS 849.7
 RDE .0619 RRA .0262 RC3 -.0909 FAU .10829 RRT .6048 RRF .8218 RTF .9425 CRT .8701 CRS -.9630 CST -.9706
 FDE 1.8263 FRA -.8729 FC3-4.9903 BSP 10630 SGB 3449.7 R23 .3156 R13 .9427 LSA 1702.0 MSA 182.0 SSA 1.8
 BDE 1.0396 BRA 1.3941 BC3 2.9471 FSP -1454 SG1 3448.4 SG2 94.7 TMA 1.20 EL1 1485.4 EL2 40.7 ALF 2.78

LAUNCH DATE DEC 10 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 393.109

RL 147.31 LAL -.00 LOL 77.73 VL 27.708 GAL -5.65 AZL 86.01 MCA 187.71 SMA 128.34 ECC .17702 INC 3.9859 V1 30.243
 RP 108.72 LAP -.53 LOP 265.42 VP 37.514 GAP 5.18 AZP 93.95 TAL 208.15 TAP 35.86 RCA 105.62 APO 151.06 V2 34.856
 RC 121.537 GL 27.26 GP -5.46 ZAL 127.04 ZAP 141.79 ETS 350.89 ZAE 135.78 ETE 187.54 ZAC 42.45 ETC 149.61 CLP-142.12

PLANETOCENTRIC CONIC

C3 17.515 VML 4.185 OLA 7.51 RAL 301.01 RAD 6567.7 VEL 11.786 PTH 2.08 VHP 4.096 OPA -27.19 RAP 307.38 ECC 1.2883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 18 2418.15 -23.93 54.80 162.30 105.61 1 55 36 1818.1 -21.56 46.93
 90.00 15 6 20 4592.30 12.34 194.23 159.14 64.31 16 22 52 3992.3 8.79 187.36
 100.00 2 40 15 2144.16 -25.00 34.31 161.96 106.95 3 15 59 1544.2 -22.44 26.45
 100.00 16 24 4 4341.52 13.34 175.29 158.63 63.00 17 36 25 3741.5 9.61 168.48
 110.00 3 56 44 1904.81 -27.84 15.05 160.88 110.68 4 28 29 1304.8 -24.78 7.23
 110.00 17 24 4 4153.64 15.97 159.53 157.14 59.37 18 33 18 3553.6 11.79 152.92

DIFFERENTIAL CORRECTIONS

TOE .9582 TRA-1.3520 TC3-3.2914 BAU .7707
 ROE .0382 RRA .0364 RC3 .0245 FAU .10489
 FDE 1.6119 FRA -.7261 FC3-5.1843 BSP 11152
 BDE .9589 BRA 1.3525 BC3 3.2914 FSP -1429

MID-COURSE EXECUTION ACCURACY

SGT 3577.1 SGR 75.4 SG3 429.4
 RRT -.3026 RRF -.0637 RTF .9405
 SGB 3577.9 R23 -.2319 R13 -.9404
 SG1 3577.2 SG2 71.9 TMA 179.63

ORBIT DETERMINATION ACCURACY

ST 1428.7 SR 54.5 S5 789.5
 CRT .7732 CRS -.9125 CST -.9644
 LSA 1622.6 MSA 186.6 SSA 3.3
 EL1 1429.3 EL2 34.5 ALF 1.69

LAUNCH DATE DEC 10 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 399.094

RL 147.31 LAL -.00 LOL 77.73 VL 27.662 GAL -5.43 AZL 86.19 MCA 190.89 SMA 128.03 ECC .17730 INC 3.6102 V1 30.243
 RP 108.75 LAP -.72 LOP 268.59 VP 37.472 GAP 5.43 AZP 93.74 TAL 206.82 TAP 37.70 RCA 105.33 APO 150.73 V2 34.846
 RC 123.903 GL 26.52 GP -3.78 ZAL 126.00 ZAP 143.88 ETS 352.53 ZAE 135.18 ETE 185.48 ZAC 42.80 ETC 152.01 CLP-144.05

PLANETOCENTRIC CONIC

C3 16.801 VML 4.099 OLA 7.13 RAL 302.58 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 4.193 OPA -25.29 RAP 308.35 ECC 1.2765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 31 2396.36 -23.52 53.34 163.05 106.23 2 4 27 1796.4 -21.07 45.52
 90.00 15 9 37 4594.86 12.42 194.38 160.12 64.35 16 26 12 3994.9 8.87 187.51
 100.00 2 49 16 2123.00 -24.57 32.88 162.70 107.58 3 24 39 1523.0 -21.93 25.08
 100.00 16 27 33 4343.45 13.40 175.40 159.63 63.03 17 39 56 3743.5 9.68 168.59
 110.00 4 5 18 1885.03 -27.36 13.72 161.61 111.34 4 36 43 1285.0 -24.21 5.96
 110.00 17 28 0 4154.19 15.99 159.56 158.15 59.38 18 37 14 3554.2 11.81 152.95

DIFFERENTIAL CORRECTIONS

TOE .9508 TRA-1.3201 TC3-3.5445 BAU .7964
 ROE .0370 RRA .0372 RC3 .0866 FAU .09983
 FDE 1.4956 FRA -.5957 FC3-5.1442 BSP 11530
 BDE .9515 BRA 1.3206 BC3 3.5453 FSP -1373

MID-COURSE EXECUTION ACCURACY

SGT 3697.0 SGR 102.2 SG3 413.1
 RRT -.6218 RRF -.4814 RTF .9387
 SGB 3698.4 R23 -.1310 R13 -.9387
 SG1 3697.5 SG2 80.1 TMA 179.01

ORBIT DETERMINATION ACCURACY

ST 1444.1 SR 54.0 S5 764.2
 CRT .7651 CRS -.9103 CST -.9619
 LSA 1623.8 MSA 188.7 SSA 4.8
 EL1 1444.6 EL2 34.8 ALF 1.64

LAUNCH DATE DEC 10 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 405.063

RL 147.31 LAL -.00 LOL 77.73 VL 27.616 GAL -5.20 AZL 86.29 MCA 194.06 SMA 127.72 ECC .17765 INC 3.7137 V1 30.243
 RP 108.78 LAP -.90 LOP 271.76 VP 37.430 GAP 5.68 AZP 93.60 TAL 205.46 TAP 39.51 RCA 105.03 APO 150.40 V2 34.838
 RC 126.245 GL 26.22 GP -2.86 ZAL 124.66 ZAP 145.78 ETS 353.58 ZAE 134.53 ETE 184.28 ZAC 43.64 ETC 153.65 CLP-145.86

PLANETOCENTRIC CONIC

C3 16.262 VML 4.033 OLA 7.21 RAL 304.16 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 4.297 OPA -24.10 RAP 309.59 ECC 1.2676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 11 2391.51 -23.43 53.01 164.12 106.37 2 10 2 1791.5 -20.96 45.21
 90.00 15 16 33 4584.77 12.12 193.79 161.23 64.21 16 32 58 3984.8 8.55 186.93
 100.00 2 54 58 2118.01 -24.47 32.55 163.78 107.73 3 30 16 1518.0 -21.81 24.76
 100.00 16 34 26 4333.50 13.09 174.82 160.74 62.89 17 46 40 3733.5 9.35 168.03
 110.00 4 11 7 1879.74 -27.23 13.36 162.68 111.51 4 42 26 1279.7 -24.06 5.63
 110.00 17 34 48 4144.53 15.66 159.02 159.27 59.22 18 43 52 3544.5 11.46 152.43

DIFFERENTIAL CORRECTIONS

TOE .9646 TRA-1.2899 TC3-3.7765 BAU .8215
 ROE .0418 RRA .0348 RC3 .1292 FAU .09467
 FDE 1.4169 FRA -.4776 FC3-5.0403 BSP 11928
 BDE .9655 BRA 1.2904 BC3 3.7787 FSP -1314

MID-COURSE EXECUTION ACCURACY

SGT 3816.8 SGR 129.9 SG3 396.4
 RRT -.6614 RRF -.5672 RTF .9369
 SGB 3819.0 R23 -.0704 R13 -.9368
 SG1 3817.8 SG2 97.4 TMA 178.71

ORBIT DETERMINATION ACCURACY

ST 1481.1 SR 61.4 S5 752.6
 CRT .8021 CRS -.9342 CST -.9604
 LSA 1651.5 MSA 191.0 SSA 6.2
 EL1 1481.9 EL2 36.6 ALF 1.90

LAUNCH DATE DEC 10 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 411.016

RL 147.31 LAL -.00 LOL 77.73 VL 27.570 GAL -4.96 AZL 86.35 MCA 197.23 SMA 127.40 ECC .17808 INC 3.6521 V1 30.243
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.388 GAP 5.92 AZP 93.49 TAL 204.06 TAP 41.29 RCA 104.71 APO 150.09 V2 34.830
 RC 128.581 GL 26.11 GP -2.29 ZAL 123.15 ZAP 147.51 ETS 354.26 ZAE 133.90 ETE 183.48 ZAC 44.74 ETC 154.92 CLP-147.58

PLANETOCENTRIC CONIC

C3 15.808 VML 3.976 OLA 7.52 RAL 305.79 RAD 6567.6 VEL 11.713 PTH 2.06 VHP 4.404 OPA -23.22 RAP 311.00 ECC 1.2602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 16 2395.01 -23.50 53.25 165.40 106.27 2 14 11 1795.0 -21.04 45.43
 90.00 15 25 28 4588.40 11.64 192.84 162.44 64.00 16 41 37 3968.4 8.05 186.00
 100.00 2 59 13 2121.00 -24.53 32.75 165.05 107.64 3 34 54 1521.0 -21.88 24.95
 100.00 16 43 12 4317.64 12.60 173.90 161.95 62.67 17 55 10 3717.6 8.84 167.13
 110.00 4 15 43 1881.81 -27.28 13.49 163.97 111.45 4 47 5 1281.6 -24.12 5.75
 110.00 17 43 11 4129.80 15.14 158.19 160.48 58.98 18 52 1 3529.8 10.92 151.63

DIFFERENTIAL CORRECTIONS

TOE .9864 TRA-1.2583 TC3-4.0052 BAU .8471
 ROE .0490 RRA .0308 RC3 .1622 FAU .09007
 FDE 1.3490 FRA -.3766 FC3-4.9328 BSP 12381
 BDE .9876 BRA 1.2587 BC3 4.0085 FSP -1273

MID-COURSE EXECUTION ACCURACY

SGT 3938.2 SGR 153.6 SG3 381.2
 RRT -.8478 RRF -.5802 RTF .9357
 SGB 3941.2 R23 -.0347 R13 -.9356
 SG1 3939.5 SG2 117.0 TMA 178.55

ORBIT DETERMINATION ACCURACY

ST 1526.7 SR 71.9 S5 743.6
 CRT .8436 CRS -.9571 CST -.9601
 LSA 1688.9 MSA 191.4 SSA 7.6
 EL1 1527.9 EL2 38.6 ALF 2.28

LAUNCH DATE DEC 10 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 416.953

RL 147.31 LAL -.00 LOL 77.73 VL 27.523 GAL -4.71 AZL 86.39 MCA 200.40 SMA 127.08 ECC .17861 INC 3.6091 V1 30.243
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.346 GAP 6.15 AZP 93.38 TAL 202.64 TAP 43.04 RCA 104.39 APO 149.78 V2 34.822
 RC 130.911 GL 26.10 GP -1.89 ZAL 121.50 ZAP 149.16 ETS 354.76 ZAE 133.32 ETE 182.89 ZAC 46.02 ETC 155.99 CLP-149.21

PLANETOCENTRIC CONIC

C3 13.409 VHL 3.925 DLA 7.97 RAL 307.49 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 4.513 DPA -22.48 RAP 312.53 ECC 1.2536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 32 2403.63 -23.66 53.82 166.83 106.03 2 17 35 1803.6 -21.24 45.99
 90.00 15 36 45 4548.23 11.03 191.66 163.76 63.75 16 51 33 3948.2 7.42 184.85
 100.00 3 2 43 2128.87 -24.69 33.28 166.49 107.41 3 38 12 1528.9 -22.07 25.46
 100.00 16 53 14 4298.22 11.99 172.78 163.26 62.41 18 4 53 3698.2 8.20 166.04
 110.00 4 19 44 1887.84 -27.43 13.91 165.42 111.25 4 51 12 1287.8 -24.29 6.14
 110.00 17 52 42 4112.02 14.52 157.19 161.80 58.71 19 1 14 3512.0 10.27 150.66

DIFFERENTIAL CORRECTIONS

TDE 1.0005 TRA-1.2356 TC3-4.2645 BAU .8794
 RDE .0573 RRA .0255 RC3 .1903 FAU .08698
 FDE 1.2866 FRA -.3111 FC3-4.8872 BSP 13166
 BDE 1.0022 BRA 1.2358 BC3 4.2687 FSP -1291

MID-COURSE EXECUTION ACCURACY

SGT 4081.4 SGR 175.3 SG3 370.1
 RRT -.6242 RRF -.5806 RTF .9369
 SGB 4085.1 R23 -.0063 R13 -.9369
 SG1 4082.8 SG2 136.9 TMA 178.46

ORBIT DETERMINATION ACCURACY

ST 1562.5 SR 84.5 SS 724.2
 CRT .8749 CRS -.9718 CST -.9602
 LSA 1713.9 MSA 188.1 SSA 9.1
 EL1 1564.2 EL2 40.9 ALF 2.71

LAUNCH DATE DEC 10 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 422.881

RL 147.31 LAL -.00 LOL 77.73 VL 27.476 GAL -4.45 AZL 86.42 MCA 203.56 SMA 126.77 ECC .17921 INC 3.5772 V1 30.243
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.305 GAP 6.39 AZP 93.28 TAL 201.19 TAP 44.76 RCA 104.05 APO 149.49 V2 34.816
 RC 133.236 GL 26.14 GP -1.61 ZAL 119.72 ZAP 150.71 ETS 355.14 ZAE 132.80 ETE 182.45 ZAC 47.43 ETC 156.93 CLP-150.75

PLANETOCENTRIC CONIC

C3 15.048 VHL 3.879 DLA 8.52 RAL 309.27 RAD 6567.6 VEL 11.680 PTH 2.05 VHP 4.623 DPA -21.82 RAP 314.16 ECC 1.2477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 18 2416.07 -23.89 54.66 168.42 105.67 2 20 34 1816.1 -21.31 46.80
 90.00 15 47 11 4525.16 10.33 190.35 165.19 63.49 17 2 36 3925.2 6.69 183.54
 100.00 3 5 47 2140.38 -24.92 34.05 168.09 107.06 3 41 27 1540.4 -22.35 26.20
 100.00 17 4 23 4276.09 11.29 171.52 164.70 62.14 18 15 39 3676.1 7.47 164.80
 110.00 4 23 27 1897.30 -27.66 14.55 167.03 110.93 4 55 5 1297.3 -24.56 6.75
 110.00 18 3 12 4091.93 13.80 156.07 163.22 58.41 19 11 24 3491.9 9.53 149.58

DIFFERENTIAL CORRECTIONS

TDE 1.0735 TRA-1.1533 TC3-4.3828 BAU .8828
 RDE .0650 RRA .0187 RC3 .2127 FAU .07930
 FDE 1.2873 FRA -.1496 FC3-4.5621 BSP 12670
 BDE 1.0754 BRA 1.1534 BC3 4.3881 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 4128.4 SGR 193.0 SG3 347.7
 RRT -.5741 RRF -.5255 RTF .9291
 SGB 4132.9 R23 -.0106 R13 -.9291
 SG1 4129.9 SG2 157.9 TMA 178.46

ORBIT DETERMINATION ACCURACY

ST 1670.7 SR 96.4 SS 761.1
 CRT .9141 CRS -.9868 CST -.9612
 LSA 1828.0 MSA 195.0 SSA 9.8
 EL1 1673.0 EL2 39.1 ALF 3.02

LAUNCH DATE DEC 10 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 428.790

RL 147.31 LAL -.00 LOL 77.73 VL 27.428 GAL -4.18 AZL 86.45 MCA 206.73 SMA 126.46 ECC .17993 INC 3.5528 V1 30.243
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.265 GAP 6.62 AZP 93.17 TAL 199.72 TAP 46.45 RCA 103.70 APO 149.21 V2 34.809
 RC 135.553 GL 26.21 GP -1.39 ZAL 117.83 ZAP 152.18 ETS 355.45 ZAE 132.33 ETE 182.09 ZAC 48.94 ETC 157.78 CLP-152.21

PLANETOCENTRIC CONIC

C3 14.728 VHL 3.838 DLA 9.15 RAL 311.13 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 4.736 DPA -21.18 RAP 315.87 ECC 1.2424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 47 2431.38 -24.17 55.70 170.14 105.22 2 23 19 1831.4 -21.85 47.80
 90.00 15 59 32 4500.23 9.57 188.89 166.75 63.22 17 14 32 3900.2 5.90 182.13
 100.00 3 8 36 2154.61 -25.20 35.02 169.82 106.63 3 44 31 1554.6 -22.68 27.13
 100.00 17 16 24 4252.20 10.52 170.15 166.25 61.86 18 27 16 3652.2 6.68 163.48
 110.00 4 27 2 1909.19 -27.95 15.35 168.79 110.53 4 58 51 1309.2 -24.90 7.51
 110.00 18 14 28 4070.41 13.03 154.88 164.77 58.12 19 22 18 3470.4 8.73 148.43

DIFFERENTIAL CORRECTIONS

TDE 1.1039 TRA-1.1100 TC3-4.6152 BAU .9099
 RDE .0736 RRA .0121 RC3 .2340 FAU .07600
 FDE 1.2318 FRA -.0819 FC3-4.4672 BSP 13267
 BDE 1.1063 BRA 1.1101 BC3 4.6212 FSP -1098

MID-COURSE EXECUTION ACCURACY

SGT 4252.3 SGR 211.3 SG3 336.3
 RRT -.5407 RRF -.5058 RTF .9294
 SGB 4257.5 R23 .0028 R13 -.9294
 SG1 4253.8 SG2 177.7 TMA 178.46

ORBIT DETERMINATION ACCURACY

ST 1726.6 SR 110.1 SS 753.8
 CRT .9347 CRS -.9921 CST -.9622
 LSA 1877.3 MSA 192.0 SSA 11.1
 EL1 1729.6 EL2 39.1 ALF 3.41

LAUNCH DATE DEC 10 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 434.686

RL 147.31 LAL -.00 LOL 77.73 VL 27.581 GAL -3.90 AZL 86.47 MCA 209.90 SMA 126.14 ECC .18075 INC 3.5329 V1 30.243
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.225 GAP 6.85 AZP 93.08 TAL 198.22 TAP 48.12 RCA 103.34 APO 148.94 V2 34.804
 RC 137.863 GL 26.29 GP -1.22 ZAL 115.84 ZAP 153.58 ETS 355.72 ZAE 131.91 ETE 181.80 ZAC 50.55 ETC 158.55 CLP-153.61

PLANETOCENTRIC CONIC

C3 14.442 VHL 3.800 DLA 9.83 RAL 313.08 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 4.850 DPA -20.56 RAP 317.65 ECC 1.2377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 6 2449.27 -24.48 56.92 172.01 104.69 2 25 55 1849.3 -22.23 48.97
 90.00 16 12 46 4473.63 8.75 187.37 168.43 62.96 17 27 20 3873.6 5.06 180.64
 100.00 3 11 17 2171.29 -25.52 36.15 171.70 106.11 3 47 29 1571.3 -23.07 28.22
 100.00 17 29 16 4226.84 9.71 168.71 167.93 61.59 18 39 43 3626.8 5.84 162.06
 110.00 4 30 33 1923.26 -28.28 16.31 170.69 110.05 5 2 36 1323.3 -25.29 8.42
 110.00 18 26 30 4047.63 12.21 155.63 166.43 57.82 19 33 57 3447.6 7.87 147.21

DIFFERENTIAL CORRECTIONS

TDE 1.1458 TRA-1.0517 TC3-4.8227 BAU .9324
 RDE .0820 RRA .0048 RC3 .2325 FAU .07225
 FDE 1.1943 FRA -.0050 FC3-4.3314 BSP 13671
 BDE 1.1487 BRA 1.0517 BC3 4.8293 FSP -1065

MID-COURSE EXECUTION ACCURACY

SGT 4360.0 SGR 228.4 SG3 324.2
 RRT -.5040 RRF -.4777 RTF .9285
 SGB 4366.0 R23 .0102 R13 -.9285
 SG1 4361.5 SG2 197.2 TMA 178.48

ORBIT DETERMINATION ACCURACY

ST 1797.1 SR 123.7 SS 755.6
 CRT .9525 CRS -.9947 CST -.9635
 LSA 1944.1 MSA 189.8 SSA 12.2
 EL1 1800.9 EL2 37.6 ALF 3.75

LAUNCH DATE DEC 10 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.333 GAL -3.82 AZL 86.48 MCA 213.06 SMA 125.83 ECC .18168 INC 3.5166 V1 30.243
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.185 GAP 7.07 AZP 92.95 TAL 196.70 TAP 49.78 RCA 102.97 APO 148.69 V2 34.799
 RC 140.164 GL 26.37 GP -1.09 ZAL 113.74 ZAP 154.92 ETS 355.94 ZAE 131.54 ETE 181.57 ZAC 52.23 ETC 159.27 CLP-154.94

PLANETOCENTRIC CONIC
 CS 14.191 VHL 3.767 DLA 10.56 RAL 315.12 RAD 6567.6 VEL 11.644 PTH 2.04 VHP 4.966 DPA -19.94 RAP 319.50 ECC 1.2336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 18 2469.51 -24.83 58.30 174.03 104.07 2 28 27 1869.5 -22.65 50.31
 90.00 16 26 52 4445.66 7.88 185.77 170.26 62.71 17 40 58 3845.7 4.16 179.07
 100.00 3 13 54 2190.20 -25.87 37.45 173.73 105.52 3 50 24 1590.2 -23.49 29.46
 100.00 17 42 57 4200.20 8.84 167.21 169.74 61.33 18 52 57 3600.2 4.94 160.59
 110.00 4 34 5 1939.29 -28.65 17.41 172.74 109.50 5 6 24 1339.3 -25.72 9.46
 110.00 18 39 15 4023.88 11.35 152.33 168.24 57.54 19 46 19 3423.9 6.98 145.95

DIFFERENTIAL CORRECTIONS
 TDE 1.1932 TRA -.9845 TC3-5.0185 BAU .9535 SGT 4462.1 SGR 244.6 SG3 312.5 ST 1874.9 SR 137.3 SS 760.4
 RDE .0902 RRA -.0029 RC3 .2687 FAU .06858 RRT -.4669 RRF -.4475 RTF .9274 CRT .9667 CRS -.9948 CST -.9652
 FDE 1.1635 FRA .0698 FC3-4.1837 BSP 14028 SGB 4468.8 R23 .0153 R13 -.9274 LSA 2019.2 MSA 187.1 SSA 13.3
 BDE 1.1967 BRA .9845 BC3 5.0257 FSP -1030 SGI 4463.6 SG2 216.2 THA 178.53 EL1 1879.6 EL2 35.1 ALF 4.05

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.286 GAL -3.32 AZL 86.50 MCA 216.22 SMA 125.52 ECC .18272 INC 3.5029 V1 30.243
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.146 GAP 7.30 AZP 92.83 TAL 195.16 TAP 51.38 RCA 102.59 APO 148.46 V2 34.795
 RC 142.456 GL 26.43 GP -.98 ZAL 111.54 ZAP 156.20 ETS 356.15 ZAE 131.22 ETE 181.37 ZAC 53.99 ETC 159.93 CLP-156.21

PLANETOCENTRIC CONIC
 CS 13.979 VHL 3.739 DLA 11.34 RAL 317.26 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 5.084 DPA -19.31 RAP 321.39 ECC 1.2301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 26 2491.97 -25.19 59.84 176.21 103.38 2 30 58 1892.0 -23.10 51.80
 90.00 16 41 48 4416.54 6.97 184.12 172.22 62.49 17 55 24 3816.5 3.23 177.44
 100.00 3 16 30 2211.20 -26.25 38.90 175.91 104.84 3 53 21 1611.2 -23.95 30.85
 100.00 17 57 25 4172.55 7.93 165.66 171.70 61.08 19 6 58 3572.5 4.01 159.06
 110.00 4 37 41 1957.16 -29.05 18.65 174.95 108.86 5 10 18 1357.2 -26.20 10.63
 110.00 18 52 44 3999.35 10.45 151.00 170.18 57.27 19 59 23 3399.4 6.06 144.66

DIFFERENTIAL CORRECTIONS
 TDE 1.2449 TRA -.9078 TC3-5.2007 BAU .9734 SGT 4558.1 SGR 260.0 SG3 301.1 ST 1958.2 SR 150.8 SS 766.8
 RDE .0983 RRA -.0110 RC3 .2825 FAU .06499 RRT -.4301 RRF -.4163 RTF .9262 CRT .9778 CRS -.9930 CST -.9670
 FDE 1.1367 FRA .1429 FC3-4.0248 BSP 14350 SGB 4565.5 R23 .0188 R13 -.9262 LSA 2100.2 MSA 184.1 SSA 14.4
 BDE 1.2488 BRA .9078 BC3 5.2084 FSP -.993 SGI 4559.5 SG2 234.7 THA 178.59 EL1 1963.7 EL2 31.5 ALF 4.31

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.238 GAL -3.01 AZL 86.51 MCA 219.39 SMA 125.22 ECC .18390 INC 3.4911 V1 30.243
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.108 GAP 7.53 AZP 92.70 TAL 193.59 TAP 52.98 RCA 102.19 APO 148.24 V2 34.791
 RC 144.737 GL 26.47 GP -.89 ZAL 109.23 ZAP 157.42 ETS 356.33 ZAE 130.94 ETE 181.20 ZAC 55.80 ETC 160.55 CLP-157.44

PLANETOCENTRIC CONIC
 CS 13.808 VHL 3.716 DLA 12.15 RAL 319.49 RAD 6567.5 VEL 11.627 PTH 2.04 VHP 5.205 DPA -18.66 RAP 323.33 ECC 1.2272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 33 2516.56 -25.57 61.55 178.54 102.61 2 33 29 1916.6 -23.58 53.44
 90.00 16 57 32 4386.49 6.02 182.42 174.34 62.28 18 10 38 3786.5 2.26 175.76
 100.00 3 19 6 2234.20 -26.64 40.50 178.26 104.09 3 56 20 1634.2 -24.44 32.39
 100.00 18 12 40 4144.08 6.99 164.07 173.81 60.86 19 21 44 3544.1 3.05 157.49
 110.00 4 41 22 1976.78 -29.47 20.02 177.33 108.15 5 14 18 1376.8 -26.71 11.92
 110.00 19 6 53 3974.26 9.52 149.65 172.28 57.01 20 13 8 3374.3 5.11 143.33

DIFFERENTIAL CORRECTIONS
 TDE 1.3028 TRA -.8210 TC3-5.3652 BAU .9917 SGT 4648.4 SGR 274.6 SG3 290.2 ST 2049.4 SR 164.2 SS 775.8
 RDE .1062 RRA -.0194 RC3 .2938 FAU .06147 RRT -.3931 RRF -.3838 RTF .9248 CRT .9861 CRS -.9894 CST -.9690
 FDE 1.1155 FRA .2145 FC3-3.8549 BSP 14619 SGB 4656.5 R23 .0208 R13 -.9249 LSA 2189.9 MSA 180.8 SSA 15.3
 BDE 1.3069 BRA .8213 BC3 5.3732 FSP -.953 SGI 4649.7 SG2 252.4 THA 178.67 EL1 2055.7 EL2 27.2 ALF 4.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.191 GAL -2.69 AZL 86.52 MCA 222.55 SMA 124.91 ECC .18520 INC 3.4807 V1 30.243
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.071 GAP 7.76 AZP 92.57 TAL 192.01 TAP 54.56 RCA 101.78 APO 148.05 V2 34.788
 RC 147.008 GL 26.48 GP -.81 ZAL 106.83 ZAP 158.60 ETS 356.50 ZAE 130.69 ETE 181.05 ZAC 57.67 ETC 161.13 CLP-158.61

PLANETOCENTRIC CONIC
 CS 13.676 VHL 3.698 DLA 13.00 RAL 321.83 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 5.328 DPA -17.99 RAP 325.30 ECC 1.2251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 39 2543.21 -25.95 63.40 181.04 101.75 2 36 2 1943.2 -24.07 55.24
 90.00 17 14 4 4355.70 5.04 180.89 176.62 62.10 18 26 39 3755.7 1.27 174.04
 100.00 3 21 44 2259.12 -27.04 42.24 180.77 103.25 3 59 24 1659.1 -24.95 34.06
 100.00 18 28 39 4115.02 6.03 162.45 176.09 60.67 19 37 14 3515.0 2.07 155.90
 110.00 4 45 10 1998.08 -29.92 21.52 179.87 107.37 5 18 28 1398.1 -27.25 13.35
 110.00 19 21 43 3948.83 8.57 148.28 174.52 56.78 20 27 32 3348.8 4.14 142.00

DIFFERENTIAL CORRECTIONS
 TDE 1.3606 TRA -.7291 TC3-5.5215 BAU 1.0110 SGT 4739.7 SGR 288.7 SG3 280.1 ST 2140.0 SR 177.5 SS 782.3
 RDE .1142 RRA -.0278 RC3 .3027 FAU .05828 RRT -.3583 RRF -.3539 RTF .9242 CRT .9916 CRS -.9846 CST -.9709
 FDE 1.0922 FRA .2784 FC3-3.6897 BSP 14943 SGB 4748.4 R23 .0233 R13 -.9242 LSA 2278.5 MSA 176.7 SSA 16.2
 BDE 1.3653 BRA .7296 BC3 5.5298 FSP -.923 SGI 4740.8 SG2 269.5 THA 178.75 EL1 2147.2 EL2 22.9 ALF 4.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.144 GAL -2.37 AZL 86.53 MCA 225.71 SMA 124.61 ECC .18665 INC 3.4716 V1 30.243
 RP 108.94 LAP -2.48 LOP 303.59 VP 37.034 GAP 7.99 ATP 92.43 TAL 190.41 TAP 56.12 RCA 101.35 APO 147.87 V2 34.786
 RC 149.266 GL 26.45 GP -.75 ZAL 104.34 ZAP 159.73 ETS 356.66 ZAE 130.48 ETE 180.93 ZAC 59.59 ETC 161.67 CLP-159.74

PLANETOCENTRIC CONIC
 C3 13.592 VHL 3.687 DLA 13.87 RAL 324.27 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 5.454 DPA -17.30 RAP 327.31 ECC 1.2237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 47 2571.86 -26.33 65.42 183.70 100.81 2 38 39 1971.9 -24.57 57.19
 90.00 17 31 21 4324.37 4.04 178.93 179.07 61.95 18 43 26 3724.4 .26 172.29
 100.00 3 24 27 2285.91 -27.44 44.13 183.45 102.34 4 2 33 1685.9 -25.47 35.88
 100.00 18 45 22 4065.55 5.04 160.82 178.52 60.50 19 53 28 3485.5 1.07 154.28
 110.00 4 49 8 2020.98 -30.37 23.15 182.59 106.50 5 22 49 1421.0 -27.81 14.89
 110.00 19 37 12 3923.25 7.62 146.92 176.93 56.58 20 42 35 3323.2 3.17 140.66

MID-COURSE EXECUTION ACCURACY
 SGT 4827.2 SGR 302.2 SG3 270.4
 RRT -.3240 RRF -.3243 RTF .9238
 SGB 4836.7 R23 .0253 R13 -.9238
 SG1 4828.2 SG2 285.8 TMA 178.83

ORBIT DETERMINATION ACCURACY
 ST 2234.2 SR 190.7 SS 788.8
 CRT .9948 CRS -.9788 CST -.9730
 LSA 2370.7 MSA 172.3 SSA 17.1
 EL1 2242.3 EL2 19.3 ALF 4.85

DIFFERENTIAL CORRECTIONS
 TDE 1.4222 TRA -.6287 TC3-5.6579 BAU 1.0296
 RDE .1221 RRA -.0363 RC3 .3090 FAU .05524
 FDE 1.0709 FRA .3387 FC3-3.5183 BSP 15260
 BDE 1.4274 BRA .6298 BC3 5.6663 FSP -.895

LAUNCH DATE DEC 10 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.097 GAL -2.03 AZL 86.54 MCA 228.87 SMA 124.31 ECC .18824 INC 3.4634 V1 30.243
 RP 108.94 LAP -2.61 LOP 306.55 VP 36.998 GAP 8.22 ATP 92.28 TAL 188.80 TAP 57.67 RCA 100.91 APO-147.72 V2 34.785
 RC 151.511 GL 26.38 GP -.69 ZAL 101.75 ZAP 160.82 ETS 356.81 ZAE 130.30 ETE 180.82 ZAC 61.56 ETC 162.18 CLP-160.83

PLANETOCENTRIC CONIC
 C3 13.559 VHL 3.682 DLA 14.75 RAL 326.80 RAD 6567.5 VEL 11.617 PTH 2.04 VMP 5.583 DPA -16.59 RAP 329.34 ECC 1.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 59 2602.45 -26.70 67.58 186.54 99.79 2 41 21 2002.5 -25.08 59.29
 90.00 17 49 23 4292.72 3.03 177.16 181.69 61.83 19 0 56 3692.7 -.76 170.53
 100.00 3 27 16 2314.50 -27.84 46.16 186.30 101.34 4 5 50 1714.5 -26.00 37.84
 100.00 19 2 47 4055.93 4.04 159.18 181.12 60.36 20 10 23 3455.9 .07 152.63
 110.00 4 53 16 2045.42 -30.83 24.91 185.48 105.55 5 27 21 1445.4 -28.39 16.56
 110.00 19 53 17 3897.75 6.66 145.57 179.51 -56.39 20 58 14 3297.7 2.20 139.33

MID-COURSE EXECUTION ACCURACY
 SGT 4911.4 SGR 314.9 SG3 261.3
 RRT -.2904 RRF -.2947 RTF .9235
 SGB 4921.5 R23 .0267 R13 -.9235
 SG1 4912.2 SG2 301.3 TMA 178.93

ORBIT DETERMINATION ACCURACY
 ST 2331.8 SR 203.8 SS 795.9
 CRT .9961 CRS -.9722 CST -.9749
 LSA 2466.5 MSA 168.0 SSA 17.9
 EL1 2340.7 EL2 18.0 ALF 4.98

DIFFERENTIAL CORRECTIONS
 TDE 1.4877 TRA -.5187 TC3-5.7716 BAU 1.0478
 RDE .1302 RRA -.0447 RC3 .3125 FAU .05233
 FDE 1.0521 FRA .3975 FC3-3.3412 BSP 15565
 BDE 1.4934 BRA .5207 BC3 5.7800 FSP -.868

LAUNCH DATE DEC 10 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.050 GAL -1.67 AZL 86.54 MCA 232.03 SMA 124.02 ECC .19000 INC 3.4559 V1 30.243
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.964 GAP 8.46 ATP 92.13 TAL 187.17 TAP 59.20 RCA 100.46 APO 147.58 V2 34.784
 RC 153.743 GL 26.25 GP -.65 ZAL 99.09 ZAP 161.88 ETS 356.94 ZAE 130.15 ETE 180.74 ZAC 63.57 ETC 162.66 CLP-161.89

PLANETOCENTRIC CONIC
 C3 13.581 VHL 3.685 DLA 15.65 RAL 329.43 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 5.716 DPA -15.85 RAP 331.39 ECC 1.2235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 14 2634.91 -27.06 69.89 189.55 98.68 2 44 9 2034.9 -25.58 61.53
 90.00 18 8 7 4280.99 2.01 175.38 184.48 61.75 19 19 8 3661.0 -1.79 168.76
 100.00 3 30 11 2344.79 -28.23 48.33 189.33 100.26 4 9 16 1744.8 -26.52 39.94
 100.00 19 20 51 4026.33 3.05 157.56 183.90 60.25 20 27 57 3426.3 -.94 151.03
 110.00 4 57 36 2071.32 -31.29 26.78 188.56 104.53 5 32 7 1471.3 -28.98 18.34
 110.00 20 9 56 3872.58 5.71 144.24 182.25 56.24 21 14 28 3272.6 1.23 138.01

MID-COURSE EXECUTION ACCURACY
 SGT 4990.3 SGR 326.9 SG3 252.3
 RRT -.2572 RRF -.2652 RTF .9232
 SGB 5001.0 R23 .0277 R13 -.9233
 SG1 4991.0 SG2 315.9 TMA 179.03

ORBIT DETERMINATION ACCURACY
 ST 2431.1 SR 216.9 SS 802.0
 CRT .9956 CRS -.9650 CST -.9768
 LSA 2563.9 MSA 163.8 SSA 18.7
 EL1 2440.7 EL2 20.2 ALF 5.08

DIFFERENTIAL CORRECTIONS
 TDE 1.5565 TRA -.3993 TC3-5.8562 BAU 1.0648
 RDE .1385 RRA -.0530 RC3 .3130 FAU .04950
 FDE 1.0340 FRA .4540 FC3-3.1552 BSP 15839
 BDE 1.5627 BRA .4028 BC3 5.8645 FSP -.840

LAUNCH DATE DEC 10 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 27.003 GAL -1.31 AZL 86.55 MCA 235.19 SMA 123.73 ECC .19193 INC 3.4491 V1 30.243
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.930 GAP 8.70 ATP 91.97 TAL 185.52 TAP 60.71 RCA 99.98 APO 147.48 V2 34.784
 RC 155.982 GL 26.06 GP -.61 ZAL 96.35 ZAP 162.90 ETS 357.07 ZAE 130.02 ETE 180.66 ZAC 65.61 ETC 163.10 CLP-162.91

PLANETOCENTRIC CONIC
 C3 13.665 VHL 3.697 DLA 16.54 RAL 332.15 RAD 6567.5 VEL 11.621 PTH 2.04 VMP 5.853 DPA -15.10 RAP 333.47 ECC 1.2249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 35 2669.13 -27.39 72.34 192.73 97.50 2 47 4 2069.1 -26.06 63.92
 90.00 18 27 30 4229.43 .99 173.82 187.44 61.70 19 38 0 3629.4 -2.80 166.99
 100.00 3 33 16 2376.69 -28.60 50.63 192.54 99.10 4 12 52 1776.7 -27.04 42.17
 100.00 19 39 30 3997.10 2.06 155.95 186.85 60.17 20 46 8 3397.1 -1.93 149.43
 110.00 5 2 9 2098.55 -31.74 28.78 191.81 103.43 5 37 8 1498.5 -29.56 20.25
 110.00 20 27 6 3848.01 4.78 142.95 185.16 56.11 21 31 14 3248.0 .29 136.73

MID-COURSE EXECUTION ACCURACY
 SGT 5063.4 SGR 338.2 SG3 243.7
 RRT -.2237 RRF -.2342 RTF .9231
 SGB 5074.7 R23 .0276 R13 -.9231
 SG1 5064.0 SG2 329.6 TMA 179.14

ORBIT DETERMINATION ACCURACY
 ST 2534.0 SR 229.9 SS 808.9
 CRT .9937 CRS -.9574 CST -.9787
 LSA 2665.0 MSA 159.9 SSA 19.3
 EL1 2544.3 EL2 25.8 ALF 5.15

DIFFERENTIAL CORRECTIONS
 TDE 1.6305 TRA -.2894 TC3-5.9054 BAU 1.0803
 RDE .1470 RRA -.0611 RC3 .3104 FAU .04670
 FDE 1.0189 FRA .5087 FC3-2.9585 BSP 16057
 BDE 1.6371 BRA .2763 BC3 5.9136 FSP -.809

LAUNCH DATE DEC 10 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 487.117

RL 147.31 LAL -0.00 LOL 77.73 VL 26.957 GAL -.93 AZL 86.56 HCA 238.35 SMA 123.44 ECC .19404 INC 3.4428 V1 30.243
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.897 GAP 8.95 AZP 91.81 TAL 183.86 TAP 62.22 RCA 99.49 APO 147.39 V2 34.785
 RC 158.168 GL 25.82 GP -.57 ZAL 93.54 ZAP 163.89 ETS 357.20 ZAE 129.92 ETE 180.60 ZAC 67.69 ETC 163.52 CLP-163.90

PLANETOCENTRIC CONIC

C3 13.815 VHL 3.717 DLA 17.43 RAL 334.97 RAD 6567.5 VEL 11.628 PTH 2.04 VMP 5.994 DPA -14.31 RAP 335.56 ECC 1.2274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 3 2704.98 -27.68 74.92 196.09 96.23 2 50 8 2105.0 -26.53 66.44
 90.00 18 47 28 4198.35 -.01 171.89 190.58 61.68 19 57 26 3598.4 -3.80 165.25
 100.00 3 36 30 2410.05 -28.93 53.05 195.91 97.87 4 16 40 1810.1 -27.54 44.52
 100.00 19 58 42 3968.51 1.09 154.38 189.97 60.13 21 4 50 3368.5 -2.89 147.86
 110.00 5 6 58 2126.99 -32.17 30.89 195.24 102.25 5 42 25 1527.0 -30.15 22.26
 110.00 20 44 43 3824.34 3.88 141.71 188.23 56.01 21 48 27 3224.3 -.61 135.50

DIFFERENTIAL CORRECTIONS

TDE 1.7057 TRA -.1306 TC3-5.9289 BAU 1.0964
 RDE .1561 RRA -.0689 RC3 .3050 FAU .04413
 FDE 1.0037 FRA .5619 FC3-2.7655 BSP 16315
 BDE 1.7128 BRA .1477 BC3 5.9367 FSP -784

MID-COURSE EXECUTION ACCURACY

SGT 5136.4 SGR 348.9 SG3 235.7
 RRT -.1914 RRF -.2048 RTF .9231
 SGB 5148.2 R23 .0278 R13 -.9232
 SGI 5136.8 SG2 342.4 TMA 179.25

ORBIT DETERMINATION ACCURACY

ST 2633.5 SR 243.0 SS 814.3
 CRT .9905 CRS -.9495 CST -.9804
 LSA 2762.6 MSA 156.7 SSA 19.8
 EL1 2644.4 EL2 33.3 ALF 5.22

LAUNCH DATE DEC 10 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 492.866

RL 147.31 LAL -0.00 LOL 77.73 VL 26.911 GAL -.54 AZL 86.56 HCA 241.52 SMA 123.16 ECC .19636 INC 3.4368 V1 30.243
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.864 GAP 9.20 AZP 91.64 TAL 182.19 TAP 63.71 RCA 98.97 APO 147.34 V2 34.787
 RC 160.359 GL 25.50 GP -.54 ZAL 90.68 ZAP 164.86 ETS 357.31 ZAE 129.84 ETE 180.55 ZAC 69.80 ETC 163.91 CLP-164.86

PLANETOCENTRIC CONIC

C3 14.038 VHL 3.747 DLA 18.31 RAL 337.86 RAD 6567.6 VEL 11.637 PTH 2.04 VMP 6.141 DPA -13.51 RAP 337.67 ECC 1.2310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 39 2742.30 -27.92 77.62 199.60 94.90 2 53 21 2142.3 -26.95 69.09
 90.00 19 7 55 4168.07 -.99 170.20 193.90 61.70 20 17 23 3568.1 -4.77 163.56
 100.00 3 39 56 2444.71 -29.23 55.58 199.45 96.57 4 20 41 1844.7 -28.01 46.99
 100.00 20 18 19 3940.90 .15 152.86 193.26 60.11 21 24 0 3340.9 -3.83 146.34
 110.00 5 12 3 2156.49 -32.57 33.09 198.85 101.00 5 48 0 1556.5 -30.71 24.37
 110.00 21 2 41 3801.88 3.02 140.53 191.47 55.93 22 6 3 3201.9 -1.47 134.33

DIFFERENTIAL CORRECTIONS

TDE 1.7799 TRA .0130 TC3-5.9223 BAU 1.1129
 RDE .1657 RRA -.0762 RC3 .2967 FAU .04173
 FDE .9844 FRA .6066 FC3-2.5736 BSP 16644
 BDE 1.7876 BRA .0773 BC3 5.9297 FSP -768

MID-COURSE EXECUTION ACCURACY

SGT 5206.1 SGR 358.8 SG3 227.6
 RRT -.1602 RRF -.1768 RTF .9243
 SGB 5218.5 R23 .0284 R13 -.9243
 SGI 5206.4 SG2 354.1 TMA 179.36

ORBIT DETERMINATION ACCURACY

ST 2725.2 SR 256.2 SS 814.3
 CRT .9865 CRS -.9419 CST -.9820
 LSA 2851.6 MSA 153.1 SSA 20.2
 EL1 2736.9 EL2 41.8 ALF 5.30

LAUNCH DATE DEC 10 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 498.598

RL 147.31 LAL -0.00 LOL 77.73 VL 26.865 GAL -.13 AZL 86.57 HCA 244.68 SMA 122.88 ECC .19888 INC 3.4313 V1 30.243
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.833 GAP 9.46 AZP 91.47 TAL 180.52 TAP 65.19 RCA 98.44 APO 147.32 V2 34.789
 RC 162.536 GL 25.12 GP -.51 ZAL 87.77 ZAP 165.80 ETS 357.41 ZAE 129.78 ETE 180.50 ZAC 71.93 ETC 164.27 CLP-165.80

PLANETOCENTRIC CONIC

C3 14.342 VHL 3.787 DLA 19.16 RAL 340.82 RAD 6567.6 VEL 11.650 PTH 2.05 VMP 6.293 DPA -12.68 RAP 339.78 ECC 1.2360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 25 2780.94 -28.12 80.43 203.27 93.50 2 56 46 2180.9 -27.33 71.86
 90.00 19 28 46 4138.91 -1.93 168.57 197.37 61.74 20 37 45 3538.9 -5.70 161.91
 100.00 3 43 36 2480.49 -29.48 58.22 203.15 95.20 4 24 56 1880.5 -28.44 49.56
 100.00 20 38 17 3914.58 -.74 151.42 196.71 60.12 21 43 31 3314.6 -4.71 144.88
 110.00 5 17 26 2186.89 -32.94 35.39 202.62 99.69 5 53 53 1586.9 -31.25 26.57
 110.00 21 20 55 3780.95 2.22 139.44 194.86 55.88 22 23 56 3180.9 -2.27 133.23

DIFFERENTIAL CORRECTIONS

TDE 1.8634 TRA .1753 TC3-5.8709 BAU 1.1270
 RDE .1760 RRA -.0831 RC3 .2854 FAU .03940
 FDE .9742 FRA .6584 FC3-2.3781 BSP 16876
 BDE 1.8717 BRA .1940 BC3 5.8778 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 5272.6 SGR 367.9 SG3 220.8
 RRT -.1279 RRF -.1460 RTF .9249
 SGB 5285.4 R23 .0274 R13 -.9249
 SGI 5272.8 SG2 364.9 TMA 179.49

ORBIT DETERMINATION ACCURACY

ST 2823.6 SR 269.3 SS 820.1
 CRT .9816 CRS -.9341 CST -.9835
 LSA 2948.6 MSA 151.3 SSA 20.4
 EL1 2835.9 EL2 51.3 ALF 5.35

LAUNCH DATE DEC 10 1965

FLIGHT TIME 172.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 504.310

RL 147.31 LAL -0.00 LOL 77.73 VL 26.820 GAL .30 AZL 86.57 HCA 247.84 SMA 122.60 ECC .20163 INC 3.4260 V1 30.243
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.803 GAP 9.73 AZP 91.29 TAL 178.83 TAP 66.67 RCA 97.88 APO 147.32 V2 34.792
 RC 164.699 GL 24.68 GP -.48 ZAL 84.83 ZAP 166.71 ETS 357.51 ZAE 129.73 ETE 180.47 ZAC 74.09 ETC 164.61 CLP-166.72

PLANETOCENTRIC CONIC

C3 14.737 VHL 3.839 DLA 19.98 RAL 343.84 RAD 6567.6 VEL 11.667 PTH 2.05 VMP 6.451 DPA -11.83 RAP 341.91 ECC 1.2425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 24 2820.64 -28.25 83.33 207.08 92.06 3 0 25 2220.6 -27.66 74.71
 90.00 19 49 53 4111.24 -2.82 167.03 201.01 61.81 20 58 24 3511.2 -6.57 160.35
 100.00 3 47 31 2517.17 -29.67 60.92 206.99 93.79 4 29 28 1917.2 -28.83 52.22
 100.00 20 58 27 3889.95 -1.58 150.07 200.31 60.15 22 3 17 3289.9 -5.54 143.52
 110.00 5 23 8 2217.99 -33.27 37.75 206.54 98.33 6 0 6 1618.0 -31.77 28.85
 110.00 21 39 19 3761.89 1.49 138.44 198.40 55.85 22 42 1 3161.9 -3.00 132.24

DIFFERENTIAL CORRECTIONS

TDE 1.9451 TRA .3447 TC3-5.7696 BAU 1.1380
 RDE .1871 RRA -.0893 RC3 .2717 FAU .03671
 FDE .9603 FRA .7069 FC3-2.1563 BSP 16925
 BDE 1.9541 BRA .3560 BC3 5.7760 FSP -704

MID-COURSE EXECUTION ACCURACY

SGT 5324.5 SGR 376.3 SG3 212.6
 RRT -.0953 RRF -.1125 RTF .9242
 SGB 5337.8 R23 .0241 R13 -.9242
 SGI 5324.6 SG2 374.6 TMA 179.61

ORBIT DETERMINATION ACCURACY

ST 2910.8 SR 282.6 SS 821.2
 CRT .9763 CRS -.9265 CST -.9848
 LSA 3033.8 MSA 150.2 SSA 20.6
 EL1 2923.9 EL2 60.9 ALF 5.42

LAUNCH DATE DEC 10 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 510.001

RL 147.31 LAL -.00 LOL 77.73 VL 26.775 GAL .74 AZL 86.58 HCA 251.00 SMA 122.33 ECC .20463 INC 3.4209 V1 30.243
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.774 GAP 10.01 AZP 91.11 TAL 177.13 TAP 68.14 RCA 97.30 APO 147.36 V2 34.796
 RC 166.847 GL 24.16 GP -.46 ZAL 81.87 ZAP 167.61 ETS 357.59 ZAE 129.70 ETE 180.44 ZAC 76.28 ETC 164.92 CLP-167.62

PLANETOCENTRIC CONIC

C3 15.231 VHL 3.903 OLA 20.75 RAL 346.91 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.617 DPA -10.96 RAP 344.04 ECC 1.2507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 37 2861.17 -28.31 86.29 211.01 90.57 3 4 19 2261.2 -27.93 77.65
 90.00 20 11 8 4085.47 -3.65 165.59 204.79 61.90 21 19 14 3485.5 -7.38 158.89
 100.00 3 51 44 2554.50 -29.81 63.69 210.97 92.34 4 34 18 1954.5 -29.17 54.95
 100.00 21 18 43 3867.37 -2.34 148.83 204.06 60.19 22 23 11 3267.4 -6.29 142.27
 110.00 5 29 11 2249.59 -33.56 40.18 210.61 96.92 6 6 41 1649.6 -32.24 31.19
 110.00 21 57 45 3745.04 .85 137.56 202.07 55.83 23 0 10 3145.0 -3.64 131.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0259 TRA .5225 TC3-5.6486 BAU 1.1514 SGT 5381.3 SGR 384.0 SG3 205.5 ST 2987.4 SR 295.8 SS 817.9
 RDE .1991 RRA -.0947 RC3 .2558 FAU .03454 RRT -.0642 RRF -.0835 RTF .9253 CRT .9707 CRS -.9192 CST -.9860
 FDE .9437 FRA .7513 FC3-1.9630 BSP 17183 SGB 5395.0 R23 .0238 R13 -.9253 LSA 3107.8 MSA 149.8 SSA 20.5
 BDE 2.0357 BRA .5310 BC3 5.6544 FSP -687 SG1 5381.3 SG2 383.2 THA 179.74 EL1 3001.2 EL2 70.7 ALF 5.49

LAUNCH DATE DEC 10 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 515.670

RL 147.31 LAL -.00 LOL 77.73 VL 26.730 GAL 1.20 AZL 86.58 HCA 254.17 SMA 122.06 ECC .20790 INC 3.4161 V1 30.243
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.745 GAP 10.30 AZP 90.93 TAL 175.43 TAP 69.60 RCA 96.68 APO 147.44 V2 34.800
 RC 168.980 GL 23.59 GP -.44 ZAL 78.91 ZAP 168.49 ETS 357.66 ZAE 129.68 ETE 180.43 ZAC 78.48 ETC 165.20 CLP-168.50

PLANETOCENTRIC CONIC

C3 15.836 VHL 3.979 OLA 21.48 RAL 350.01 RAD 6567.6 VEL 11.714 PTH 2.06 VHP 6.790 DPA -10.07 RAP 346.18 ECC 1.2606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 8 2902.23 -28.30 89.30 215.07 89.07 3 8 30 2302.2 -28.13 80.64
 90.00 20 32 23 4061.98 -4.40 164.27 208.69 62.00 21 40 5 3462.0 -8.12 157.56
 100.00 3 56 16 2592.20 -29.88 66.49 215.07 90.87 4 39 29 1992.2 -29.44 57.71
 100.00 21 38 55 3847.24 -3.02 147.72 207.93 60.25 22 43 2 3247.2 -6.96 141.15
 110.00 5 35 36 2281.48 -33.79 42.64 214.81 95.48 6 13 37 1681.5 -32.67 33.58
 110.00 22 16 5 3730.73 .30 136.82 205.86 55.82 23 18 16 3130.7 -4.18 130.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1069 TRA .7122 TC3-5.4922 BAU 1.1638 SGT 5433.6 SGR 390.8 SG3 198.8 ST 3054.3 SR 308.9 SS 813.6
 RDE .2121 RRA -.0993 RC3 .2380 FAU .03244 RRT -.0334 RRF -.0539 RTF .9264 CRT .9650 CRS -.9122 CST -.9870
 FDE .9281 FRA .7952 FC3-1.7737 BSP 17416 SGB 5447.6 R23 .0227 R13 -.9264 LSA 3172.3 MSA 150.2 SSA 20.3
 BDE 2.1176 BRA .7191 BC3 5.4974 FSP -669 SG1 5433.6 SG2 390.6 THA 179.86 EL1 3068.9 EL2 80.7 ALF 5.58

LAUNCH DATE DEC 10 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 521.313

RL 147.31 LAL -.00 LOL 77.73 VL 26.686 GAL 1.67 AZL 86.59 HCA 257.33 SMA 121.80 ECC .21145 INC 3.4113 V1 30.243
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.718 GAP 10.60 AZP 90.75 TAL 173.73 TAP 71.06 RCA 96.04 APO 147.55 V2 34.805
 RC 171.096 GL 22.95 GP -.42 ZAL 75.96 ZAP 169.36 ETS 357.71 ZAE 129.67 ETE 180.41 ZAC 80.70 ETC 165.47 CLP-169.37

PLANETOCENTRIC CONIC

C3 16.564 VHL 4.070 OLA 22.15 RAL 353.13 RAD 6567.7 VEL 11.745 PTH 2.07 VHP 6.971 DPA -9.16 RAP 348.32 ECC 1.2726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 58 2943.53 -28.22 92.32 219.22 87.56 3 13 1 2343.5 -28.26 83.65
 90.00 20 53 26 4041.18 -5.07 163.10 212.72 62.10 22 0 47 3441.2 -8.76 156.37
 100.00 4 1 11 2630.01 -29.89 69.30 219.27 89.39 4 45 1 2030.0 -29.65 60.51
 100.00 21 58 53 3829.93 -3.61 146.77 211.91 60.31 23 2 43 3229.9 -7.53 140.18
 110.00 5 42 23 2313.44 -33.97 45.12 219.13 94.02 6 20 56 1713.4 -33.04 36.00
 110.00 22 34 11 3719.27 -.14 136.22 209.75 55.82 23 36 11 3119.3 -4.62 130.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1893 TRA .9137 TC3-5.3004 BAU 1.1748 SGT 5481.1 SGR 396.9 SG3 192.2 ST 3112.7 SR 321.8 SS 808.3
 RDE .2261 RRA -.1030 RC3 .2189 FAU .03037 RRT -.0023 RRF -.0230 RTF .9276 CRT .9592 CRS -.9057 CST -.9880
 FDE .9133 FRA .8383 FC3-1.5875 BSP 17605 SGB 5495.4 R23 .0209 R13 -.9276 LSA 3228.4 MSA 151.5 SSA 20.0
 BDE 2.2009 BRA .9195 BC3 5.3049 FSP -648 SG1 5481.1 SG2 396.9 THA 179.99 EL1 3128.0 EL2 90.6 ALF 5.67

LAUNCH DATE DEC 10 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 526.930

RL 147.31 LAL -.00 LOL 77.73 VL 26.642 GAL 2.17 AZL 86.59 HCA 260.50 SMA 121.54 ECC .21532 INC 3.4067 V1 30.243
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.692 GAP 10.92 AZP 90.56 TAL 172.02 TAP 72.52 RCA 95.37 APO 147.70 V2 34.811
 RC 173.196 GL 22.27 GP -.41 ZAL 73.03 ZAP 170.21 ETS 357.75 ZAE 129.67 ETE 180.41 ZAC 82.93 ETC 165.71 CLP-170.22

PLANETOCENTRIC CONIC

C3 17.431 VHL 4.175 OLA 22.76 RAL 356.25 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 7.163 DPA -8.24 RAP 350.47 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 10 2984.72 -28.06 95.32 223.45 86.06 3 17 55 2384.7 -28.31 86.66
 90.00 21 14 8 4023.50 -5.63 162.11 216.84 62.20 22 21 11 3423.5 -9.31 155.36
 100.00 4 6 31 2667.63 -29.83 72.10 223.56 87.92 4 50 59 2067.6 -29.80 63.29
 100.00 22 18 28 3815.82 -4.08 145.99 215.99 60.36 23 22 4 3215.8 -8.00 139.39
 110.00 5 49 33 2345.29 -34.10 47.59 223.54 92.56 6 28 38 1745.3 -33.37 38.43
 110.00 22 51 56 3710.93 -.45 135.78 213.73 55.82 23 53 47 3110.9 -4.94 129.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2735 TRA 1.1298 TC3-5.0728 BAU 1.1831 SGT 5523.0 SGR 402.3 SG3 185.8 ST 3163.0 SR 334.4 SS 802.2
 RDE .2412 RRA -.1055 RC3 .1988 FAU .02832 RRT .0295 RRF .0088 RTF .9289 CRT .9534 CRS -.8996 CST -.9889
 FDE .8997 FRA .8817 FC3-1.4067 BSP 17716 SGB 5537.6 R23 -.0187 R13 .9289 LSA 3276.6 MSA 153.5 SSA 19.6
 BDE 2.2862 BRA 1.1347 BC3 5.0767 FSP -625 SG1 5523.0 SG2 402.1 THA .12 EL1 3179.0 EL2 100.4 ALF 5.76

LAUNCH DATE DEC 10 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 532.516
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.599 GAL 2.70 AZL 86.60 MCA 263.66 SMA 121.28 ECC .21953 INC 3.4022 V1 30.243
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.666 GAP 11.25 AZP 90.38 TAL 170.32 TAP 73.98 RCA 94.65 APO 147.90 V2 34.817
 RC 175.278 GL 21.53 GP -3.39 ZAL 70.14 ZAP 171.05 ETS 357.75 ZAE 129.68 ETE 180.40 ZAC 85.18 ETC 165.92 CLP-171.06

PLANETOCENTRIC CONIC

C3 18.455 VHL 4.296 DLA 23.30 RAL 359.36 RAD 6567.7 VEL 11.825 PTH 2.09 VHP 7.364 DPA -7.30 RAP 352.62 ECC 1.3037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 50 3025.46 -27.84 98.28 227.75 84.59 3 23 15 2425.5 -28.30 89.64
 90.00 21 34 17 4009.35 -6.08 161.31 221.03 62.29 22 41 6 3409.3 -9.74 154.54
 100.00 4 12 17 2704.76 -29.70 74.85 227.91 86.48 4 57 22 2104.8 -29.88 66.05
 100.00 22 37 30 3805.28 -4.44 145.41 220.13 60.41 23 40 55 3205.3 -8.34 138.80
 110.00 5 57 6 2376.83 -34.17 50.06 228.02 91.11 6 36 43 1776.8 -33.64 40.85
 110.00 23 9 10 3705.97 -1.64 135.53 217.77 55.82 24 10 56 3106.0 -5.12 129.31

DIFFERENTIAL CORRECTIONS

TOE 2.3534 TRA 1.3553 TC3-4.8284 BAU 1.1921
 ROE .2574 RRA -.1070 RC3 .1783 FAU .02643
 FDE .8840 FRA .9230 FC3-1.2400 BSP 17897
 BDE 2.3675 BRA 1.3595 BC3 4.8317 FSP -607

MID-COURSE EXECUTION ACCURACY

SGT 5562.0 SGR 406.8 SG3 179.6
 RRT .0604 RRF .0395 RTF .9305
 SGB 5576.8 R23 -.0170 R13 .9305
 SG1 5562.0 SG2 406.1 THA .25

ORBIT DETERMINATION ACCURACY

ST 3196.3 SR 346.5 SS 792.9
 CRT .9477 CRS -.8937 CST -.8998
 LSA 3307.6 MSA 156.3 SSA 19.0
 EL1 3213.2 EL2 110.1 ALF 5.87

LAUNCH DATE DEC 10 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 538.067
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.556 GAL 3.25 AZL 86.60 MCA 266.83 SMA 121.03 ECC .22412 INC 3.3977 V1 30.243
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.642 GAP 11.60 AZP 90.19 TAL 168.61 TAP 73.44 RCA 93.90 APO 148.15 V2 34.824
 RC 177.341 GL 20.76 GP -3.38 ZAL 67.30 ZAP 171.88 ETS 357.73 ZAE 129.69 ETE 180.41 ZAC 87.44 ETC 166.11 CLP-171.89

PLANETOCENTRIC CONIC

C3 19.653 VHL 4.433 DLA 23.78 RAL 2.44 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 7.578 DPA -6.35 RAP 354.77 ECC 1.3234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 59 3065.37 -27.55 101.16 232.09 83.17 3 29 4 2465.4 -28.21 92.56
 90.00 21 53 42 3999.12 -6.40 160.73 225.28 62.36 23 0 21 3399.1 -10.05 153.96
 100.00 4 18 33 2741.13 -29.52 77.54 232.32 85.07 5 4 14 2141.1 -29.89 68.75
 100.00 22 55 49 3798.60 -4.66 145.04 224.32 60.44 23 59 7 3198.6 -8.56 138.43
 110.00 6 5 3 2407.91 -34.18 52.48 232.57 89.67 6 45 11 1807.9 -33.85 43.25
 110.00 23 25 48 3704.58 -1.70 135.45 221.86 55.82 24 27 32 3104.6 -5.18 129.23

DIFFERENTIAL CORRECTIONS

TOE 2.4329 TRA 1.5940 TC3-4.5618 BAU 1.1993
 ROE .2748 RRA -.1071 RC3 .1578 FAU .02460
 FDE .8692 FRA .9640 FC3-1.0835 BSP 18064
 BDE 2.4484 BRA 1.5976 BC3 4.5646 FSP -590

MID-COURSE EXECUTION ACCURACY

SGT 5596.0 SGR 410.6 SG3 173.6
 RRT .0915 RRF .0710 RTF .9322
 SGB 5611.0 R23 -.0148 R13 .9322
 SG1 5596.1 SG2 408.8 THA .39

ORBIT DETERMINATION ACCURACY

ST 3218.3 SR 358.0 SS 782.9
 CRT .9420 CRS -.8883 CST -.9905
 LSA 3327.6 MSA 159.6 SSA 18.5
 EL1 3236.0 EL2 119.5 ALF 5.99

LAUNCH DATE DEC 10 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 543.581
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.514 GAL 3.82 AZL 86.61 MCA 270.00 SMA 120.78 ECC .22911 INC 3.3933 V1 30.243
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.618 GAP 11.98 AZP 90.00 TAL 166.91 TAP 76.91 RCA 93.11 APO 148.45 V2 34.832
 RC 179.385 GL 19.95 GP -3.36 ZAL 64.52 ZAP 172.71 ETS 357.66 ZAE 129.71 ETE 180.41 ZAC 89.71 ETC 166.28 CLP-172.72

PLANETOCENTRIC CONIC

C3 21.051 VHL 4.588 DLA 24.19 RAL 5.47 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 7.805 DPA -5.39 RAP 356.92 ECC 1.3465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 41 3104.13 -27.20 103.95 236.47 81.82 3 35 25 2504.1 -28.05 95.38
 90.00 22 12 12 3993.18 -6.59 160.39 229.56 62.40 23 18 45 3393.2 -10.24 153.61
 100.00 4 25 19 2776.48 -29.29 80.14 236.77 83.72 5 11 35 2176.5 -29.85 71.38
 100.00 23 13 16 3796.05 -4.75 144.90 228.55 60.45 24 16 32 3196.1 -8.65 138.29
 110.00 6 13 22 2438.40 -34.14 54.86 237.17 88.26 6 54 1 1838.4 -34.01 45.62
 110.00 23 41 42 3706.90 -1.61 135.57 225.98 55.82 24 43 29 3106.9 -5.09 129.35

DIFFERENTIAL CORRECTIONS

TOE 2.5111 TRA 1.8471 TC3-4.2793 BAU 1.2050
 ROE .2932 RRA -.1059 RC3 .1377 FAU .02281
 FDE .8545 FRA 1.0054 FC3 -.9381 BSP 18206
 BDE 2.5282 BRA 1.8501 BC3 4.2815 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 5625.6 SGR 413.6 SG3 167.8
 RRT .1226 RRF .1025 RTF .9339
 SGB 5640.8 R23 -.0127 R13 .9339
 SG1 5625.8 SG2 410.4 THA .52

ORBIT DETERMINATION ACCURACY

ST 3228.4 SR 368.7 SS 771.8
 CRT .9364 CRS -.8830 CST -.9912
 LSA 3335.8 MSA 163.4 SSA 17.8
 EL1 3246.9 EL2 128.7 ALF 6.11

LAUNCH DATE DEC 10 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 549.050
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.472 GAL 4.43 AZL 86.61 MCA 273.17 SMA 120.53 ECC .23456 INC 3.3888 V1 30.243
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.596 GAP 12.37 AZP 89.81 TAL 165.22 TAP 78.39 RCA 92.26 APO 148.81 V2 34.840
 RC 181.409 GL 19.12 GP -3.35 ZAL 61.80 ZAP 173.53 ETS 357.53 ZAE 129.73 ETE 180.43 ZAC 91.99 ETC 166.43 CLP-173.54

PLANETOCENTRIC CONIC

C3 22.676 VHL 4.762 DLA 24.52 RAL 8.45 RAD 6567.9 VEL 12.002 PTH 2.14 VHP 8.046 DPA -4.42 RAP 359.07 ECC 1.3732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 1 3141.39 -26.81 106.60 240.86 80.54 3 42 22 2541.4 -27.85 98.09
 90.00 22 29 38 3991.84 -6.63 160.32 233.85 62.41 23 36 10 3391.8 -10.28 153.54
 100.00 4 32 36 2810.60 -29.01 82.64 241.24 82.44 5 19 27 2210.6 -29.75 73.91
 100.00 23 29 44 3797.86 -4.69 145.00 232.78 60.44 24 33 2 3197.9 -8.59 138.39
 110.00 6 22 3 2468.21 -34.06 57.19 241.79 86.89 7 3 11 1868.2 -34.11 47.94
 110.00 0 0 43 3713.01 -1.37 135.89 230.10 55.82 1 2 36 3113.0 -4.86 129.68

DIFFERENTIAL CORRECTIONS

TOE 2.5912 TRA 2.1179 TC3-3.9803 BAU 1.2072
 ROE .3127 RRA -.1032 RC3 .1185 FAU .02102
 FDE .8421 FRA 1.0484 FC3 -.8023 BSP 18263
 BDE 2.6100 BRA 2.1204 BC3 3.9820 FSP -551

MID-COURSE EXECUTION ACCURACY

SGT 5651.2 SGR 415.8 SG3 162.4
 RRT .1545 RRF .1353 RTF .9357
 SGB 5666.4 R23 -.0101 R13 .9357
 SG1 5651.5 SG2 410.8 THA .65

ORBIT DETERMINATION ACCURACY

ST 3231.0 SR 378.4 SS 761.6
 CRT .9308 CRS -.8782 CST -.9919
 LSA 3336.8 MSA 167.6 SSA 17.2
 EL1 3250.2 EL2 137.5 ALF 6.23

LAUNCH DATE DEC 10 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.430 GAL 5.06 AZL 86.62 MCA 276.34 SMA 120.29 ECC .24050 INC 3.3844 V1 30.243
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.574 GAP 12.80 AZP 89.63 TAL 163.54 TAP 79.88 RCA 91.36 APO 149.23 V2 34.849
 RC 183.413 GL 18.28 GP -.34 ZAL 59.17 ZAP 174.34 ETS 357.31 ZAE 129.74 ETE 180.44 ZAC 94.27 ETC 166.54 CLP-174.35

PLANETOCENTRIC CONIC
 C3 24.559 VHL 4.956 DLA 24.79 RAL 11.36 RAD 6568.0 VEL 12.080 PTH 2.16 VHP 8.304 DPA -3.45 RAP 1.21 ECC 1.4042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 59 3176.84 -26.39 109.11 245.27 79.35 3 49 56 2576.8 -27.60 100.65
 90.00 22 45 51 3995.39 -6.52 160.52 238.13 62.38 23 52 27 3395.4 -10.17 153.74
 100.00 4 40 26 2843.31 -28.69 85.02 245.72 81.22 5 27 50 2243.3 -29.60 76.33
 100.00 23 45 6 3804.15 -4.47 145.35 237.01 60.41 24 48 30 3204.1 -8.38 138.74
 110.00 6 31 2 2497.28 -33.93 59.45 246.43 85.56 7 12 40 1897.3 -34.17 50.21
 110.00 0 14 55 3722.94 .01 136.41 234.22 55.82 1 16 58 3122.9 -4.48 130.20

DIFFERENTIAL CORRECTIONS
 TOE 2.6660 TRA 2.4005 TC3-3.6823 BAU 1.2095 SGT 5671.6 SGR 417.2 SG3 157.0 ST 3217.7 SR 387.0 SS 749.0
 RDE .3331 RRA -.0989 RC3 .1003 FAU .01939 RRT .1856 RRF .1668 RTF .9380 CRT .9252 CRS -.8733 CST -.9926
 FDE .8278 FRA 1.0897 FC3 -.6834 BSP 18401 SGB 5686.9 R23 -.0083 R13 .9379 LSA 3321.8 MSA 171.9 SSA 16.6
 BDE 2.6867 BRA 2.4025 BC3 3.6837 FSP -.535 SG1 5672.1 SG2 409.9 TMA .79 EL1 3237.6 EL2 145.9 ALF 6.36

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.389 GAL 5.74 AZL 86.62 MCA 279.52 SMA 120.06 ECC .24699 INC 3.3798 V1 30.243
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.553 GAP 13.25 AZP 89.44 TAL 161.87 TAP 81.39 RCA 90.41 APO 149.71 V2 34.858
 RC 183.395 GL 17.42 GP -.33 ZAL 56.62 ZAP 175.16 ETS 356.97 ZAE 129.76 ETE 180.45 ZAC 96.55 ETC 166.64 CLP-175.17

PLANETOCENTRIC CONIC
 C3 26.740 VHL 5.171 DLA 25.00 RAL 14.18 RAD 6568.1 VEL 12.170 PTH 2.18 VHP 8.581 DPA -2.47 RAP 3.36 ECC 1.4401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 39 3210.28 -25.95 111.46 249.68 78.25 3 58 9 2610.3 -27.31 103.06
 90.00 23 0 44 4003.98 -6.25 161.00 242.38 62.33 24 7 28 3404.0 -9.91 154.24
 100.00 4 48 48 2874.51 -28.34 87.27 250.20 80.08 5 36 42 2274.5 -29.42 78.64
 100.00 0 3 12 3814.98 -4.11 145.95 241.21 60.37 1 6 47 3215.0 -8.03 139.35
 110.00 6 40 19 2525.60 -33.76 61.64 251.06 84.27 7 22 24 1925.6 -34.18 52.42
 110.00 0 28 11 3736.66 .53 137.13 238.32 55.82 1 30 27 3136.7 -3.96 130.92

DIFFERENTIAL CORRECTIONS
 TOE 2.7402 TRA 2.7004 TC3-3.3818 BAU 1.2093 SGT 5687.7 SGR 417.8 SG3 151.8 ST 3195.4 SR 394.2 SS 736.7
 RDE .3544 RRA -.0928 RC3 .0836 FAU .01780 RRT .2168 RRF .1987 RTF .9403 CRT .9196 CRS -.8687 CST -.9932
 FDE .8146 FRA 1.1321 FC3 -.5762 BSP 18512 SGB 5703.0 R23 -.0064 R13 .9403 LSA 3298.0 MSA 176.3 SSA 15.9
 BDE 2.7631 BRA 2.7020 BC3 3.3829 FSP -.519 SG1 5688.4 SG2 407.8 TMA .92 EL1 3215.9 EL2 153.9 ALF 6.49

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.349 GAL 6.45 AZL 86.62 MCA 282.69 SMA 119.83 ECC .25409 INC 3.3752 V1 30.243
 RP 108.68 LAP -3.29 LOP 356.54 VP 36.534 GAP 13.74 AZP 89.26 TAL 160.22 TAP 82.91 RCA 89.38 APO 150.28 V2 34.868
 RC 187.357 GL 16.56 GP -.33 ZAL 54.17 ZAP 175.98 ETS 356.41 ZAE 129.77 ETE 180.47 ZAC 98.83 ETC 166.70 CLP-175.99

PLANETOCENTRIC CONIC
 C3 29.264 VHL 5.410 DLA 25.14 RAL 16.92 RAD 6568.2 VEL 12.273 PTH 2.21 VHP 8.878 DPA -1.49 RAP 5.51 ECC 1.4816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 59 3241.55 -25.50 113.64 254.08 77.25 4 7 1 2641.6 -27.00 105.30
 90.00 23 14 12 4017.67 -5.81 161.78 246.59 62.24 24 21 10 3417.7 -9.49 155.02
 100.00 4 57 39 2904.14 -27.98 89.40 254.66 79.02 5 46 3 2304.1 -29.21 80.81
 100.00 0 16 10 3830.32 -3.59 146.79 245.36 60.30 1 20 0 3230.3 -7.52 140.21
 110.00 6 49 50 2553.16 -33.55 63.77 255.69 83.03 7 32 23 1953.2 -34.15 54.58
 110.00 0 40 28 3754.06 1.20 138.03 242.38 55.84 1 43 2 3154.1 -3.30 131.83

DIFFERENTIAL CORRECTIONS
 TOE 2.8141 TRA 3.0189 TC3-3.0829 BAU 1.2064 SGT 5699.5 SGR 417.7 SG3 146.8 ST 3154.9 SR 400.0 SS 724.9
 RDE .3766 RRA -.0850 RC3 .0684 FAU .01625 RRT .2482 RRF .2307 RTF .9427 CRT .9140 CRS -.8642 CST -.9938
 FDE .8024 FRA 1.1761 FC3 -.4807 BSP 18607 SGB 5714.7 R23 -.0046 R13 .9427 LSA 3266.3 MSA 180.6 SSA 15.3
 BDE 2.8392 BRA 3.0201 BC3 3.0836 FSP -.503 SG1 5700.4 SG2 404.6 TMA 1.05 EL1 3186.0 EL2 161.2 ALF 6.61

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -0.00 LOL 77.73 VL 26.309 GAL 7.21 AZL 86.63 MCA 285.87 SMA 119.60 ECC .26187 INC 3.3704 V1 30.243
 RP 108.65 LAP -3.24 LOP 356.51 VP 36.515 GAP 14.26 AZP 89.08 TAL 158.59 TAP 84.46 RCA 88.28 APO 150.92 V2 34.878
 RC 189.297 GL 15.69 GP -.32 ZAL 51.81 ZAP 176.80 ETS 355.48 ZAE 129.78 ETE 180.49 ZAC 101.11 ETC 166.75 CLP-176.81

PLANETOCENTRIC CONIC
 C3 32.186 VHL 5.673 DLA 25.22 RAL 19.55 RAD 6568.3 VEL 12.392 PTH 2.24 VHP 9.199 DPA -.51 RAP 7.64 ECC 1.5297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 59 3270.61 -25.05 115.65 258.47 76.34 4 16 30 2670.6 -26.68 107.36
 90.00 23 26 13 4036.41 -5.22 162.83 250.75 62.13 24 33 29 3436.4 -8.91 156.10
 100.00 5 6 57 2932.20 -27.60 91.40 259.11 78.03 5 55 50 2332.2 -28.97 82.86
 100.00 0 27 52 3850.03 -2.93 147.88 249.47 60.24 1 32 2 3250.0 -6.87 141.31
 110.00 6 59 32 2580.01 -33.31 65.83 260.29 81.83 7 42 32 1980.0 -34.08 56.67
 110.00 0 51 47 3775.01 2.00 139.13 246.40 55.87 1 54 42 3175.0 -2.50 132.92

DIFFERENTIAL CORRECTIONS
 TOE 2.8913 TRA 3.3600 TC3-2.7854 BAU 1.1988 SGT 5708.3 SGR 416.9 SG3 142.1 ST 3130.7 SR 404.4 SS 714.7
 RDE .3996 RRA -.0752 RC3 .0549 FAU .01470 RRT .2802 RRF .2634 RTF .9453 CRT .9084 CRS -.8601 CST -.9944
 FDE .7926 FRA 1.2225 FC3 -.3953 BSP 18610 SGB 5723.5 R23 -.0029 R13 .9453 LSA 3231.3 MSA 184.6 SSA 14.7
 BDE 2.9188 BRA 3.3609 BC3 2.7860 FSP -.485 SG1 5709.5 SG2 400.1 TMA 1.18 EL1 3152.3 EL2 168.0 ALF 6.71

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 26.270 GAL 8.01 AZL 86.63 MCA 289.05 SMA 119.38 ECC .27041 INC 3.3656 V1 30.243
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.497 GAP 14.83 A7P 88.90 TAL 156.98 TAP 86.03 RCA 87.10 APO 151.66 V2 34.889
 RC 191.216 GL 14.84 GP -.31 ZAL 49.55 ZAP 177.63 ETS 353.78 ZAE 129.77 ETE 180.51 ZAC 103.38 ETC 166.76 CLP-177.65

PLANETOCENTRIC CONIC
 C3 35.574 VML 5.964 OLA 25.25 RAL 22.08 RAD 6568.4 VEL 12.528 PTH 2.27 VMP 9.547 DPA .47 RAP 9.78 ECC 1.5855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 36 3297.47 -24.60 117.49 262.83 75.52 4 26 33 2697.5 -26.35 109.26
 90.00 23 36 46 4060.03 -4.47 164.16 254.80 62.01 24 44 26 3460.0 -8.18 157.45
 100.00 5 16 40 2958.75 -27.21 93.28 263.54 77.12 6 5 58 2358.8 -28.71 84.79
 100.00 0 38 19 3873.98 -2.12 149.19 253.50 60.18 1 42 53 3274.0 -6.07 142.64
 110.00 7 9 21 2606.17 -33.04 67.82 264.86 80.68 7 52 47 2006.2 -33.97 58.71
 110.00 1 2 7 3799.33 2.92 140.40 250.36 55.93 2 5 27 3199.3 -1.57 134.19

DIFFERENTIAL CORRECTIONS
 TDE 2.9648 TRA 3.7185 TC3-2.5016 BAU 1.1899 SGT 5710.8 SGR 415.2 SG3 137.4 ST 3086.0 SR 407.0 SS 704.0
 RDE .4232 RRA -.0633 RC3 .0430 FAU .01326 RRT .3116 RRF .2953 RTF .9482 CRT .9026 CRS -.8559 CST -.9949
 FDE .7823 FRA 1.2693 FC3 -.3228 BSP 18699 SGB 5725.9 R23 -.0017 R13 .9482 LSA 3185.8 MSA 188.3 SSA 14.1
 BDE 2.9949 BRA 3.7190 BC3 2.5019 FSP -470 SGI 5712.3 SG2 394.5 THA 1.30 ELI 3107.9 EL2 174.0 ALF 6.81

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 26.231 GAL 8.87 AZL 86.64 MCA 292.23 SMA 119.16 ECC .27980 INC 3.3605 V1 30.243
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.480 GAP 15.45 A7P 88.73 TAL 155.41 TAP 87.64 RCA 85.82 APO 152.50 V2 34.900
 RC 193.113 GL 13.99 GP -.30 ZAL 47.40 ZAP 178.46 ETS 350.03 ZAE 129.75 ETE 180.54 ZAC 105.64 ETC 166.74 CLP-178.49

PLANETOCENTRIC CONIC
 C3 39.508 VML 6.286 OLA 25.22 RAL 24.49 RAD 6568.5 VEL 12.684 PTH 2.30 VMP 9.925 DPA 1.44 RAP 11.90 ECC 1.6502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 44 3322.27 -24.17 119.18 267.16 74.78 4 37 6 2722.3 -26.03 111.00
 90.00 23 45 54 4088.24 -3.56 165.74 258.79 61.89 24 54 2 3488.2 -7.30 159.05
 100.00 5 26 41 2983.88 -26.82 95.04 267.92 76.27 6 16 25 2383.9 -28.44 86.61
 100.00 0 47 34 3901.87 -1.17 150.72 257.46 60.13 1 52 35 3301.9 -5.14 144.18
 110.00 7 19 15 2631.71 -32.74 69.75 269.38 79.57 8 3 7 2031.7 -33.83 60.69
 110.00 1 11 29 3826.81 3.97 141.84 254.26 56.02 2 15 16 3226.8 -5.52 135.63

DIFFERENTIAL CORRECTIONS
 TDE 3.0400 TRA 4.1009 TC3-2.2284 BAU 1.1772 SGT 5709.7 SGR 412.9 SG3 133.0 ST 3036.9 SR 408.0 SS 694.7
 RDE .4473 RRA -.0493 RC3 .0329 FAU .01187 RRT .3431 RRF .3273 RTF .9512 CRT .8969 CRS -.8519 CST -.9955
 FDE .7736 FRA 1.3186 FC3 -.2601 BSP 18766 SGB 5724.6 R23 -.0006 R13 .9512 LSA 3136.1 MSA 191.5 SSA 13.5
 BDE 3.0728 BRA 4.1012 BC3 2.2287 FSP -456 SGI 5711.4 SG2 387.7 THA 1.43 ELI 3059.0 EL2 179.2 ALF 6.90

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 26.193 GAL 9.80 AZL 86.64 MCA 295.41 SMA 118.95 ECC .29016 INC 3.3552 V1 30.243
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.463 GAP 16.12 A7P 88.56 TAL 153.88 TAP 89.30 RCA 84.44 APO 153.46 V2 34.912
 RC 194.989 GL 13.15 GP -.30 ZAL 45.36 ZAP 179.28 ETS 336.90 ZAE 129.72 ETE 180.56 ZAC 107.89 ETC 166.70 CLP-179.35

PLANETOCENTRIC CONIC
 C3 44.089 VML 6.640 OLA 25.14 RAL 26.79 RAD 6568.7 VEL 12.863 PTH 2.34 VMP 10.338 DPA 2.41 RAP 14.02 ECC 1.7256
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 52 17 3345.17 -23.75 120.73 271.45 74.11 4 48 2 2745.2 -25.70 112.60
 90.00 23 53 40 4120.68 -2.52 167.56 262.69 61.79 25 2 21 3520.7 -6.27 160.89
 100.00 5 36 58 3007.70 -26.42 96.70 272.25 75.48 6 27 5 2407.7 -28.15 88.33
 100.00 0 55 37 3933.39 -.10 152.45 261.34 60.11 2 1 10 3333.4 -4.08 145.92
 110.00 7 29 10 2656.65 -32.42 71.63 273.84 78.51 8 13 26 2056.7 -33.66 62.61
 110.00 1 19 54 3857.20 5.13 143.43 258.09 56.16 2 24 11 3257.2 .65 137.21

DIFFERENTIAL CORRECTIONS
 TDE 3.1184 TRA 4.5094 TC3-1.9664 BAU 1.1591 SGT 5704.0 SGR 409.8 SG3 128.7 ST 2984.9 SR 407.4 SS 686.9
 RDE .4720 RRA -.0330 RC3 .0244 FAU .01050 RRT .3748 RRF .3594 RTF .9544 CRT .8912 CRS -.8482 CST -.9960
 FDE .7667 FRA 1.3710 FC3 -.2062 BSP 18803 SGB 5718.7 R23 .0001 R13 .9544 LSA 3083.7 MSA 194.1 SSA 12.9
 BDE 3.1539 BRA 4.5095 BC3 1.9665 FSP -442 SGI 5706.1 SG2 379.8 THA 1.55 ELI 3006.9 EL2 183.5 ALF 6.96

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC
 RL 147.31 LAL -.00 LOL 77.73 VL 26.156 GAL 10.80 AZL 86.65 MCA 298.60 SMA 118.74 ECC .30160 INC 3.3495 V1 30.243
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.448 GAP 16.86 A7P 88.40 TAL 152.40 TAP 91.00 RCA 82.93 APO 154.55 V2 34.924
 RC 196.842 GL 12.33 GP -.29 ZAL 43.42 ZAP 179.63 ETS 234.05 ZAE 129.66 ETE 180.58 ZAC 110.11 ETC 166.62 CLP 179.77

PLANETOCENTRIC CONIC
 C3 49.441 VML 7.031 OLA 25.02 RAL 28.96 RAD 6568.8 VEL 13.069 PTH 2.39 VMP 10.790 DPA 3.36 RAP 16.13 ECC 1.8137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 9 3366.37 -23.35 122.15 275.69 73.51 4 59 16 2766.4 -25.39 114.08
 90.00 0 4 5 4156.93 -1.35 169.58 266.49 61.71 1 13 22 3556.9 -5.12 162.93
 100.00 5 47 24 3030.31 -26.02 98.26 276.53 74.75 6 37 54 2430.3 -27.86 89.94
 100.00 1 2 32 3968.22 1.08 154.36 265.14 60.13 2 8 41 3368.2 -2.90 147.84
 110.00 7 39 2 2681.03 -32.07 73.44 278.23 77.48 8 23 43 2081.0 -33.46 64.49
 110.00 1 27 23 3890.27 6.38 145.17 261.85 56.35 2 32 14 3290.3 1.91 138.94

DIFFERENTIAL CORRECTIONS
 TDE 3.2026 TRA 4.9497 TC3-1.7159 BAU 1.1343 SGT 5696.0 SGR 406.1 SG3 124.8 ST 2932.3 SR 405.1 SS 681.6
 RDE .4972 RRA -.0141 RC3 .0176 FAU .00910 RRT .4068 RRF .3920 RTF .9578 CRT .8856 CRS -.8449 CST -.9965
 FDE .7626 FRA 1.4280 FC3 -.1594 BSP 18761 SGB 5710.5 R23 .0008 R13 .9578 LSA 3031.3 MSA 195.9 SSA 12.4
 BDE 3.2410 BRA 4.9497 BC3 1.7160 FSP -426 SGI 5698.4 SG2 370.8 THA 1.67 ELI 2954.3 EL2 186.8 ALF 7.00

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 10 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 594.707

RL 147.31 LAL -1.00 LOL 77.73 VL 26.119 GAL 11.87 AZL 86.66 HCA 301.79 SMA 118.54 ECC .31428 INC 3.3436 V1 30.243
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.433 GAP 17.68 AZP 88.24 TAL 150.97 TAP 92.76 RCA 81.28 APO 155.79 V2 34.936
 RC 198.673 GL 11.52 GP -1.29 ZAL 41.60 ZAP 178.83 ETS 196.13 ZAE 129.58 ETE 180.60 ZAC 112.32 ETC 166.52 CLP 178.87

PLANETOCENTRIC CONIC

C3 55.718 VHL 7.464 DLA 24.86 RAL 31.01 RAD 6569.0 VEL 13.307 PTH 2.43 VMP 11.288 DPA 4.30 RAP 18.21 ECC 1.9170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 14 14 3386.03 -22.96 123.46 279.86 72.96 5 10 40 2786.0 -25.08 115.43
 90.00 0 9 22 4196.53 -1.07 171.79 270.19 61.68 1 19 19 3596.5 -3.86 165.15
 100.00 5 57 54 3051.79 -25.63 99.74 280.73 74.07 6 48 46 2451.8 -27.57 91.47
 100.00 1 8 23 4006.01 2.36 156.44 268.83 60.19 2 15 9 3406.0 -1.63 149.92
 110.00 7 48 48 2704.83 -31.71 75.20 282.54 76.50 8 33 53 2104.8 -33.24 66.31
 110.00 1 33 59 3925.73 7.71 147.05 265.53 56.59 2 39 24 3325.7 3.26 140.79

DIFFERENTIAL CORRECTIONS

TDE 3.2885 TRA 5.4178 TC3 -1.4834 BAU 1.1050
 RDE .5226 RRA .0072 RC3 .0122 FAU .00778
 FDE .7592 FRA 1.4877 FC3 -1.1208 BSP 18818
 BDE 3.3298 BRA 5.4178 BC3 1.4835 FSP -413

MID-COURSE EXECUTION ACCURACY

SGT 5681.8 SGR 401.6 SG3 120.8
 RRT .4384 RRF .4241 RTF .9613
 SGB 5696.0 R23 .0010 R13 .9613
 SGI 5684.5 SG2 360.8 THA 1.78

ORBIT DETERMINATION ACCURACY

ST 2875.2 SR 401.1 SS 677.2
 CRT .8801 CRS -.8417 CST -.9970
 LSA 2974.4 MSA 196.9 SSA 11.9
 EL1 2896.9 EL2 189.0 ALF 7.03

LAUNCH DATE DEC 10 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 599.051

RL 147.31 LAL -1.00 LOL 77.73 VL 26.084 GAL 13.05 AZL 86.66 HCA 304.98 SMA 118.34 ECC .32838 INC 3.3371 V1 30.243
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.420 GAP 18.58 AZP 88.09 TAL 149.62 TAP 94.60 RCA 79.48 APO 157.20 V2 34.948
 RC 200.481 GL 10.73 GP -1.28 ZAL 39.89 ZAP 177.92 ETS 189.75 ZAE 129.46 ETE 180.63 ZAC 114.49 ETC 166.38 CLP 177.94

PLANETOCENTRIC CONIC

C3 63.115 VHL 7.945 DLA 24.66 RAL 32.93 RAD 6569.2 VEL 13.582 PTH 2.48 VMP 11.838 DPA 5.22 RAP 20.28 ECC 2.0387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 25 3404.32 -22.59 124.68 283.95 72.46 5 22 9 2804.3 -24.78 116.69
 90.00 0 13 31 4239.05 1.30 174.16 273.77 61.71 1 24 10 3639.1 -2.49 167.53
 100.00 6 8 25 3072.20 -25.24 101.13 284.84 73.43 6 59 37 2472.2 -27.27 92.92
 100.00 1 13 12 4046.40 3.72 158.66 272.43 60.32 2 20 38 3446.4 -1.26 152.13
 110.00 7 58 26 2728.03 -31.33 76.91 286.75 75.56 8 43 54 2128.0 -32.99 68.08
 110.00 1 39 40 3963.34 9.11 149.06 269.12 56.91 2 45 44 3363.3 4.69 142.76

DIFFERENTIAL CORRECTIONS

TDE 3.3812 TRA 5.9225 TC3 -1.2650 BAU 1.0674
 RDE .5484 RRA .0314 RC3 .0081 FAU .00643
 FDE .7584 FRA 1.5528 FC3 -.0882 BSP 18836
 BDE 3.4254 BRA 5.9226 BC3 1.2650 FSP -401

MID-COURSE EXECUTION ACCURACY

SGT 5663.5 SGR 396.5 SG3 117.1
 RRT .4700 RRF .4562 RTF .9649
 SGB 5677.4 R23 .0011 R13 .9649
 SGI 5666.6 SG2 349.8 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 2817.5 SR 395.5 SS 675.3
 CRT .8748 CRS -.8369 CST -.9974
 LSA 2917.5 MSA 197.0 SSA 11.3
 EL1 2838.7 EL2 190.2 ALF 7.03

LAUNCH DATE DEC 10 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 603.124

RL 147.31 LAL -1.00 LOL 77.73 VL 26.049 GAL 14.33 AZL 86.67 HCA 308.17 SMA 118.15 ECC .34411 INC 3.3302 V1 30.243
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.407 GAP 19.58 AZP 87.94 TAL 148.35 TAP 96.52 RCA 77.49 APO 158.81 V2 34.961
 RC 202.264 GL 9.96 GP -1.28 ZAL 38.30 ZAP 176.95 ETS 187.28 ZAE 129.30 ETE 180.63 ZAC 116.63 ETC 166.21 CLP 176.96

PLANETOCENTRIC CONIC

C3 71.881 VHL 8.478 DLA 24.42 RAL 34.72 RAD 6569.4 VEL 13.901 PTH 2.54 VMP 12.451 DPA 6.12 RAP 22.32 ECC 2.1830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 35 3421.30 -22.24 125.80 287.94 72.01 5 33 36 2821.3 -24.49 117.85
 90.00 0 16 36 4284.05 2.75 176.67 277.25 61.81 1 28 0 3684.0 -1.04 170.04
 100.00 6 18 52 3091.54 -24.86 102.44 288.85 72.84 7 10 23 2491.5 -26.97 94.28
 100.00 1 17 0 4089.04 5.16 161.01 275.92 60.52 2 25 9 3489.0 1.19 154.47
 110.00 8 7 51 2750.53 -30.93 78.54 290.85 74.67 8 53 42 2150.5 -32.72 69.78
 110.00 1 44 30 4002.81 10.57 151.19 272.62 57.30 2 51 13 3402.8 6.19 144.84

DIFFERENTIAL CORRECTIONS

TDE 3.4829 TRA 6.4683 TC3 -1.0616 BAU 1.0202
 RDE .5744 RRA .0584 RC3 .0053 FAU .00505
 FDE .7603 FRA 1.6241 FC3 -.0609 BSP 18832
 BDE 3.5300 BRA 6.4686 BC3 1.0616 FSP -388

MID-COURSE EXECUTION ACCURACY

SGT 5641.6 SGR 390.7 SG3 113.6
 RRT .5016 RRF .4884 RTF .9685
 SGB 5655.1 R23 .0009 R13 .9685
 SGI 5645.0 SG2 337.8 THA 2.00

ORBIT DETERMINATION ACCURACY

ST 2759.9 SR 388.4 SS 675.9
 CRT .8698 CRS -.8366 CST -.9978
 LSA 2861.2 MSA 196.0 SSA 10.8
 EL1 2780.6 EL2 190.2 ALF 7.01

LAUNCH DATE DEC 10 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 606.863

RL 147.31 LAL -1.00 LOL 77.73 VL 26.016 GAL 15.73 AZL 86.68 HCA 311.36 SMA 117.97 ECC .36172 INC 3.3226 V1 30.243
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.396 GAP 20.71 AZP 87.80 TAL 147.18 TAP 98.54 RCA 75.30 APO 160.64 V2 34.974
 RC 204.023 GL 9.20 GP -1.28 ZAL 36.84 ZAP 175.94 ETS 186.01 ZAE 129.10 ETE 180.67 ZAC 118.72 ETC 166.01 CLP 175.95

PLANETOCENTRIC CONIC

C3 82.332 VHL 9.074 DLA 24.14 RAL 36.37 RAD 6569.6 VEL 14.272 PTH 2.60 VMP 13.135 DPA 6.99 RAP 24.33 ECC 2.3550
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 40 3437.00 -21.91 126.83 291.81 71.59 5 44 57 2837.0 -24.22 118.92
 90.00 0 18 39 4331.12 4.26 179.31 280.59 61.98 1 30 50 3731.1 .48 172.67
 100.00 6 29 10 3109.75 -24.49 103.67 292.73 72.30 7 20 59 2509.7 -26.68 95.55
 100.00 1 19 50 4133.60 6.64 163.49 279.29 60.79 2 28 44 3533.6 2.70 156.92
 110.00 8 17 3 2772.23 -30.53 80.10 294.80 73.82 9 3 15 2172.2 -32.44 71.41
 110.00 1 48 27 4043.89 12.07 153.42 276.02 57.78 2 55 50 3443.9 7.73 147.02

DIFFERENTIAL CORRECTIONS

TDE 3.5988 TRA 7.0638 TC3 -.8718 BAU .9596
 RDE .6009 RRA .0888 RC3 .0036 FAU .00357
 FDE .7662 FRA 1.7035 FC3 -.0375 BSP 18736
 BDE 3.6486 BRA 7.0644 BC3 .8718 FSP -375

MID-COURSE EXECUTION ACCURACY

SGT 5617.8 SGR 384.5 SG3 110.3
 RRT .5335 RRF .5210 RTF .9722
 SGB 5630.9 R23 .0007 R13 .9722
 SGI 5621.5 SG2 325.0 THA 2.10

ORBIT DETERMINATION ACCURACY

ST 2704.9 SR 379.9 SS 680.1
 CRT .8654 CRS -.8350 CST -.9982
 LSA 2808.2 MSA 193.9 SSA 10.2
 EL1 2724.9 EL2 188.9 ALF 6.96

LAUNCH DATE DEC 10 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 610.186

RL 147.31 LAL -1.00 LOL 77.73 VL 25.983 GAL 17.29 AZL 86.69 MCA 314.56 SMA 117.79 ECC .38151 INC 3.3142 V1 30.243
 RP 108.31 LAP -2.36 LOP 32.33 VP 36.385 GAP 21.97 ATP 87.67 TAL 146.13 TAP 100.69 RCA 72.85 APO 162.73 V2 34.987
 RC 205.757 GL 8.47 GP -1.27 ZAL 35.52 ZAP 174.86 ETS 185.25 ZAE 128.84 ETE 180.69 ZAC 120.75 ETC 165.77 CLP 174.87

PLANETOCENTRIC CONIC

C3 94.883 VHL 9.741 DLA 23.83 RAL 37.87 RAD 6569.8 VEL 14.705 PTH 2.66 VHP 13.904 DPA 7.83 RAP 26.29 ECC 2.5615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 34 3451.34 -21.60 127.76 295.55 71.23 5 56 5 2851.3 -23.96 113.89
 90.00 0 19 42 4379.90 5.81 182.05 283.80 62.24 1 32 42 3779.9 2.05 175.39
 100.00 6 39 15 3126.71 -24.13 104.80 296.47 71.80 7 31 22 2526.7 -26.39 96.73
 100.00 1 21 42 4179.76 8.17 166.06 282.52 61.15 2 31 21 3579.8 4.26 159.46
 110.00 8 25 56 2792.93 -30.13 81.58 298.60 73.03 9 12 29 2192.9 -32.15 72.95
 110.00 1 51 30 4086.30 13.60 155.76 279.30 58.33 2 59 36 3486.3 9.32 149.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.7239 TRA 7.7074 TC3 -.6992 BAU .8869 SGT 5587.0 SGR 377.5 SG3 107.0 ST 2647.6 SR 369.9 SS 686.8
 ROE .6276 RRA .1223 RC3 .0028 FAU .00204 RRT .5647 RRF .5529 RTF .9758 CRT .8614 CRS -.8338 CST -.9985
 FOE .7745 FRA 1.7905 FC3 -.0106 BSP 18736 SGB 5599.7 R23 .0002 R13 .9758 LSA 2753.5 MSA 190.8 SSA 9.7
 BOE 3.7764 BRA 7.7084 BC3 .6992 FSP -364 SGI 5591.1 SG2 311.3 THA 2.19 EL1 2666.8 EL2 186.5 ALF 6.90

LAUNCH DATE DEC 10 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 612.983

RL 147.31 LAL -1.00 LOL 77.73 VL 25.953 GAL 19.01 AZL 86.70 MCA 317.76 SMA 117.63 ECC .40383 INC 3.3049 V1 30.243
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.376 GAP 23.40 ATP 87.55 TAL 145.23 TAP 102.99 RCA 70.13 APO 165.13 V2 35.000
 RC 207.465 GL 7.75 GP -1.27 ZAL 34.34 ZAP 173.72 ETS 184.75 ZAE 128.50 ETE 180.71 ZAC 122.72 ETC 165.51 CLP 173.72

PLANETOCENTRIC CONIC

C3 110.076 VHL 10.492 DLA 23.48 RAL 39.20 RAD 6570.1 VEL 15.212 PTH 2.73 VHP 14.773 DPA 8.63 RAP 28.20 ECC 2.8116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 14 3464.16 -21.31 128.60 299.11 70.90 6 6 58 2864.2 -23.72 120.75
 90.00 0 19 43 4430.06 7.39 184.89 286.85 62.59 1 33 33 3830.1 3.66 178.19
 100.00 6 49 5 3142.22 -23.80 105.83 300.03 71.36 7 41 27 2542.2 -26.12 97.80
 100.00 1 22 33 4227.24 9.72 168.74 285.61 61.59 2 33 1 3627.2 5.85 162.09
 110.00 8 34 30 2812.42 -29.73 82.96 302.21 72.30 9 21 22 2212.4 -31.86 74.40
 110.00 1 53 38 4129.81 15.14 158.19 282.44 58.98 3 2 27 3529.8 10.92 151.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.8661 TRA 8.4119 TC3 -.5410 BAU .7962 SGT 5552.5 SGR 370.0 SG3 104.0 ST 2591.6 SR 358.7 SS 697.3
 ROE .6547 RRA .1594 RC3 .0027 FAU .00034 RRT .5957 RRF .5847 RTF .9793 CRT .8581 CRS -.8333 CST -.9988
 FOE .7870 FRA 1.8880 FC3 -.0027 BSP 18710 SGB 5564.8 R23 -.0004 R13 .9793 LSA 2701.2 MSA 186.6 SSA 9.2
 BOE 3.9212 BRA 8.4134 BC3 .5410 FSP -354 SGI 5556.9 SG2 296.9 THA 2.28 EL1 2609.9 EL2 182.9 ALF 6.81

LAUNCH DATE DEC 10 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 615.112

RL 147.31 LAL -1.00 LOL 77.73 VL 25.924 GAL 20.95 AZL 86.71 MCA 320.96 SMA 117.47 ECC .42912 INC 3.2943 V1 30.243
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.368 GAP 25.03 ATP 87.44 TAL 144.51 TAP 105.47 RCA 67.06 APO 167.88 V2 35.014
 RC 209.146 GL 7.05 GP -1.26 ZAL 33.32 ZAP 172.48 ETS 184.41 ZAE 128.08 ETE 180.73 ZAC 124.60 ETC 165.21 CLP 172.49

PLANETOCENTRIC CONIC

C3 128.630 VHL 11.342 DLA 23.09 RAL 40.37 RAD 6570.4 VEL 15.810 PTH 2.80 VHP 15.762 DPA 9.40 RAP 30.03 ECC 3.1169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 35 3475.23 -21.06 129.31 302.46 70.63 6 17 30 2875.2 -23.52 121.50
 90.00 0 18 41 4481.33 8.99 187.81 289.73 63.04 1 33 22 3881.3 5.30 181.07
 100.00 6 58 35 3156.03 -23.50 106.74 303.38 70.97 7 51 11 2556.0 -25.88 98.75
 100.00 1 22 22 4275.76 11.28 171.50 288.53 62.13 2 33 38 3675.8 7.46 164.79
 110.00 8 42 40 2830.38 -29.36 84.22 305.59 71.64 9 29 51 2230.4 -31.58 75.72
 110.00 1 54 46 4174.17 16.68 160.70 285.43 59.72 3 4 21 3574.2 12.54 154.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.0301 TRA 9.1862 TC3 -.3968 BAU .6825 SGT 5514.0 SGR 362.0 SG3 101.1 ST 2537.0 SR 346.3 SS 712.3
 ROE .6824 RRA .2004 RC3 .0034 FAU .00158 RRT .6264 RRF .6162 RTF .9826 CRT .8557 CRS -.8336 CST -.9991
 FOE .8046 FRA 1.9980 FC3 .0107 BSP 18658 SGB 5525.9 R23 -.0011 R13 .9826 LSA 2651.6 MSA 181.2 SSA 8.6
 BOE 4.0875 BRA 9.1883 BC3 .3969 FSP -344 SGI 5518.7 SG2 281.9 THA 2.36 EL1 2554.3 EL2 178.0 ALF 6.70

LAUNCH DATE DEC 10 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 616.383

RL 147.31 LAL -1.00 LOL 77.73 VL 25.897 GAL 23.14 AZL 86.72 MCA 324.16 SMA 117.33 ECC .45786 INC 3.2821 V1 30.243
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.362 GAP 26.91 ATP 87.34 TAL 144.02 TAP 108.19 RCA 63.61 APO 171.05 V2 35.027
 RC 210.800 GL 6.36 GP -1.26 ZAL 32.48 ZAP 171.14 ETS 184.15 ZAE 127.55 ETE 180.75 ZAC 126.37 ETC 164.90 CLP 171.14

PLANETOCENTRIC CONIC

C3 151.512 VHL 12.309 DLA 22.65 RAL 41.35 RAD 6570.6 VEL 16.518 PTH 2.88 VHP 16.895 DPA 10.11 RAP 31.78 ECC 3.4935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 34 3484.19 -20.86 129.89 305.58 70.41 6 27 38 2884.2 -23.34 122.10
 90.00 0 16 31 4533.46 10.58 190.81 292.40 63.58 1 32 4 3933.5 6.95 184.01
 100.00 7 7 43 3167.76 -23.23 107.52 306.49 70.64 8 0 30 2567.8 -25.66 99.56
 100.00 1 21 3 4325.13 12.83 174.34 291.24 62.77 2 33 9 3725.1 9.08 167.56
 110.00 8 50 24 2846.47 -29.01 85.35 308.72 71.06 9 37 51 2246.5 -31.31 76.90
 110.00 1 54 51 4219.19 18.21 163.30 288.24 60.56 3 5 10 3619.2 14.15 156.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.2236 TRA10.0430 TC3 -.2657 BAU .5383 SGT 5472.9 SGR 353.5 SG3 98.5 ST 2484.9 SR 333.1 SS 733.0
 ROE .7110 RRA .2455 RC3 .0045 FAU .00387 RRT .6567 RRF .6475 RTF .9857 CRT .8544 CRS -.8350 CST -.9993
 FOE .8288 FRA 2.1237 FC3 .0221 BSP 18504 SGB 5484.3 R23 -.0018 R13 .9857 LSA 2606.3 MSA 174.7 SSA 8.1
 BOE 4.2831 BRA10.0460 BC3 .2657 FSP -333 SGI 5477.9 SG2 266.4 THA 2.43 EL1 2501.3 EL2 171.9 ALF 6.56

LAUNCH DATE DEC 11 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 19 1966

HELIOCENTRIC CONIC
 RL 147.30 LAL -.00 LOL 78.74 VL 27.451 GAL -9.11 AZL 86.60 HCA 85.64 SMA 126.58 ECC .22618 INC 3.4020 V1 30.247
 RP 107.60 LAP 3.39 LOP 164.37 VP 37.662 GAP -9.86 AZP 89.74 TAL 215.29 TAP 300.93 RCA 97.95 APO 155.21 V2 35.220
 RC 51.850 GL 17.10 GP .76 ZAL 139.24 ZAP 16.01 ETS 356.30 ZAE 148.66 ETE 342.12 ZAC 63.67 ETC 163.43 CLP -15.99

PLANETOCENTRIC CONIC
 C3 29.935 VML 5.471 DLA -4.08 RAL 295.14 RAD 6568.2 VEL 12.301 PTH 2.22 VMP 6.846 DPA -14.36 RAP 331.41 ECC 1.4927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 47 2186.61 -18.88 39.72 162.15 111.50 2 51 14 1586.6 -15.79 32.40
 90.00 13 12 9 5083.97 24.32 225.23 164.56 75.04 14 36 53 4484.0 22.03 217.31
 100.00 3 34 13 1930.38 -20.04 20.38 161.65 112.66 4 6 24 1330.4 -16.79 13.09
 100.00 14 35 25 4815.43 25.53 205.12 164.19 73.89 15 55 40 4215.4 23.07 197.18
 110.00 4 38 5 1730.45 -23.13 3.70 160.15 115.90 5 6 55 1130.5 -19.46 356.49
 110.00 15 48 2 4588.12 28.76 186.70 163.03 70.67 17 4 30 3988.1 25.85 178.72

DIFFERENTIAL CORRECTIONS
 TDE -.2064 TRA -.3309 TC3 .4320 BAU .1792 SGT 625.2 SGR 395.9 SG3 143.7 ST 240.3 SR 370.4 SS 289.0
 RDE -.3533 RRA .0557 RC3 -.1173 FAU .04812 RRT -.0042 RRF -.0070 RTF -.6282 CRT .8769 CR5 .9627 CST .7324
 FDE .4437 FRA -.4581 FC3 -1.3916 BSP 1657 SGB 740.0 R23 .0114 R13 .6282 LSA 509.5 MSA 135.0 SSA 24.8
 BDE .4091 BRA .3355 BC3 .4477 FSP -375 SG1 625.2 SG2 395.9 THA 179.74 EL1 430.2 EL2 99.4 ALF 58.48

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 11 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.30 LAL -.00 LOL 78.74 VL 27.593 GAL -9.06 AZL 86.61 HCA 88.88 SMA 127.53 ECC .21957 INC 3.3941 V1 30.247
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.759 GAP -8.99 AZP 89.93 TAL 216.75 TAP 305.63 RCA 99.53 APO 155.53 V2 35.212
 RC 53.572 GL 17.42 GP .82 ZAL 140.26 ZAP 19.03 ETS 356.60 ZAE 148.84 ETE 342.55 ZAC 63.86 ETC 163.49 CLP -19.02

PLANETOCENTRIC CONIC
 C3 29.054 VML 5.390 DLA -3.98 RAL 293.89 RAD 6568.2 VEL 12.265 PTH 2.21 VMP 6.392 DPA -14.23 RAP 331.60 ECC 1.4782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 0 2182.36 -18.77 39.45 160.41 111.60 2 45 23 1582.4 -15.68 32.15
 90.00 13 7 55 5073.26 24.13 224.51 162.72 74.72 14 32 28 4473.3 21.80 216.61
 100.00 3 28 29 1925.97 -19.92 20.10 159.91 112.76 4 0 35 1326.0 -16.67 12.82
 100.00 14 31 7 4804.88 25.32 204.40 162.35 73.56 15 51 12 4204.9 22.83 196.49
 110.00 4 32 27 1725.69 -22.99 3.41 158.42 116.02 5 1 13 1125.7 -19.30 356.21
 110.00 15 43 38 4577.93 28.53 186.00 161.18 70.32 16 59 56 3977.9 25.58 178.06

DIFFERENTIAL CORRECTIONS
 TDE -.2046 TRA -.3149 TC3 .4534 BAU .1821 SGT 631.5 SGR 395.0 SG3 164.0 ST 240.1 SR 369.8 SS 311.1
 RDE -.3475 RRA .0521 RC3 -.1191 FAU .05366 RRT -.0043 RRF -.0106 RTF -.6342 CRT .8853 CR5 .9570 CST .7297
 FDE .5008 FRA -.5541 FC3 -1.5990 BSP 1715 SGB 744.9 R23 .0151 R13 .6342 LSA 520.8 MSA 139.0 SSA 25.1
 BDE .4033 BRA .3192 BC3 .4688 FSP -438 SG1 631.5 SG2 395.0 THA 179.75 EL1 430.3 EL2 95.9 ALF 58.35

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 11 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.30 LAL -.00 LOL 78.74 VL 27.718 GAL -9.02 AZL 86.61 HCA 92.11 SMA 128.39 ECC .21386 INC 3.3861 V1 30.247
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.843 GAP -8.16 AZP 90.13 TAL 218.12 TAP 310.23 RCA 100.93 APO 155.84 V2 35.204
 RC 55.368 GL 17.69 GP .88 ZAL 141.17 ZAP 22.22 ETS 356.82 ZAE 149.32 ETE 342.88 ZAC 63.90 ETC 163.53 CLP -22.20

PLANETOCENTRIC CONIC
 C3 28.317 VML 5.321 DLA -3.89 RAL 292.75 RAD 6568.1 VEL 12.235 PTH 2.20 VMP 5.969 DPA -14.16 RAP 331.63 ECC 1.4660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 49 2178.70 -18.68 39.22 158.86 111.67 2 40 7 1578.7 -15.58 31.92
 90.00 13 4 3 5064.09 23.97 223.89 161.10 74.45 14 28 27 4464.1 21.60 216.01
 100.00 3 23 20 1922.18 -19.82 19.87 158.37 112.84 3 55 22 1322.2 -16.56 12.59
 100.00 14 27 13 4795.85 25.15 203.78 160.72 73.29 15 47 9 4195.8 22.62 195.90
 110.00 4 27 24 1721.60 -22.87 3.15 156.88 116.13 4 56 6 1121.6 -19.17 355.97
 110.00 15 39 38 4569.19 28.33 185.40 159.54 70.01 16 55 47 3969.2 25.34 177.49

DIFFERENTIAL CORRECTIONS
 TDE -.2031 TRA -.3031 TC3 .4664 BAU .1823 SGT 633.4 SGR 393.1 SG3 187.0 ST 240.2 SR 368.3 SS 335.4
 RDE -.3418 RRA .0491 RC3 -.1199 FAU .05991 RRT -.0008 RRF -.0163 RTF -.6329 CRT .8914 CR5 .9522 CST .7268
 FDE .5676 FRA -.6618 FC3 -1.8315 BSP 1715 SGB 745.5 R23 .0171 R13 .6329 LSA 533.3 MSA 144.0 SSA 25.2
 BDE .3976 BRA .3071 BC3 .4815 FSP -509 SG1 633.4 SG2 393.1 THA 179.95 EL1 429.7 EL2 93.3 ALF 58.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 11 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC
 RL 147.30 LAL -.00 LOL 78.74 VL 27.827 GAL -8.98 AZL 86.62 HCA 95.35 SMA 129.14 ECC .20895 INC 3.3782 V1 30.247
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.915 GAP -7.37 AZP 90.32 TAL 219.37 TAP 314.72 RCA 102.16 APO 156.13 V2 35.195
 RC 57.230 GL 17.92 GP .95 ZAL 141.98 ZAP 25.58 ETS 356.98 ZAE 150.11 ETE 343.08 ZAC 63.76 ETC 163.54 CLP -25.57

PLANETOCENTRIC CONIC
 C3 27.696 VML 5.263 DLA -3.81 RAL 291.74 RAD 6568.1 VEL 12.209 PTH 2.19 VMP 5.575 DPA -14.13 RAP 331.48 ECC 1.4558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 12 2175.55 -18.60 39.02 157.50 111.74 2 35 28 1575.5 -15.49 31.73
 90.00 13 0 35 5056.17 23.82 223.35 159.66 74.22 14 24 51 4456.2 21.43 215.50
 100.00 3 18 46 1918.90 -19.73 19.66 157.01 112.92 3 50 44 1318.9 -16.46 12.40
 100.00 14 23 43 4788.05 25.00 203.25 159.28 73.05 15 43 31 4188.1 22.44 195.39
 110.00 4 22 55 1718.06 -22.76 2.93 155.52 116.22 4 51 33 1118.1 -19.05 355.76
 110.00 15 36 3 4561.65 28.15 184.88 158.09 69.75 16 52 4 3961.7 25.13 177.01

DIFFERENTIAL CORRECTIONS
 TDE -.2000 TRA -.2946 TC3 .4718 BAU .1802 SGT 630.3 SGR 390.2 SG3 213.0 ST 238.6 SR 366.1 SS 361.1
 RDE -.3359 RRA .0467 RC3 -.1197 FAU .06699 RRT -.0029 RRF -.0233 RTF -.6255 CRT .8942 CR5 .9480 CST .7209
 FDE .6441 FRA -.7836 FC3 -2.0939 BSP 1697 SGB 741.3 R23 -.0203 R13 -.6255 LSA 546.2 MSA 149.4 SSA 25.1
 BDE .3910 BRA .2983 BC3 .4867 FSP -589 SG1 630.3 SG2 390.1 THA 179.17 EL1 427.3 EL2 91.5 ALF 58.13

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 11 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 217.097

RL 147.30 LAL -1.00 LOL 78.74 VL 27.922 GAL -8.95 AZL 86.63 MCA 98.59 SMA 129.81 ECC .20474 INC 3.3701 V1 30.247
 RP 107.70 LAP 3.33 LOP 177.35 VP 37.975 GAP -6.62 A7P 90.50 TAL 220.50 TAP 319.09 RCA 103.23 APO 156.38 V2 35.186
 RC 59.152 GL 18.13 GP 1.02 ZAL 142.68 ZAP 29.14 ETS 357.10 ZAE 151.21 ETE 343.15 ZAC 63.43 ETC 163.52 CLP -29.13

PLANETOCENTRIC CONIC

C3 27.164 VML 5.212 DLA -3.74 RAL 290.85 RAD 6568.1 VEL 12.188 PTH 2.19 VHP 5.211 DPA -14.17 RAP 331.14 ECC 1.4470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 9 2172.82 -18.53 38.85 156.30 111.80 2 31 22 1572.8 -15.41 31.57
 90.00 12 57 33 5049.25 23.69 222.89 158.40 74.02 14 21 42 4449.3 21.27 215.05
 100.00 3 14 45 1916.07 -19.66 19.48 155.81 112.98 3 46 41 1316.1 -16.38 12.23
 100.00 14 20 38 4781.24 24.86 202.79 158.02 72.84 15 40 19 4181.2 22.27 194.35
 110.00 4 18 58 1715.00 -22.67 2.74 154.33 116.30 4 47 33 1115.0 -18.95 355.58
 110.00 15 32 54 4555.07 27.99 184.43 156.83 69.53 16 48 49 3955.1 24.95 176.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1949 TRA -.2901 TC3 .4684 BAU .1755 SGT 621.7 SGR 386.2 SG3 242.5 ST 235.2 SR 363.0 SS 388.3
 RDE -.3299 RRA .0449 RC3 -.1183 FAU .07497 RRT .0070 RRF -.0317 RTF -.6100 CRT .8929 CRS .9444 CST .7104
 FDE .7308 FRA -.9203 FC3-2.3894 BSP 1647 SGB 731.9 R23 -.0247 R13 -.6101 LSA 559.6 MSA 155.2 SSA 24.9
 BDE .3832 BRA .2936 BC3 .4831 FSP -681 SGI 621.7 SG2 386.2 TMA .41 EL1 422.9 EL2 90.9 ALF 58.31

LAUNCH DATE DEC 11 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 223.799

RL 147.30 LAL -1.00 LOL 78.74 VL 28.003 GAL -8.92 AZL 86.64 MCA 101.82 SMA 130.39 ECC .20113 INC 3.3620 V1 30.247
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.026 GAP -5.91 A7P 90.69 TAL 221.51 TAP 323.33 RCA 104.16 APO 156.61 V2 35.176
 RC 61.127 GL 18.30 GP 1.11 ZAL 143.27 ZAP 32.92 ETS 357.20 ZAE 152.64 ETE 343.06 ZAC 62.88 ETC 163.47 CLP -32.90

PLANETOCENTRIC CONIC

C3 26.702 VML 5.167 DLA -3.68 RAL 290.08 RAD 6568.1 VEL 12.169 PTH 2.18 VHP 4.876 DPA -14.27 RAP 330.58 ECC 1.4394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 38 2170.45 -18.47 38.71 155.26 111.85 2 27 49 1570.5 -15.35 31.43
 90.00 12 54 56 5043.10 23.58 222.47 157.31 73.84 14 18 59 4443.1 21.14 214.65
 100.00 3 11 15 1913.61 -19.59 19.33 154.77 113.04 3 43 9 1313.6 -16.31 12.08
 100.00 14 18 0 4775.17 24.74 202.39 156.93 72.66 15 37 35 4175.2 22.13 194.56
 110.00 4 15 33 1712.34 -22.59 2.58 153.30 116.37 4 44 5 1112.3 -18.86 355.42
 110.00 15 30 12 4549.21 27.85 184.03 155.73 69.53 16 46 1 3949.2 24.79 176.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1861 TRA -.2892 TC3 .4571 BAU .1683 SGT 607.5 SGR 381.4 SG3 275.7 ST 228.2 SR 359.1 SS 415.8
 RDE -.3236 RRA .0438 RC3 -.1159 FAU .08400 RRT .0078 RRF -.0407 RTF -.5855 CRT .8856 CRS .9410 CST .6912
 FDE .8260 FRA -1.0739 FC3-2.7236 BSP 1598 SGB 717.3 R23 -.0331 R13 -.5857 LSA 572.2 MSA 161.0 SSA 24.6
 BDE .3733 BRA .2925 BC3 .4716 FSP -790 SGI 607.5 SG2 381.4 TMA .46 EL1 415.5 EL2 91.6 ALF 58.96

LAUNCH DATE DEC 11 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 230.471

RL 147.30 LAL -1.00 LOL 78.74 VL 28.071 GAL -8.89 AZL 86.65 MCA 105.05 SMA 130.88 ECC .19803 INC 3.3536 V1 30.247
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.066 GAP -5.22 A7P 90.87 TAL 222.37 TAP 327.42 RCA 104.96 APO 156.80 V2 35.166
 RC 63.151 GL 18.45 GP 1.20 ZAL 143.77 ZAP 36.92 ETS 357.27 ZAE 154.40 ETE 342.78 ZAC 62.11 ETC 163.38 CLP -36.91

PLANETOCENTRIC CONIC

C3 26.292 VML 5.128 DLA -3.63 RAL 289.44 RAD 6568.1 VEL 12.152 PTH 2.18 VHP 4.569 DPA -14.43 RAP 329.80 ECC 1.4327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 38 2168.40 -18.42 38.58 154.37 111.89 2 24 46 1568.4 -15.29 31.30
 90.00 12 52 47 5037.48 23.47 222.09 156.37 73.68 14 16 44 4437.5 21.01 214.29
 100.00 3 8 16 1911.47 -19.54 19.20 153.88 113.08 3 40 8 1311.5 -16.24 11.95
 100.00 14 15 49 4769.65 24.62 202.01 155.98 72.49 15 35 19 4169.6 22.00 194.20
 110.00 4 12 38 1710.00 -22.52 2.43 152.41 116.42 4 41 8 1110.0 -18.79 355.29
 110.00 15 27 57 4543.88 27.72 183.67 154.78 69.15 16 43 41 3943.9 24.64 175.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1758 TRA -.2952 TC3 .4326 BAU .1571 SGT 587.1 SGR 375.6 SG3 312.3 ST 220.4 SR 354.5 SS 445.4
 RDE -.3170 RRA .0433 RC3 -.1123 FAU .09389 RRT .0109 RRF -.0530 RTF -.5432 CRT .8712 CRS .9391 CST .6637
 FDE .9345 FRA -1.2397 FC3-3.0916 BSP 1477 SGB 697.0 R23 -.0430 R13 -.5436 LSA 586.7 MSA 166.9 SSA 24.2
 BDE .3624 BRA .2984 BC3 .4470 FSP -907 SGI 587.1 SG2 375.5 TMA .68 EL1 406.6 EL2 94.3 ALF 59.76

LAUNCH DATE DEC 11 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 237.112

RL 147.30 LAL -1.00 LOL 78.74 VL 28.128 GAL -8.85 AZL 86.66 MCA 108.28 SMA 131.30 ECC .19537 INC 3.3450 V1 30.247
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.099 GAP -4.57 A7P 91.05 TAL 223.10 TAP 331.38 RCA 105.64 APO 156.95 V2 35.155
 RC 65.219 GL 18.57 GP 1.30 ZAL 144.17 ZAP 41.17 ETS 357.32 ZAE 156.49 ETE 342.24 ZAC 61.11 ETC 163.25 CLP -41.15

PLANETOCENTRIC CONIC

C3 25.920 VML 5.091 DLA -3.57 RAL 288.90 RAD 6568.0 VEL 12.137 PTH 2.18 VHP 4.292 DPA -14.66 RAP 328.77 ECC 1.4266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 5 2166.60 -18.38 38.47 153.62 111.93 2 22 12 1566.6 -15.24 31.19
 90.00 12 51 4 5032.23 23.37 221.74 155.57 73.54 14 14 57 4432.2 20.89 213.95
 100.00 3 5 46 1909.59 -19.49 19.08 153.13 113.13 3 37 35 1309.6 -16.19 11.84
 100.00 14 14 5 4764.48 24.52 201.67 155.18 72.34 15 33 30 4164.5 21.87 193.87
 110.00 4 10 11 1707.93 -22.46 2.31 151.66 116.48 4 38 39 1107.9 -18.72 355.17
 110.00 15 26 10 4538.90 27.60 183.34 153.97 68.99 16 41 48 3938.9 24.50 175.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1607 TRA -.3061 TC3 .3977 BAU .1428 SGT 562.0 SGR 368.9 SG3 352.9 ST 208.7 SR 349.1 SS 474.5
 RDE -.3099 RRA .0436 RC3 -.1076 FAU .10485 RRT .0086 RRF -.0665 RTF -.4810 CRT .8440 CRS .9371 CST .6179
 FDE 1.0494 FRA -1.4218 FC3-3.5018 BSP 1344 SGB 672.2 R23 -.0592 R13 -.4814 LSA 600.2 MSA 172.4 SSA 23.9
 BDE .3491 BRA .3092 BC3 .4120 FSP -1043 SGI 562.0 SG2 368.8 TMA .57 EL1 394.5 EL2 99.1 ALF 61.24

LAUNCH DATE DEC 11 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 243.721

RL 147.30 LAL -0.00 LOL 78.74 VL 28.175 GAL -8.81 AZL 86.66 HCA 111.51 SMA 131.64 ECC .19308 INC 3.3360 V1 30.247
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.123 GAP -3.94 AZP 91.22 TAL 223.69 TAP 335.20 RCA 106.22 APO 157.05 V2 35.143
 RC 67.327 GL 18.69 GP 1.42 ZAL 144.48 ZAP 45.66 ETS 357.36 ZAE 158.92 ETE 341.35 ZAC 59.86 ETC 163.08 CLP -45.64

PLANETOCENTRIC CONIC

C3 25.575 VHL 5.057 DLA -3.51 RAL 288.48 RAD 6568.0 VEL 12.122 PTH 2.17 VHP 4.043 DPA -14.96 RAP 327.50 ECC 1.4209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 59 2165.03 -18.34 38.37 152.98 111.96 2 20 4 1565.0 -15.20 31.10
 90.00 12 49 49 5027.16 23.27 221.40 154.89 73.39 14 13 36 4427.2 20.77 213.62
 100.00 3 3 41 1907.93 -19.44 18.98 152.50 113.16 3 35 29 1307.9 -16.14 11.74
 100.00 14 12 48 4759.49 24.41 201.33 154.50 72.19 15 32 7 4159.5 21.75 193.55
 110.00 4 8 10 1706.09 -22.40 2.19 151.03 116.52 4 36 36 1106.1 -18.66 355.06
 110.00 15 24 49 4534.11 27.49 183.01 153.29 68.83 16 40 23 3934.1 24.36 175.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1434 TRA -.3256 TC3 .3466 BAU .1235 SGT 534.6 SGR 361.3 SG3 395.9 ST 196.9 SR 343.0 SS 505.5
 RDE -.3025 RRA .0445 RC3 -.1015 FAU .11638 RRT .0053 RRF -.0848 RTF -.3830 CRT .7986 CRS .9369 CST .5515
 FDE 1.1776 FRA -1.6094 FC3 -3.9395 BSP 1127 SGB 645.3 R23 -.0810 R13 -.3833 LSA 616.3 MSA 177.8 SSA 23.4
 BDE .3347 BRA .3286 BC3 .3611 FSP -1183 SG1 534.7 SG2 361.3 THA .38 EL1 380.9 EL2 106.8 ALF 63.09

LAUNCH DATE DEC 11 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 250.298

RL 147.30 LAL -0.00 LOL 78.74 VL 28.212 GAL -8.77 AZL 86.67 HCA 114.73 SMA 131.91 ECC .19110 INC 3.3267 V1 30.247
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.140 GAP -3.35 AZP 91.39 TAL 224.14 TAP 338.87 RCA 106.70 APO 157.12 V2 35.132
 RC 69.470 GL 18.79 GP 1.54 ZAL 144.70 ZAP 50.40 ETS 357.39 ZAE 161.65 ETE 339.92 ZAC 58.37 ETC 162.86 CLP -50.38

PLANETOCENTRIC CONIC

C3 25.245 VHL 5.024 DLA -3.46 RAL 288.17 RAD 6568.0 VEL 12.109 PTH 2.17 VHP 3.822 DPA -15.32 RAP 325.97 ECC 1.4155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 18 2163.65 -18.30 38.28 152.47 111.99 2 18 22 1563.6 -15.16 31.02
 90.00 12 49 0 5022.15 23.17 221.07 154.33 73.25 14 12 42 4422.2 20.66 213.30
 100.00 3 2 2 1906.46 -19.40 18.89 151.98 113.20 3 33 48 1306.5 -16.10 11.65
 100.00 14 11 57 4754.57 24.31 201.00 153.94 72.05 15 31 12 4154.6 21.63 193.23
 110.00 4 6 34 1704.42 -22.35 2.09 150.52 116.56 4 34 58 1104.4 -18.60 354.96
 110.00 15 23 54 4529.38 27.37 182.69 152.73 68.67 16 39 23 3929.4 24.22 174.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1217 TRA -.3525 TC3 .2808 BAU .0999 SGT 510.9 SGR 353.0 SG3 441.2 ST 184.2 SR 336.3 SS 535.8
 RDE -.2946 RRA .0461 RC3 -.0941 FAU .12850 RRT -.0068 RRF -.1064 RTF -.2406 CRT .7215 CRS .9372 CST .4482
 FDE 1.3104 FRA -1.8022 FC3 -4.4064 BSP 861 SGB 621.0 R23 .1095 R13 .2399 LSA 632.6 MSA 182.6 SSA 22.8
 BDE .3188 BRA .3555 BC3 .2961 FSP -1332 SG1 510.9 SG2 352.9 THA 179.49 EL1 365.0 EL2 117.5 ALF 65.77

LAUNCH DATE DEC 11 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 256.841

RL 147.30 LAL -0.00 LOL 78.74 VL 28.241 GAL -8.72 AZL 86.68 HCA 117.96 SMA 132.12 ECC .18938 INC 3.3168 V1 30.247
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.149 GAP -2.78 AZP 91.56 TAL 224.45 TAP 342.41 RCA 107.10 APO 157.14 V2 35.420
 RC 71.643 GL 18.87 GP 1.66 ZAL 144.84 ZAP 55.36 ETS 357.41 ZAE 164.66 ETE 337.61 ZAC 56.66 ETC 162.99 CLP -55.35

PLANETOCENTRIC CONIC

C3 24.925 VHL 4.993 DLA -3.39 RAL 287.95 RAD 6568.0 VEL 12.096 PTH 2.16 VHP 3.631 DPA -15.72 RAP 324.21 ECC 1.4102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 59 2162.43 -18.27 38.21 152.06 112.02 2 17 1 1562.4 -15.12 30.94
 90.00 12 48 36 5017.08 23.07 220.73 153.87 73.11 14 12 13 4417.1 20.54 212.97
 100.00 3 0 44 1905.15 -19.37 18.80 151.57 113.22 3 32 29 1305.1 -16.06 11.57
 100.00 14 11 32 4749.60 24.21 200.67 153.48 71.90 15 30 41 4149.6 21.51 192.91
 110.00 4 5 21 1702.89 -22.30 1.99 150.12 116.60 4 33 44 1102.9 -18.55 354.87
 110.00 15 23 25 4524.61 27.25 182.37 152.26 68.52 16 38 49 3924.6 24.09 174.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0950 TRA -.3862 TC3 .2007 BAU .0726 SGT 499.2 SGR 344.0 SG3 488.2 ST 172.2 SR 329.1 SS 564.1
 RDE -.2863 RRA .0483 RC3 -.0852 FAU .14100 RRT -.0343 RRF -.1315 RTF -.0498 CRT .5926 CRS .9377 CST .2889
 FDE 1.4417 FRA -1.9974 FC3 -4.8974 BSP 567 SGB 606.2 R23 .1347 R13 .0457 LSA 648.7 MSA 186.7 SSA 22.4
 BDE .3017 BRA .3892 BC3 .2180 FSP -1496 SG1 499.5 SG2 343.6 THA 177.43 EL1 347.4 EL2 131.4 ALF 69.74

LAUNCH DATE DEC 11 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 263.352

RL 147.30 LAL -0.00 LOL 78.74 VL 28.261 GAL -8.66 AZL 86.69 HCA 121.18 SMA 132.27 ECC .18789 INC 3.3064 V1 30.247
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.153 GAP -2.23 AZP 91.71 TAL 224.64 TAP 345.82 RCA 107.42 APO 157.13 V2 35.108
 RC 73.845 GL 18.96 GP 1.80 ZAL 144.89 ZAP 60.53 ETS 357.44 ZAE 167.90 ETE 333.65 ZAC 54.75 ETC 162.27 CLP -60.52

PLANETOCENTRIC CONIC

C3 24.607 VHL 4.961 DLA -3.33 RAL 287.84 RAD 6568.0 VEL 12.082 PTH 2.16 VHP 3.468 DPA -16.17 RAP 322.23 ECC 1.4050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 1 2161.35 -18.24 38.14 151.74 112.04 2 16 2 1561.3 -15.09 30.88
 90.00 12 48 38 5011.85 22.97 220.38 153.51 72.97 14 12 10 4411.8 20.42 212.64
 100.00 2 59 48 1903.96 -19.34 18.73 151.26 113.25 3 31 32 1304.0 -16.02 11.50
 100.00 14 11 32 4744.46 24.10 200.33 153.12 71.76 15 30 36 4144.5 21.38 192.58
 110.00 4 4 29 1701.48 -22.26 1.91 149.81 116.64 4 32 50 1101.5 -18.50 354.79
 110.00 15 23 20 4519.70 27.13 182.04 151.90 68.36 16 38 40 3919.7 23.95 174.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0651 TRA -.4289 TC3 .1024 BAU .0417 SGT 512.0 SGR 334.5 SG3 533.9 ST 166.8 SR 321.2 SS 592.1
 RDE -.2777 RRA .0513 RC3 -.0747 FAU .15304 RRT -.0749 RRF -.1629 RTF .1804 CRT .4007 CRS .9396 CST .0752
 FDE 1.5746 FRA -2.1776 FC3 -5.3844 BSP 227 SGB 611.6 R23 .1396 R13 -.1884 LSA 667.0 MSA 190.4 SSA 21.8
 BDE .2852 BRA .4319 BC3 .1267 FSP -1649 SG1 513.1 SG2 332.9 THA 175.16 EL1 330.0 EL2 148.8 ALF 75.16

LAUNCH DATE DEC 11 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 269.830

RL 147.30 LAL -0.00 LOL 78.74 VL 28.274 GAL -8.60 AZL 86.70 HCA 124.40 SMA 132.37 ECC .18657 INC 3.2952 V1 30.247
 RP 107.38 LAP 2.72 LOP 203.19 VP 38.151 GAP -1.71 AZP 91.86 TAL 224.70 TAP 349.10 RCA 107.67 APO 157.07 V2 35.095
 RC 76.070 GL 19.03 GP 1.94 ZAL 144.87 ZAP 65.87 ETS 357.48 ZAE 171.23 ETE 326.10 ZAC 52.68 ETC 161.89 CLP -65.85

PLANETOCENTRIC CONIC

C3 24.287 VHL 4.928 DLA -3.26 RAL 287.81 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 3.333 DPA -16.63 RAP 320.07 ECC 1.3997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 22 2160.37 -18.22 38.08 151.52 112.06 2 15 23 1560.4 -15.07 30.82
 90.00 12 49 4 5006.38 22.86 220.02 153.23 72.82 14 12 30 4406.4 20.29 212.29
 100.00 2 59 12 1902.88 -19.31 18.66 151.04 113.27 3 30 54 1302.9 -15.99 11.44
 100.00 14 11 55 4739.11 23.98 199.97 152.84 71.60 15 30 55 4139.1 21.25 192.24
 110.00 4 3 57 1700.16 -22.22 1.83 149.59 116.67 4 32 17 1100.2 -18.46 354.71
 110.00 15 23 39 4514.60 27.00 181.70 151.61 68.19 16 38 54 3914.6 23.80 174.00

DIFFERENTIAL CORRECTIONS

TDE -.0304 TRA -.4781 TC3 -.0106 BAU .0206
 RDE -.2686 RRA .0548 RC3 -.0627 FAU .16460
 FDE 1.6920 FRA -2.3444 FC3 -5.8675 BSP 333
 BDE .2703 BRA .4812 BC3 .0636 FSP -1807

MID-COURSE EXECUTION ACCURACY

SGT 557.9 SGR 324.7 SG3 578.1
 RRT -.1316 RRF -.1985 RTF .4048
 SGB 645.5 R23 .1198 R13 -.4135
 SG1 560.4 SG2 320.4 THA 173.48

ORBIT DETERMINATION ACCURACY

ST 170.7 SR 312.9 SS 615.8
 CRT .1466 CRS .9413 CST -.1847
 LSA 684.4 MSA 193.1 SSA 21.3
 EL1 314.3 EL2 168.1 ALF 83.58

LAUNCH DATE DEC 11 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 276.275

RL 147.30 LAL -0.00 LOL 78.74 VL 28.280 GAL -8.54 AZL 86.72 HCA 127.61 SMA 132.42 ECC .18542 INC 3.2832 V1 30.247
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.144 GAP -1.21 AZP 92.01 TAL 224.65 TAP 352.26 RCA 107.87 APO 156.97 V2 35.082
 RC 78.316 GL 19.10 GP 2.09 ZAL 144.77 ZAP 71.31 ETS 357.53 ZAE 174.36 ETE 308.75 ZAC 50.50 ETC 161.46 CLP -71.30

PLANETOCENTRIC CONIC

C3 23.959 VHL 4.895 DLA -3.18 RAL 287.87 RAD 6568.0 VEL 12.056 PTH 2.15 VHP 3.227 DPA -17.09 RAP 317.79 ECC 1.3943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 2 2159.48 -18.19 38.02 151.37 112.08 2 15 1 1559.5 -15.04 30.77
 90.00 12 49 53 5000.62 22.74 219.64 153.03 72.66 14 13 14 4400.6 20.16 211.92
 100.00 2 58 53 1901.87 -19.28 18.60 150.89 113.30 3 30 35 1301.9 -15.96 11.38
 100.00 14 12 43 4733.46 23.86 199.60 152.64 71.44 15 31 36 4133.5 21.10 191.88
 110.00 4 3 44 1698.88 -22.18 1.75 149.45 116.70 4 32 3 1098.9 -18.42 354.64
 110.00 15 24 22 4509.21 26.86 181.34 151.41 68.02 16 39 31 3909.2 23.64 173.66

DIFFERENTIAL CORRECTIONS

TDE .0071 TRA -.5349 TC3 -.1408 BAU .0478
 RDE -.2592 RRA .0587 RC3 -.0491 FAU .17450
 FDE 1.8006 FRA -2.4755 FC3 -6.3053 BSP 811
 BDE .2593 BRA .5381 BC3 .1491 FSP -1939

MID-COURSE EXECUTION ACCURACY

SGT 642.1 SGR 314.8 SG3 616.8
 RRT -.1932 RRF -.2415 RTF .5865
 SGB 715.1 R23 .0962 R13 -.5931
 SG1 645.8 SG2 307.1 THA 173.00

ORBIT DETERMINATION ACCURACY

ST 188.3 SR 304.1 SS 637.8
 CRT -.1115 CRS .9445 CST -.4223
 LSA 704.4 MSA 195.3 SSA 20.6
 EL1 305.2 EL2 186.4 ALF 96.31

LAUNCH DATE DEC 11 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 282.690

RL 147.30 LAL -0.00 LOL 78.74 VL 28.281 GAL -8.46 AZL 86.73 HCA 130.83 SMA 132.42 ECC .18439 INC 3.2700 V1 30.247
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.133 GAP -.73 AZP 92.14 TAL 224.48 TAP 355.31 RCA 108.00 APO 156.84 V2 35.069
 RC 80.581 GL 19.17 GP 2.25 ZAL 144.61 ZAP 76.81 ETS 357.60 ZAE 176.09 ETE 265.23 ZAC 48.28 ETC 160.99 CLP -76.80

PLANETOCENTRIC CONIC

C3 23.622 VHL 4.860 DLA -3.09 RAL 288.02 RAD 6568.0 VEL 12.042 PTH 2.15 VHP 3.146 DPA -17.53 RAP 315.44 ECC 1.3888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 58 2158.65 -18.17 37.97 151.30 112.10 2 14 57 1558.6 -15.02 30.72
 90.00 12 51 6 4994.52 22.62 219.23 152.90 72.49 14 14 20 4394.5 20.01 211.53
 100.00 2 58 52 1900.91 -19.25 18.54 150.83 113.32 3 30 33 1300.9 -15.93 11.32
 100.00 14 13 53 4727.49 23.73 199.20 152.51 71.27 15 32 40 4127.5 20.95 191.50
 110.00 4 3 48 1697.64 -22.14 1.67 149.38 116.73 4 32 6 1097.6 -18.38 354.56
 110.00 15 25 26 4503.53 26.72 180.97 151.28 67.84 16 40 30 3903.5 23.47 173.31

DIFFERENTIAL CORRECTIONS

TDE .0473 TRA -.5968 TC3 -.2847 BAU .0906
 RDE -.2494 RRA .0630 RC3 -.0340 FAU .18257
 FDE 1.8880 FRA -2.5709 FC3 -6.6909 BSP 1356
 BDE .2538 BRA .6001 BC3 .2868 FSP -2048

MID-COURSE EXECUTION ACCURACY

SGT 759.1 SGR 305.0 SG3 649.2
 RRT -.2577 RRF -.2903 RTF .7123
 SGB 818.1 R23 .0771 R13 -.7167
 SG1 763.8 SG2 292.9 THA 173.08

ORBIT DETERMINATION ACCURACY

ST 218.8 SR 294.8 SS 655.9
 CRT -.3272 CRS .9482 CST -.6028
 LSA 725.1 MSA 196.8 SSA 20.0
 EL1 310.1 EL2 196.6 ALF 113.61

LAUNCH DATE DEC 11 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 289.072

RL 147.30 LAL -0.00 LOL 78.74 VL 28.275 GAL -8.38 AZL 86.74 HCA 134.04 SMA 132.38 ECC .18348 INC 3.2556 V1 30.247
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.117 GAP -.27 AZP 92.26 TAL 224.21 TAP 358.25 RCA 108.09 APO 156.67 V2 35.056
 RC 82.862 GL 19.23 GP 2.41 ZAL 144.38 ZAP 82.28 ETS 357.69 ZAE 174.58 ETE 218.88 ZAC 46.07 ETC 160.49 CLP -82.27

PLANETOCENTRIC CONIC

C3 23.274 VHL 4.824 DLA -3.00 RAL 288.24 RAD 6567.9 VEL 12.027 PTH 2.15 VHP 3.091 DPA -17.93 RAP 313.09 ECC 1.3830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 11 2157.83 -18.15 37.92 151.30 112.11 2 15 9 1557.8 -14.99 30.67
 90.00 12 52 40 4988.07 22.49 218.81 152.84 72.32 14 15 48 4388.1 19.86 211.12
 100.00 2 59 8 1899.96 -19.23 18.48 150.83 113.34 3 30 48 1300.0 -15.91 11.26
 100.00 14 15 24 4721.18 23.59 198.78 152.45 71.09 15 34 6 4121.2 20.79 191.10
 110.00 4 4 10 1696.38 -22.10 1.59 149.39 116.76 4 32 26 1096.4 -18.33 354.49
 110.00 15 26 52 4497.52 26.56 180.57 151.21 67.65 16 41 49 3897.5 23.30 172.93

DIFFERENTIAL CORRECTIONS

TDE .0897 TRA -.6623 TC3 -.4402 BAU .1371
 RDE -.2391 RRA .0676 RC3 -.0173 FAU .18879
 FDE 1.9420 FRA -2.6318 FC3 -7.0225 BSP 1936
 BDE .2554 BRA .6657 BC3 .4405 FSP -2149

MID-COURSE EXECUTION ACCURACY

SGT 901.2 SGR 295.6 SG3 675.0
 RRT -.3246 RRF -.3436 RTF .7939
 SGB 948.4 R23 .0621 R13 -.7966
 SG1 906.8 SG2 277.9 THA 173.29

ORBIT DETERMINATION ACCURACY

ST 259.5 SR 285.0 SS 667.4
 CRT -.4861 CRS .9515 CST -.7252
 LSA 744.7 MSA 197.4 SSA 19.4
 EL1 333.0 EL2 194.1 ALF 129.54

LAUNCH DATE DEC 11 1965		FLIGHT TIME 102.00		ARRIVAL DATE MAR 23 1966	
HELIOCENTRIC CONIC		DISTANCE 295.424			
RL 147.30 LAL	-0.00 LOL 78.74 VL 28.265 GAL	-8.29 AZL 86.76 HCA 137.25 SMA 132.31 ECC	.18266 INC 3.2394 V1	30.247	
RP 108.14 LAP	2.20 LOP 216.04 VP 38.097 GAP	.17 AZP 92.38 TAL 223.84 TAP	1.09 RCA 108.14 APO 156.47 V2	35.043	
RC 85.157 GL	19.28 GP 2.57 ZAL 144.08 ZAP	87.67 ETS 357.80 ZAE 171.42 ETE 199.76 ZAC	43.94 ETC 159.98 CLP	-87.66	
PLANETOCENTRIC CONIC					
C3 22.911 VML	4.787 DLA -2.91 RAL 288.54 RAD 6567.9 VEL 12.012 PTH 2.14 VMP 3.060	CPA -18.27 RAP 310.82 ECC 1.3771			
LNCH AZMTH LNCH TIME L-I TIME	INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME	PO CST TIM INJ 2 LAT INJ 2 LONG			
90.00 1 39 40 2156.99	-18.13 37.87 151.37 112.13 2 15 37	1557.0 -14.97 30.62			
90.00 12 54 35 4981.25	22.34 218.36 152.85 72.14 14 17 36	4381.3 19.69 210.69			
100.00 2 59 39 1898.97	-19.20 18.42 150.89 113.36 3 31 18	1299.0 -15.88 11.20			
100.00 14 17 16 4714.51	23.44 198.34 152.45 70.90 15 35 51	4114.5 20.62 190.68			
110.00 4 4 48 1695.07	-22.06 1.51 149.46 116.80 4 33 3	1095.1 -18.29 354.41			
110.00 15 28 38 4491.18	26.40 180.15 151.21 67.45 16 43 29	3891.2 23.11 172.53			
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE .1327 TRA -.7302 TC3 -.6063 BAU .1857	SGT 1062.1 SGR 286.9 SG3 690.9	ST 307.4 SR 274.8 SS 676.2			
RDE -.2285 RRA .0721 RC3 .0006 FAU .19219	RRT -.3919 RRF -.4031 RTF .8454	CRT -.5950 CRS .9559 CST -.7997			
FDE 1.9765 FRA -2.6405 FC3 -7.2621 BSP 2552	SG8 1100.2 R23 .0546 R13 -.8473	LSA 766.7 MSA 197.6 SSA 18.6			
BDE .2642 BRA .7338 BC3 .6063 FSP -2204	SG1 1068.4 SG2 262.3 THA 173.57	EL1 368.9 EL2 184.0 ALF 140.35			
LAUNCH DATE DEC 11 1965		FLIGHT TIME 104.00		ARRIVAL DATE MAR 25 1966	
HELIOCENTRIC CONIC		DISTANCE 301.747			
RL 147.30 LAL	-0.00 LOL 78.74 VL 28.250 GAL	-8.19 AZL 86.78 HCA 140.46 SMA 132.19 ECC	.18192 INC 3.2213 V1	30.247	
RP 108.18 LAP	2.05 LOP 219.25 VP 38.074 GAP	.59 AZP 92.49 TAL 223.38 TAP	3.83 RCA 108.15 APO 156.24 V2	35.030	
RC 87.465 GL	19.33 GP 2.75 ZAL 143.72 ZAP	92.91 ETS 357.95 ZAE 167.93 ETE 191.48 ZAC	41.95 ETC 159.48 CLP	-92.91	
PLANETOCENTRIC CONIC					
C3 22.534 VML	4.747 DLA -2.81 RAL 288.91 RAD 6567.9 VEL 11.996 PTH 2.14 VMP 3.050	DPA -18.54 RAP 308.69 ECC 1.3708			
LNCH AZMTH LNCH TIME L-I TIME	INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME	PO CST TIM INJ 2 LAT INJ 2 LONG			
90.00 1 40 25 2156.06	-18.11 37.81 151.49 112.15 2 16 21	1556.1 -14.94 30.56			
90.00 12 56 49 4974.11	22.19 217.89 152.91 71.95 14 19 43	4374.1 19.52 210.23			
100.00 3 0 27 1897.88	-19.17 18.35 151.02 113.38 3 32 5	1297.9 -15.85 11.14			
100.00 14 19 28 4707.52	23.29 197.88 152.51 70.71 15 37 55	4107.5 20.44 190.24			
110.00 4 5 42 1693.64	-22.02 1.43 149.60 116.83 4 33 55	1093.6 -18.24 354.33			
110.00 15 30 43 4484.52	26.22 179.71 151.26 67.24 16 45 27	3884.5 22.91 172.12			
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE .1754 TRA -.7986 TC3 -.7796 BAU .2349	SGT 1234.5 SGR 278.9 SG3 699.2	ST 359.4 SR 263.9 SS 678.4			
RDE -.2174 RRA .0766 RC3 .0199 FAU .19351	RRT -.4615 RRF -.4659 RTF .8788	CRT -.6708 CRS .9598 CST -.8474			
FDE 1.9752 FRA -2.6158 FC3 -7.4347 BSP 3185	SG8 1265.6 R23 .0492 R13 -.8800	LSA 787.4 MSA 196.8 SSA 17.9			
BDE .2793 BRA .8023 BC3 .7798 FSP -2248	SG1 1241.5 SG2 246.0 THA 173.80	EL1 411.8 EL2 170.8 ALF 147.53			
LAUNCH DATE DEC 11 1965		FLIGHT TIME 106.00		ARRIVAL DATE MAR 27 1966	
HELIOCENTRIC CONIC		DISTANCE 308.042			
RL 147.30 LAL	-0.00 LOL 78.74 VL 28.231 GAL	-8.09 AZL 86.80 HCA 143.66 SMA 132.05 ECC	.18126 INC 3.2004 V1	30.247	
RP 108.22 LAP	1.90 LOP 222.45 VP 38.047 GAP	.99 AZP 92.58 TAL 222.83 TAP	6.49 RCA 108.12 APO 155.99 V2	35.016	
RC 89.783 GL	19.37 GP 2.95 ZAL 143.30 ZAP	97.94 ETS 358.14 ZAE 164.45 ETE 187.04 ZAC	40.15 ETC 159.03 CLP	-97.95	
PLANETOCENTRIC CONIC					
C3 22.140 VML	4.705 DLA -2.70 RAL 289.36 RAD 6567.9 VEL 11.980 PTH 2.14 VMP 3.059	DPA -18.73 RAP 306.75 ECC 1.3644			
LNCH AZMTH LNCH TIME L-I TIME	INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME	PO CST TIM INJ 2 LAT INJ 2 LONG			
90.00 1 41 26 2154.94	-18.08 37.74 151.68 112.17 2 17 21	1554.9 -14.91 30.49			
90.00 12 59 21 4966.68	22.04 217.40 153.02 71.75 14 22 7	4366.7 19.34 209.76			
100.00 3 1 31 1896.61	-19.14 18.27 151.21 113.41 3 33 8	1296.6 -15.81 11.06			
100.00 14 21 57 4700.24	23.12 197.40 152.62 70.51 15 40 17	4100.2 20.25 189.78			
110.00 4 6 52 1692.03	-21.97 1.33 149.79 116.87 4 35 5	1092.0 -18.19 354.24			
110.00 15 33 5 4477.59	26.04 179.25 151.37 67.03 16 47 43	3877.6 22.70 171.69			
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE .2172 TRA -.8658 TC3 -.9583 BAU .2839	SGT 1413.2 SGR 272.1 SG3 698.1	ST 413.5 SR 252.6 SS 678.7			
RDE -.2060 RRA .0808 RC3 .0403 FAU .19214	RRT -.5315 RRF -.5326 RTF .9002	CRT -.7252 CRS .9648 CST -.8767			
FDE 1.9578 FRA -2.5427 FC3 -7.5131 BSP 3821	SG8 1439.2 R23 .0486 R13 -.9011	LSA 810.3 MSA 196.0 SSA 17.0			
BDE .2994 BRA .8695 BC3 .9592 FSP -2244	SG1 1420.8 SG2 229.3 THA 174.00	EL1 458.4 EL2 156.9 ALF 152.64			
LAUNCH DATE DEC 11 1965		FLIGHT TIME 108.00		ARRIVAL DATE MAR 29 1966	
HELIOCENTRIC CONIC		DISTANCE 314.308			
RL 147.30 LAL	-0.00 LOL 78.74 VL 28.209 GAL	-7.97 AZL 86.82 HCA 146.86 SMA 131.89 ECC	.18067 INC 3.1762 V1	30.247	
RP 108.26 LAP	1.74 LOP 225.65 VP 38.018 GAP	1.38 AZP 92.66 TAL 222.19 TAP	9.06 RCA 108.06 APO 155.71 V2	35.003	
RC 92.112 GL	19.39 GP 3.16 ZAL 142.82 ZAP	102.74 ETS 358.38 ZAE 161.11 ETE 184.26 ZAC	38.56 ETC 158.67 CLP	-102.76	
PLANETOCENTRIC CONIC					
C3 21.729 VML	4.661 DLA -2.61 RAL 289.88 RAD 6567.9 VEL 11.963 PTH 2.13 VMP 3.085	CPA -18.83 RAP 305.04 ECC 1.3576			
LNCH AZMTH LNCH TIME L-I TIME	INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME	PO CST TIM INJ 2 LAT INJ 2 LONG			
90.00 1 42 46 2153.49	-18.04 37.65 151.91 112.20 2 18 39	1553.5 -14.87 30.41			
90.00 13 2 9 4959.07	21.87 216.90 153.19 71.56 14 24 48	4359.1 19.15 209.29			
100.00 3 2 54 1895.01	-19.09 18.18 151.44 113.45 3 34 29	1295.0 -15.76 10.97			
100.00 14 24 42 4692.78	22.95 196.91 152.79 70.31 15 42 55	4092.8 20.06 189.31			
110.00 4 8 21 1690.10	-21.91 1.21 150.03 116.92 4 36 31	1090.1 -18.12 354.12			
110.00 15 35 44 4470.46	25.85 178.79 151.54 66.81 16 50 14	3870.5 22.49 171.25			
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE .2568 TRA -.9305 TC3 -1.1410 BAU .3320	SGT 1594.3 SGR 266.8 SG3 690.5	ST 467.6 SR 240.7 SS 673.3			
RDE -.1942 RRA .0847 RC3 .0620 FAU .18906	RRT -.6022 RRF -.6004 RTF .9146	CRT -.7652 CRS .9694 CST -.8961			
FDE 1.9116 FRA -2.4438 FC3 -7.5324 BSP 4459	SG8 1616.5 R23 .0498 R13 -.9154	LSA 831.7 MSA 194.5 SSA 16.1			
BDE .3220 BRA .9343 BC3 1.1427 FSP -2232	SG1 1602.6 SG2 211.9 THA 174.14	EL1 506.0 EL2 143.2 ALF 156.90			

LAUNCH DATE DEC 11 1965

FLIGHT TIME 110.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 320.548

RL 147.30 LAL -.00 LOL 78.74 VL 28.182 GAL -7.85 AZL 86.85 MCA 150.06 SMA 131.69 ECC .18013 INC 3.1475 V1 30.247
 RP 108.31 LAP 1.57 LOP 228.85 VP 37.987 GAP 1.76 AZP 92.73 TAL 221.48 TAP 11.55 RCA 107.97 APO 155.42 V2 34.990
 RC 94.449 GL 19.40 GP 3.42 ZAL 142.29 ZAP 107.27 ETS 358.67 ZAE 157.97 ETE 182.30 ZAC 37.21 ETC 158.43 CLP-107.31

PLANETOCENTRIC CONIC

C3 21.300 VHL 4.615 DLA -2.51 RAL 290.46 RAD 6567.9 VEL 11.945 PTH 2.13 VHP 3.126 DPA -18.82 RAP 303.60 ECC 1.3505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 25 2151.53 -17.99 37.53 152.20 112.24 2 20 17 1551.5 -14.82 30.29
 90.00 13 5 10 4951.43 21.71 216.40 153.42 71.36 14 27 41 4351.4 18.96 208.80
 100.00 3 4 36 1892.91 -19.04 18.05 151.73 113.49 3 36 9 1292.9 -15.70 10.84
 100.00 14 27 41 4685.28 22.78 196.42 153.02 70.10 15 45 46 4085.3 19.86 188.84
 110.00 4 10 9 1687.69 -21.84 1.06 150.32 116.98 4 38 17 1087.7 -18.04 353.98
 110.00 15 38 37 4463.26 25.66 178.32 151.76 66.60 16 53 0 3863.3 22.27 170.80

DIFFERENTIAL CORRECTIONS

TOE .2938 TRA -.9913 TC3-1.3263 BAU .3785
 ROE -.1821 RRA .0881 RC3 .0852 FAU .18409
 FDE 1.8538 FRA-2.3133 FC3-7.4823 BSP 5083
 BDE .3457 BRA .9952 BC3 1.3290 FSP -2186

MID-COURSE EXECUTION ACCURACY

SGT 1774.6 SGR 263.2 SG3 676.2
 RRT -.6712 RRF -.6688 RTF .9241
 SGB 1794.0 R23 .0554 R13 -.9248
 SG1 1783.5 SG2 194.4 THA 174.25

ORBIT DETERMINATION ACCURACY

ST 520.6 SR 228.5 SS 666.2
 CRT -.7962 CRS .9745 CST -.9080
 LSA 854.0 MSA 193.4 SSA 15.0
 EL1 553.4 EL2 130.0 ALF 159.56

LAUNCH DATE DEC 11 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 326.762

RL 147.30 LAL -.00 LOL 78.74 VL 28.153 GAL -7.72 AZL 86.89 MCA 153.26 SMA 131.48 ECC .17965 INC 3.1126 V1 30.247
 RP 108.35 LAP 1.40 LOP 232.04 VP 37.953 GAP 2.11 AZP 92.78 TAL 220.70 TAP 13.96 RCA 107.86 APO 155.10 V2 34.977
 RC 96.794 GL 19.37 GP 3.72 ZAL 141.72 ZAP 111.53 ETS 359.03 ZAE 155.04 ETE 180.79 ZAC 36.09 ETC 158.37 CLP-111.58

PLANETOCENTRIC CONIC

C3 20.852 VHL 4.566 DLA -2.44 RAL 291.12 RAD 6567.8 VEL 11.926 PTH 2.12 VHP 3.180 DPA -18.71 RAP 302.43 ECC 1.3432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 29 2148.73 -17.92 37.35 152.53 112.30 2 22 18 1548.7 -14.74 30.12
 90.00 13 8 21 4944.00 21.55 215.92 153.70 71.17 14 30 45 4344.0 18.78 208.34
 100.00 3 6 42 1890.00 -18.96 17.87 152.07 113.55 3 38 12 1290.0 -15.61 10.67
 100.00 14 30 49 4677.96 22.61 195.95 153.30 69.91 15 48 47 4078.0 19.67 188.39
 110.00 4 12 20 1684.53 -21.74 .87 150.66 117.05 4 40 25 1084.5 -17.94 353.80
 110.00 15 41 40 4456.20 25.46 177.86 152.04 66.38 16 55 57 3856.2 22.05 170.37

DIFFERENTIAL CORRECTIONS

TOE .3272 TRA -1.0475 TC3-1.5145 BAU .4233
 ROE -.1698 RRA .0911 RC3 .1104 FAU .17819
 FDE 1.7760 FRA-2.1702 FC3-7.3981 BSP 5704
 BDE .3686 BRA 1.0515 BC3 1.5185 FSP -2138

MID-COURSE EXECUTION ACCURACY

SGT 1952.5 SGR 262.0 SG3 658.3
 RRT -.7378 RRF -.7353 RTF .9308
 SGB 1970.0 R23 .0637 R13 -.9314
 SG1 1962.1 SG2 176.0 THA 174.30

ORBIT DETERMINATION ACCURACY

ST 570.9 SR 215.8 SS 654.5
 CRT -.8207 CRS .9792 CST -.9159
 LSA 874.0 MSA 191.8 SSA 13.9
 EL1 599.0 EL2 117.6 ALF 162.05

LAUNCH DATE DEC 11 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 332.951

RL 147.30 LAL -.00 LOL 78.74 VL 28.122 GAL -7.59 AZL 86.93 MCA 156.46 SMA 131.25 ECC .17923 INC 3.0690 V1 30.247
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.918 GAP 2.46 AZP 92.81 TAL 219.86 TAP 16.31 RCA 107.72 APO 154.77 V2 34.964
 RC 99.145 GL 19.30 GP 4.11 ZAL 141.09 ZAP 115.50 ETS 359.49 ZAE 152.35 ETE 179.49 ZAC 35.22 ETC 158.53 CLP-115.57

PLANETOCENTRIC CONIC

C3 20.381 VHL 4.515 DLA -2.40 RAL 291.85 RAD 6567.8 VEL 11.906 PTH 2.12 VHP 3.244 DPA -18.47 RAP 301.53 ECC 1.3354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 5 2144.61 -17.81 37.10 152.91 112.38 2 24 49 1544.6 -14.62 29.87
 90.00 13 11 34 4937.20 21.40 215.48 154.04 71.00 14 33 52 4337.2 18.61 207.91
 100.00 3 9 18 1885.82 -18.84 17.61 152.44 113.64 3 40 44 1285.8 -15.49 10.42
 100.00 14 34 2 4671.22 22.45 195.51 153.63 69.73 15 51 53 4071.2 19.49 187.97
 110.00 4 14 59 1680.20 -21.60 .60 151.05 117.16 4 42 59 1080.2 -17.79 353.55
 110.00 15 44 50 4449.60 25.28 177.43 152.38 66.19 16 59 0 3849.6 21.85 169.96

DIFFERENTIAL CORRECTIONS

TOE .3573 TRA -1.0972 TC3-1.7037 BAU .4657
 ROE -.1576 RRA .0936 RC3 .1380 FAU .17109
 FDE 1.6940 FRA-2.0072 FC3-7.2675 BSP 6285
 BDE .3905 BRA 1.1012 BC3 1.7093 FSP -2063

MID-COURSE EXECUTION ACCURACY

SGT 2124.7 SGR 264.0 SG3 636.0
 RRT -.7990 RRF -.7982 RTF .9350
 SGB 2141.1 R23 .0782 R13 -.9356
 SG1 2135.2 SG2 157.9 THA 174.30

ORBIT DETERMINATION ACCURACY

ST 618.5 SR 203.2 SS 642.0
 CRT -.8417 CRS .9841 CST -.9203
 LSA 894.1 MSA 190.9 SSA 12.6
 EL1 642.4 EL2 105.7 ALF 164.10

LAUNCH DATE DEC 11 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 339.116

RL 147.30 LAL -.00 LOL 78.74 VL 28.087 GAL -7.44 AZL 86.99 MCA 159.65 SMA 131.00 ECC .17886 INC 3.0127 V1 30.247
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.881 GAP 2.79 AZP 92.83 TAL 218.95 TAP 18.59 RCA 107.57 APO 154.43 V2 34.951
 RC 101.502 GL 19.16 GP 4.61 ZAL 140.44 ZAP 119.19 ETS .09 ZAE 149.88 ETE 178.26 ZAC 34.55 ETC 158.98 CLP-119.29

PLANETOCENTRIC CONIC

C3 19.885 VHL 4.459 DLA -2.41 RAL 292.65 RAD 6567.8 VEL 11.886 PTH 2.11 VHP 3.318 DPA -18.06 RAP 300.89 ECC 1.3273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 23 2138.35 -17.65 36.71 153.32 112.51 2 28 1 1538.3 -14.45 29.50
 90.00 13 14 42 4931.70 21.27 215.12 154.44 70.86 14 36 53 4331.7 18.47 207.57
 100.00 3 12 36 1879.57 -18.67 17.22 152.86 113.78 3 43 56 1279.6 -15.30 10.05
 100.00 14 37 9 4665.71 22.32 195.15 154.04 69.58 15 54 55 4065.7 19.34 187.62
 110.00 4 18 16 1674.00 -21.41 .23 151.47 117.31 4 46 10 1074.0 -17.58 353.19
 110.00 15 47 59 4444.05 25.13 177.07 152.79 66.03 17 2 3 3844.0 21.68 169.63

DIFFERENTIAL CORRECTIONS

TOE .3817 TRA -1.1411 TC3-1.8977 BAU .5065
 ROE -.1454 RRA .0959 RC3 .1698 FAU .16374
 FDE 1.5967 FRA-1.8433 FC3-7.1290 BSP 6867
 BDE .4084 BRA 1.1451 BC3 1.9053 FSP -1994

MID-COURSE EXECUTION ACCURACY

SGT 2293.1 SGR 270.3 SG3 612.5
 RRT -.8534 RRF -.8552 RTF .9379
 SGB 2309.0 R23 .0994 R13 -.9385
 SG1 2304.7 SG2 140.2 THA 174.24

ORBIT DETERMINATION ACCURACY

ST 661.0 SR 190.5 SS 624.8
 CRT -.8588 CRS .9885 CST -.9224
 LSA 909.6 MSA 189.9 SSA 11.3
 EL1 681.3 EL2 94.7 ALF 165.82

LAUNCH DATE DEC 11 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 345.258

RL 147.30 LAL -.00 LOL 78.74 VL 28.051 GAL -7.29 AZL 87.06 MCA 162.84 SMA 130.73 ECC .17855 INC 2.9366 V1 30.247
 RP 108.46 LAP .87 LOP 241.60 VP 37.842 GAP 3.11 AZP 92.81 TAL 217.98 TAP 20.82 RCA 107.39 APO 154.08 V2 34.939
 RC 103.862 GL 18.91 GP 5.30 ZAL 139.76 ZAP 122.60 ETS .89 ZAE 147.63 ETE 176.95 ZAC 34.08 ETC 159.83 CLP-122.76

PLANETOCENTRIC CONIC

C3 19.353 VHL 4.399 DLA -2.52 RAL 293.54 RAD 6567.8 VEL 11.863 PTH 2.10 VHP 3.400 OPA -17.42 RAP 300.49 ECC 1.3185
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 45 2128.46 -17.39 36.10 153.77 112.71 2 32 14 1528.5 -14.16 28.91
 90.00 13 17 25 4928.74 21.21 214.93 154.92 70.78 14 39 33 4328.7 18.39 207.38
 100.00 3 16 56 1869.85 -18.41 16.62 153.31 113.98 3 48 5 1269.9 -15.01 9.48
 100.00 14 39 56 4662.58 22.25 194.95 154.92 69.50 15 57 38 4062.6 19.26 187.43
 110.00 4 22 29 1664.65 -21.12 359.66 151.92 117.53 4 50 13 1064.7 -17.26 352.65
 110.00 15 50 52 4440.54 25.03 176.85 153.27 65.92 17 4 53 3840.5 21.57 169.41

DIFFERENTIAL CORRECTIONS

TDE .3998 TRA-1.1768 TC3-2.0966 BAU .5451
 RDE -.1337 RRA .0978 RC3 .2074 FAU .15584
 FDE 1.4938 FRA-1.6693 FC3-6.9712 BSP 7414
 BDE .4215 BRA 1.1809 BC3 2.1069 FSP -1909

MID-COURSE EXECUTION ACCURACY

SGT 2455.1 SGR 282.6 SG3 586.9
 RRT -.8977 RRF -.9040 RTF .9394
 SGB 2471.4 R23 .1329 R13 -.9401
 SG1 2468.3 SG2 123.9 TMA 174.08

ORBIT DETERMINATION ACCURACY

ST 697.1 SR 178.4 SS 605.3
 CRT -.8732 CRS .9925 CST -.9215
 LSA 920.9 MSA 190.0 SSA 9.9
 EL1 714.6 EL2 84.8 ALF 167.22

LAUNCH DATE DEC 11 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 351.378

RL 147.30 LAL -.00 LOL 78.74 VL 28.013 GAL -7.12 AZL 87.17 MCA 166.03 SMA 130.46 ECC .17828 INC 2.8272 V1 30.247
 RP 108.50 LAP .68 LOP 244.79 VP 37.802 GAP 3.42 AZP 92.74 TAL 216.95 TAP 22.98 RCA 107.20 APO 153.72 V2 34.926
 RC 106.225 GL 18.45 GP 6.30 ZAL 139.10 ZAP 125.74 ETS 2.04 ZAE 145.56 ETE 175.38 ZAC 33.75 ETC 161.24 CLP-125.99

PLANETOCENTRIC CONIC

C3 18.772 VHL 4.333 DLA -2.82 RAL 294.53 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 3.490 OPA -16.44 RAP 300.29 ECC 1.3089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 54 2112.08 -16.96 35.09 154.23 113.02 2 38 6 1512.1 -13.69 27.94
 90.00 13 19 9 4930.73 21.25 215.06 155.49 70.83 14 41 20 4330.7 18.44 207.51
 100.00 3 22 56 1853.92 -17.96 15.65 153.77 114.30 3 53 50 1253.9 -14.53 8.54
 100.00 14 41 48 4664.12 22.28 195.05 155.09 69.54 15 59 32 4064.1 19.30 187.52
 110.00 4 28 10 1649.71 -20.64 358.76 152.38 117.87 4 55 39 1049.7 -16.75 351.79
 110.00 15 53 4 4441.09 25.05 176.88 153.86 65.94 17 7 5 3841.1 21.58 169.44

DIFFERENTIAL CORRECTIONS

TDE .4059 TRA-1.2049 TC3-2.3088 BAU .5830
 RDE -.1224 RRA .1000 RC3 .2561 FAU .14814
 FDE 1.3685 FRA-1.4998 FC3-6.8320 BSP 7985
 BDE .4240 BRA 1.2090 BC3 2.3230 FSP -1836

MID-COURSE EXECUTION ACCURACY

SGT 2614.5 SGR 304.9 SG3 561.7
 RRT -.9308 RRF -.9431 RTF .9403
 SGB 2632.3 R23 .1812 R13 -.9412
 SG1 2629.9 SG2 110.8 TMA 173.79

ORBIT DETERMINATION ACCURACY

ST 721.7 SR 166.8 SS 577.1
 CRT -.8831 CRS .9956 CST -.9177
 LSA 919.4 MSA 190.2 SSA 8.4
 EL1 736.7 EL2 76.7 ALF 168.33

LAUNCH DATE DEC 11 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 357.477

RL 147.30 LAL -.00 LOL 78.74 VL 27.973 GAL -6.95 AZL 87.35 MCA 169.21 SMA 130.17 ECC .17808 INC 2.6540 V1 30.247
 RP 108.54 LAP .50 LOP 247.97 VP 37.762 GAP 3.72 AZP 92.61 TAL 215.88 TAP 25.09 RCA 106.99 APO 153.35 V2 34.914
 RC 108.588 GL 17.59 GP 7.90 ZAL 138.50 ZAP 128.95 ETS 3.84 ZAE 143.63 ETE 173.21 ZAC 33.51 ETC 163.61 CLP-128.99

PLANETOCENTRIC CONIC

C3 18.107 VHL 4.255 DLA -3.48 RAL 295.65 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 3.592 OPA -14.84 RAP 300.21 ECC 1.2980
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 22 2082.80 -16.17 33.31 154.69 113.57 2 47 5 1482.8 -12.84 26.21
 90.00 13 18 38 4943.11 21.53 215.86 156.22 71.15 14 41 1 4343.1 18.75 208.28
 100.00 3 32 5 1825.66 -17.16 13.93 154.23 114.86 4 2 30 1225.7 -13.67 6.88
 100.00 14 41 36 4675.49 22.55 195.79 155.83 69.84 15 59 31 4075.5 19.60 188.23
 110.00 4 36 35 1623.71 -19.81 357.20 152.83 118.44 5 3 39 1023.7 -15.86 350.31
 110.00 15 53 35 4450.20 25.30 177.47 154.61 66.21 17 7 45 3850.2 21.87 170.00

DIFFERENTIAL CORRECTIONS

TDE .3965 TRA-1.2185 TC3-2.5343 BAU .6185
 RDE -.1122 RRA .1026 RC3 .3242 FAU .13997
 FDE 1.2188 FRA-1.3196 FC3-6.6923 BSP 8491
 BDE .4121 BRA 1.2229 BC3 2.5550 FSP -1751

MID-COURSE EXECUTION ACCURACY

SGT 2763.9 SGR 343.7 SG3 534.7
 RRT -.9509 RRF -.9712 RTF .9405
 SGB 2785.1 R23 .2444 R13 -.9416
 SG1 2783.1 SG2 105.6 TMA 173.25

ORBIT DETERMINATION ACCURACY

ST 729.7 SR 156.9 SS 538.2
 CRT -.8880 CRS .9979 CST -.9092
 LSA 900.1 MSA 190.8 SSA 6.9
 EL1 743.0 EL2 70.9 ALF 169.09

LAUNCH DATE DEC 11 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 363.556

RL 147.30 LAL -.00 LOL 78.74 VL 27.931 GAL -6.78 AZL 87.66 MCA 172.40 SMA 129.88 ECC .17793 INC 2.3378 V1 30.247
 RP 108.58 LAP .31 LOP 251.15 VP 37.720 GAP 4.01 AZP 92.32 TAL 214.76 TAP 27.15 RCA 106.77 APO 152.98 V2 34.903
 RC 110.951 GL 15.81 GP 10.81 ZAL 138.13 ZAP 130.91 ETS 7.01 ZAE 141.64 ETE 169.63 ZAC 33.27 ETC 167.99 CLP-131.81

PLANETOCENTRIC CONIC

C3 17.282 VHL 4.157 DLA -5.05 RAL 297.00 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 3.714 OPA -11.90 RAP 300.10 ECC 1.2844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 30 2023.07 -14.51 29.71 155.14 114.59 3 3 13 1423.1 -11.07 22.72
 90.00 13 12 16 4981.15 22.34 218.35 157.27 72.14 14 35 17 4381.2 19.69 210.68
 100.00 3 48 28 1768.34 -15.49 10.50 154.66 115.89 4 17 57 1168.3 -11.88 3.56
 100.00 14 35 59 4711.11 23.37 198.12 156.90 70.81 15 54 30 4111.1 20.54 190.47
 110.00 4 51 16 1571.75 -18.09 354.15 153.23 119.51 5 17 28 971.7 -14.03 347.39
 110.00 15 49 41 4480.47 26.12 179.44 155.74 67.12 17 4 21 3880.5 22.79 171.87

DIFFERENTIAL CORRECTIONS

TDE .3520 TRA-1.2082 TC3-2.7891 BAU .6522
 RDE -.1031 RRA .1059 RC3 .4361 FAU .13058
 FDE 1.0124 FRA-1.1102 FC3-6.5413 BSP 8903
 BDE .3668 BRA 1.2129 BC3 2.8230 FSP -1633

MID-COURSE EXECUTION ACCURACY

SGT 2899.5 SGR 416.1 SG3 502.9
 RRT -.9571 RRF -.9890 RTF .9394
 SGB 2929.2 R23 .3047 R13 -.9412
 SG1 2926.8 SG2 119.4 TMA 172.17

ORBIT DETERMINATION ACCURACY

ST 701.3 SR 149.1 SS 474.4
 CRT -.8773 CRS .9991 CST -.8868
 LSA 837.8 MSA 193.0 SSA 5.3
 EL1 713.5 EL2 70.3 ALF 169.33

LAUNCH DATE DEC 11 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 369.615

RL 147.30 LAL -.00 LOL 78.74 VL 27.889 GAL -6.59 AZL 88.42 HCA 175.58 SMA 129.57 ECC .17783 INC 1.5718 V1 30.247
 RP 108.61 LAP .12 LOP 254.32 VP 37.678 GAP 4.29 AZP 91.57 TAL 213.59 TAP 29.17 RCA 106.53 APO 152.62 V2 34.892
 RC 113.313 GL 10.95 GP 17.72 ZAL 138.40 ZAP 131.92 ETS 14.12 ZAE 138.65 ETE 161.99 ZAC 33.20 ETC 178.43 CLP-134.53

PLANETOCENTRIC CONIC

C3 16.096 VHL 4.012 DLA -9.61 RAL 299.00 RAO 6567.6 VEL 11.725 PTH 2.07 VHP 3.921 OPA -5.01 RAP 299.43 ECC 1.2649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 53 1861.15 -9.72 20.22 155.85 116.73 3 43 54 1261.1 -6.06 13.46
 90.00 12 44 48 5110.47 24.78 227.04 159.62 75.83 14 9 59 4510.5 22.59 219.06
 100.00 4 29 30 1613.97 -10.71 1.53 155.33 118.08 4 56 24 1014.0 -6.87 354.84
 100.00 14 10 52 4832.88 25.85 206.31 159.31 74.44 15 31 25 4232.9 23.46 198.32
 110.00 5 27 0 1433.91 -13.30 346.34 153.81 121.78 5 50 53 833.9 -9.01 339.88
 110.00 15 29 52 4585.70 28.70 186.53 158.29 70.59 16 46 18 3985.7 25.79 178.57

DIFFERENTIAL CORRECTIONS

TDE .1843 TRA-1.1487 TC3-3.1389 BAU .6915
 RDE -.0827 RRA .1119 RC3 .6889 FAU .11763
 FDE .5852 FRA -.8388 FC3-6.3267 BSP 9397
 BDE .2020 BRA 1.1541 BC3 3.2136 FSP -1481

MID-COURSE EXECUTION ACCURACY

SGT 3030.0 SGR 588.0 SG3 456.7
 RRT -.9502 RRF -.9978 RTF .9382
 SGB 3086.5 R23 .3312 R13 -.9418
 SG1 3081.3 SG2 180.2 THA 169.52

ORBIT DETERMINATION ACCURACY

ST 569.3 SR 128.8 SS 313.2
 CRT -.7719 CRS .9991 CST -.7855
 LSA 635.0 MSA 188.6 SSA 4.3
 EL1 578.1 EL2 80.7 ALF 169.89

LAUNCH DATE DEC 11 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 375.650

RL 147.30 LAL -.00 LOL 78.74 VL 27.845 GAL -6.39 AZL 93.06 HCA 178.75 SMA 129.27 ECC .17779 INC 3.0159 V1 30.247
 RP 108.64 LAP -.07 LOP 257.50 VP 37.636 GAP 4.56 AZP 86.94 TAL 212.37 TAP 31.12 RCA 106.28 APO 152.25 V2 34.881
 RC 115.673 GL -20.71 GP 48.81 ZAL 134.02 ZAP 120.01 ETS 37.61 ZAE 121.41 ETE 139.83 ZAC 43.76 ETC 217.12 CLP-139.41

PLANETOCENTRIC CONIC

C3 17.418 VHL 4.173 DLA -40.11 RAL 308.72 RAO 6567.7 VEL 11.781 PTH 2.08 VHP 5.601 OPA 25.47 RAP 292.99 ECC 1.2867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.32 5 17 11 1485.60 28.26 13.83 179.06 119.74 5 41 56 885.6 31.98 6.06
 119.68 11 58 4 5522.26 28.27 256.48 179.06 119.73 13 30 6 4922.3 31.99 248.71
 60.32 5 17 11 1485.60 28.26 13.83 179.06 119.74 5 41 56 885.6 31.98 6.06
 119.68 11 58 4 5522.26 28.27 256.48 179.06 119.73 13 30 6 4922.3 31.99 248.71
 60.32 5 17 11 1485.60 28.26 13.83 179.06 119.74 5 41 56 885.6 31.98 6.06
 119.68 11 58 4 5522.26 28.27 256.48 179.06 119.73 13 30 6 4922.3 31.99 248.71

DIFFERENTIAL CORRECTIONS

TDE -.9436 TRA -.5283 TC3-2.6671 BAU .6803
 RDE .3022 RRA -.0288 RC3 1.1920 FAU .05614
 FDE -.7630 FRA .0032 FC3-2.7905 BSP 6636
 BDE .9908 BRA .5290 BC3 2.9213 FSP -567

MID-COURSE EXECUTION ACCURACY

SGT 2744.7 SGR 1079.2 SG3 220.7
 RRT -.9126 RRF -.9986 RTF .9325
 SGB 2949.2 R23 .3118 R13 -.9501
 SG1 2919.9 SG2 414.7 THA 159.84

ORBIT DETERMINATION ACCURACY

ST 1328.0 SR 416.2 SS 508.0
 CRT -.9679 CRS .9994 CST -.9763
 LSA 1475.2 MSA 136.7 SSA .8
 EL1 1388.1 EL2 100.0 ALF 163.03

LAUNCH DATE DEC 11 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 381.687

RL 147.30 LAL -.00 LOL 78.74 VL 27.800 GAL -6.19 AZL 82.48 HCA 181.94 SMA 128.95 ECC .17786 INC 7.5394 V1 30.247
 RP 108.68 LAP -.25 LOP 260.67 VP 37.593 GAP 4.83 AZP 97.53 TAL 211.14 TAP 33.08 RCA 106.02 APO 151.89 V2 34.870
 RC 118.029 GL 42.25 GP -34.90 ZAL 121.26 ZAP 129.00 ETS 322.54 ZAE 124.54 ETE 211.11 ZAC 59.38 ETC 127.38 CLP-140.12

PLANETOCENTRIC CONIC

C3 29.088 VHL 5.393 DLA 21.92 RAL 296.68 RAO 6568.2 VEL 12.266 PTH 2.21 VHP 4.737 OPA -56.38 RAP 313.79 ECC 1.4787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 33 53 3068.62 -27.52 101.40 173.12 83.06 23 25 2 2468.6 -28.20 92.80
 90.00 17 1 22 4187.58 -.36 171.29 164.33 61.69 18 11 10 3587.6 -4.14 164.65
 100.00 0 14 40 2756.33 -29.43 78.66 173.36 84.49 1 0 37 2156.3 -29.88 69.88
 100.00 18 7 12 3975.10 1.31 154.74 163.40 60.13 19 13 27 3375.1 -2.67 148.22
 110.00 1 55 13 2441.80 -34.14 55.13 173.71 88.11 2 35 54 1841.8 -34.02 45.89
 110.00 18 43 9 3862.40 5.32 143.71 160.90 56.18 19 47 32 3262.4 .84 137.48

DIFFERENTIAL CORRECTIONS

TDE 1.8410 TRA-1.7516 TC3-1.8223 BAU .7245
 RDE .3783 RRA -.0546 RC3 -.3874 FAU .07883
 FDE 2.2770 FRA -.9947 FC3-2.3462 BSP 10916
 BDE 1.8795 BRA 1.7525 BC3 1.8630 FSP -1096

MID-COURSE EXECUTION ACCURACY

SGT 3422.4 SGR 583.1 SG3 318.1
 RRT .8682 RRF .9786 RTF .9517
 SGB 3471.7 R23 .2953 R13 .9554
 SG1 3459.9 SG2 286.1 THA 8.47

ORBIT DETERMINATION ACCURACY

ST 2047.1 SR 402.5 SS 1000.4
 CRT .9685 CRS -.9956 CST -.9875
 LSA 2307.8 MSA 166.4 SSA .4
 EL1 2084.0 EL2 98.5 ALF 10.80

LAUNCH DATE DEC 11 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 387.690

RL 147.30 LAL -.00 LOL 78.74 VL 27.754 GAL -5.98 AZL 85.04 HCA 185.11 SMA 128.63 ECC .17795 INC 4.9595 V1 30.247
 RP 108.71 LAP -.44 LOP 263.84 VP 37.550 GAP 5.09 AZP 94.94 TAL 209.85 TAP 34.96 RCA 105.74 APO 151.53 V2 34.860
 RC 120.382 GL 31.83 GP -14.27 ZAL 126.49 ZAP 139.13 ETS 340.45 ZAE 133.87 ETE 196.17 ZAC 46.53 ETC 141.35 CLP-141.29

PLANETOCENTRIC CONIC

C3 20.483 VHL 4.526 DLA 11.81 RAL 299.30 RAO 6567.8 VEL 11.911 PTH 2.12 VHP 4.171 OPA -35.96 RAP 308.72 ECC 1.3371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 57 2595.63 -26.62 67.09 164.95 100.02 1 13 12 1995.6 -24.97 58.82
 90.00 15 30 11 4488.56 9.21 188.22 159.66 63.11 16 43 0 3888.6 5.53 181.48
 100.00 1 57 17 2313.94 -27.84 46.12 164.69 101.36 2 35 51 1713.9 -25.99 37.81
 100.00 16 45 32 4245.48 10.31 169.77 159.08 61.79 17 56 17 3645.5 6.46 163.10
 110.00 3 19 6 2057.95 -31.06 25.81 163.82 105.06 3 53 24 1458.0 -28.68 17.42
 110.00 17 40 13 4074.23 13.17 155.09 157.39 58.17 18 48 7 3474.2 8.87 148.63

DIFFERENTIAL CORRECTIONS

TDE 1.1938 TRA-1.4933 TC3-2.7253 BAU .7477
 RDE .1087 RRA .0167 RC3 -.1689 FAU .10079
 FDE 1.8995 FRA -.8769 FC3-4.2598 BSP 10649
 BDE 1.1988 BRA 1.4934 BC3 2.7305 FSP -1334

MID-COURSE EXECUTION ACCURACY

SGT 3478.5 SGR 206.8 SG3 404.7
 RRT .7551 RRF .9247 RTF .9414
 SGB 3484.6 R23 .3246 R13 .9419
 SG1 3482.0 SG2 135.5 THA 2.57

ORBIT DETERMINATION ACCURACY

ST 1620.3 SR 137.9 SS 876.2
 CRT .9159 CRS -.9824 CST -.9747
 LSA 1838.4 MSA 179.7 SSA 1.9
 EL1 1625.2 EL2 55.2 ALF 4.46

LAUNCH DATE DEC 11 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -.00 LOL 78.74 VL 27.708 GAL -5.76 AZL 85.64 MCA 188.29 SMA 128.31 ECC .17813 INC 4.3549 V1 30.247
 RP 108.74 LAP -.63 LOP 267.01 VP 37.507 GAP 5.34 AZP 94.31 TAL 208.52 TAP 36.81 RCA 105.46 APO 151.17 V2 34.851
 RC 122.731 GL 29.00 GP -8.69 ZAL 126.70 ZAP 142.30 ETS 346.25 ZAE 134.64 ETE 190.45 ZAC 44.50 ETC 146.98 CLP-143.17

PLANETOCENTRIC CONIC

C3 18.648 VHL 4.318 DLA 9.33 RAL 301.10 RAD 6567.8 VEL 11.833 PTH 2.10 VHP 4.200 DPA -30.24 RAP 308.75 ECC 1.3069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 26 2491.24 -25.18 59.79 164.10 103.40 1 38 57 1891.2 -23.09 51.75
 90.00 15 17 2 4548.46 11.04 191.68 160.07 63.76 16 32 50 3948.5 7.42 184.86
 100.00 2 23 21 2214.15 -26.30 39.10 163.79 104.75 3 0 15 1614.2 -24.02 31.05
 100.00 16 33 48 4300.78 12.07 172.93 159.53 62.44 17 45 29 3700.8 8.28 166.19
 110.00 3 41 59 1968.06 -29.29 19.41 162.78 108.47 4 14 47 1368.1 -26.49 11.35
 110.00 17 31 39 4119.64 14.79 157.62 157.96 58.82 18 40 19 3519.6 10.55 151.08

DIFFERENTIAL CORRECTIONS

TDE 1.0627 TRA-1.4333 TC3-3.1228 BAU .7786
 RDE .0652 RRA .0325 RC3 -.0392 FAU .09976
 FDE 1.6568 FRA -.7333 FC3-4.6313 BSP 11166
 BDE 1.0647 BRA 1.4337 BC3 3.1231 FSP -1338

MID-COURSE EXECUTION ACCURACY

SGT 3602.3 SGR 102.6 SG3 403.4
 RRT .3490 RRF .5894 RTF .9386
 SGB 3603.7 R23 .2791 R13 .9387
 SG1 3602.5 SG2 96.2 TMA .57

ORBIT DETERMINATION ACCURACY

ST 1526.0 SR 87.5 SS 806.0
 CRT .8573 CRS -.9590 CST -.9677
 LSA 1718.1 MSA 185.3 SSA 3.4
 EL1 1527.9 EL2 45.0 ALF 2.82

LAUNCH DATE DEC 11 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -.00 LOL 78.74 VL 27.661 GAL -5.53 AZL 85.92 MCA 191.46 SMA 127.99 ECC .17838 INC 4.0838 V1 30.247
 RP 108.76 LAP -.81 LOP 270.17 VP 37.464 GAP 5.58 AZP 94.00 TAL 207.17 TAP 38.63 RCA 105.16 APO 150.82 V2 34.842
 RC 125.075 GL 27.80 GP -6.16 ZAL 125.91 ZAP 144.54 ETS 349.02 ZAE 134.39 ETE 187.62 ZAC 44.43 ETC 150.14 CLP-145.01

PLANETOCENTRIC CONIC

C3 17.677 VHL 4.204 DLA 8.49 RAL 302.74 RAD 6567.7 VEL 11.792 PTH 2.09 VHP 4.283 DPA -27.48 RAP 309.60 ECC 1.2909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 38 2451.65 -24.53 57.08 164.53 104.62 1 51 29 1851.6 -22.28 49.13
 90.00 15 16 57 4563.05 11.48 192.52 160.96 63.93 16 33 0 3963.1 7.88 185.69
 100.00 2 36 5 2176.01 -25.61 36.48 164.20 105.96 3 12 21 1576.0 -23.18 28.53
 100.00 16 34 10 4313.92 12.48 173.69 160.44 62.62 17 46 4 3713.9 8.71 166.92
 110.00 3 53 43 1933.07 -28.51 16.98 163.15 109.71 4 25 56 1333.1 -25.56 9.05
 110.00 17 33 2 4129.63 15.14 158.18 158.91 58.98 18 41 51 3529.6 10.92 151.62

DIFFERENTIAL CORRECTIONS

TDE 1.0250 TRA-1.3945 TC3-3.4115 BAU .8062
 RDE .0557 RRA .0360 RC3 .0369 FAU .09590
 FDE 1.5142 FRA -.6056 FC3-4.6967 BSP 11625
 BDE 1.0265 BRA 1.3950 BC3 3.4117 FSP -1304

MID-COURSE EXECUTION ACCURACY

SGT 3724.5 SGR 95.8 SG3 391.7
 RRT -.2197 RRF -.0171 RTF .9366
 SGB 3725.8 R23 -.1935 R13 -.9366
 SG1 3724.6 SG2 93.5 TMA 179.68

ORBIT DETERMINATION ACCURACY

ST 1513.5 SR 77.3 SS 770.4
 CRT .8315 CRS -.9487 CST -.9637
 LSA 1689.6 MSA 188.5 SSA 4.8
 EL1 1514.9 EL2 42.9 ALF 2.44

LAUNCH DATE DEC 11 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -.00 LOL 78.74 VL 27.613 GAL -5.29 AZL 86.07 MCA 194.63 SMA 127.67 ECC .17871 INC 3.9294 V1 30.247
 RP 108.79 LAP -.99 LOP 273.34 VP 37.421 GAP 5.82 AZP 93.80 TAL 205.78 TAP 40.41 RCA 104.85 APO 150.49 V2 34.834
 RC 127.413 GL 27.20 GP -4.73 ZAL 124.72 ZAP 146.46 ETS 350.65 ZAE 133.92 ETE 185.92 ZAC 45.05 ETC 152.28 CLP-146.76

PLANETOCENTRIC CONIC

C3 16.986 VHL 4.121 DLA 8.29 RAL 304.38 RAD 6567.7 VEL 11.763 PTH 2.08 VHP 4.380 DPA -25.77 RAP 310.79 ECC 1.2795
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 44 2435.94 -24.25 56.01 165.42 105.08 1 59 20 1835.9 -21.95 48.10
 90.00 15 21 52 4560.33 11.39 192.37 162.02 63.90 16 37 53 3960.3 7.79 185.54
 100.00 2 44 5 2160.65 -25.32 35.43 165.09 106.44 3 20 5 1560.6 -22.82 27.52
 100.00 16 39 12 4310.85 12.39 173.51 161.51 62.58 17 51 3 3710.9 8.61 166.75
 110.00 4 1 28 1918.45 -28.17 15.98 164.03 110.22 4 33 27 1318.5 -25.16 8.11
 110.00 17 38 18 4125.81 15.00 157.96 160.00 58.92 18 47 4 3525.8 10.78 151.41

DIFFERENTIAL CORRECTIONS

TDE 1.0193 TRA-1.3604 TC3-3.6669 BAU .8330
 RDE .0563 RRA .0350 RC3 .0894 FAU .09159
 FDE 1.4155 FRA -.4923 FC3-4.6682 BSP 12092
 BDE 1.0209 BRA 1.3608 BC3 3.6680 FSP -1265

MID-COURSE EXECUTION ACCURACY

SGT 3846.6 SGR 118.2 SG3 378.2
 RRT -.4521 RRF -.3157 RTF .9349
 SGB 3848.4 R23 -.1203 R13 -.9349
 SG1 3847.0 SG2 105.4 TMA 179.20

ORBIT DETERMINATION ACCURACY

ST 1531.3 SR 79.7 SS 750.1
 CRT .8382 CRS -.9543 CST -.9613
 LSA 1696.4 MSA 190.7 SSA 6.2
 EL1 1532.8 EL2 43.4 ALF 2.50

LAUNCH DATE DEC 11 1965

FLIGHT TIME 140.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -.00 LOL 78.74 VL 27.566 GAL -5.05 AZL 86.17 MCA 197.80 SMA 127.35 ECC .17913 INC 3.8286 V1 30.247
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.379 GAP 6.06 AZP 93.65 TAL 204.36 TAP 42.16 RCA 104.54 APO 150.16 V2 34.826
 RC 129.747 GL 26.90 GP -3.81 ZAL 123.30 ZAP 148.21 ETS 351.72 ZAE 133.41 ETE 184.79 ZAC 46.04 ETC 153.91 CLP-148.42

PLANETOCENTRIC CONIC

C3 16.429 VHL 4.053 DLA 8.41 RAL 306.05 RAD 6567.7 VEL 11.739 PTH 2.07 VHP 4.483 DPA -24.53 RAP 312.18 ECC 1.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 26 2432.18 -24.18 35.75 166.59 105.19 2 4 59 1832.2 -21.86 47.85
 90.00 15 29 29 4548.78 11.05 191.70 163.21 63.76 16 45 18 3948.8 7.43 184.88
 100.00 2 49 52 2156.69 -25.24 35.16 166.25 106.57 3 25 48 1556.7 -22.73 27.26
 100.00 16 46 45 4299.51 12.03 172.86 162.70 62.43 17 58 25 3699.5 8.24 166.12
 110.00 4 7 24 1914.04 -28.06 15.68 165.20 110.37 4 39 18 1314.0 -25.03 7.82
 110.00 17 45 43 4114.92 14.62 157.35 161.20 58.75 18 54 17 3514.9 10.37 150.82

DIFFERENTIAL CORRECTIONS

TDE 1.0341 TRA-1.3199 TC3-3.8970 BAU .8564
 RDE .0609 RRA .0315 RC3 .1294 FAU .08707
 FDE 1.3448 FRA -.3844 FC3-4.5879 BSP 12447
 BDE 1.0359 BRA 1.3203 BC3 3.8992 FSP -1216

MID-COURSE EXECUTION ACCURACY

SGT 3959.1 SGR 143.0 SG3 364.0
 RRT -.5130 RRF -.4170 RTF .9332
 SGB 3961.6 R23 -.0724 R13 -.9331
 SG1 3959.7 SG2 122.7 TMA 178.94

ORBIT DETERMINATION ACCURACY

ST 1570.3 SR 87.2 SS 740.3
 CRT .8611 CRS -.9665 CST -.9604
 LSA 1727.6 MSA 191.9 SSA 7.6
 EL1 1572.1 EL2 44.3 ALF 2.74

LAUNCH DATE DEC 11 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 417.479

RL 147.30 LAL -.00 LOL 78.74 VL 27.518 GAL -4.79 AZL 86.24 MCA 200.97 SMA 127.03 ECC .17964 INC 3.7578 V1 30.247
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.337 GAP 6.29 ATP 93.51 TAL 202.92 TAP 43.89 RCA 104.21 APO 149.84 V2 34.819
 RC 132.074 GL 26.74 GP -3.17 ZAL 121.71 ZAP 149.84 ETS 352.49 ZAE 132.92 ETE 183.98 ZAC 47.25 ETC 153.23 CLP-149.99

PLANETOCENTRIC CONIC

C3 15.954 VHL 3.994 DLA 8.72 RAL 307.78 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 4.590 DPA -23.53 RAP 313.71 ECC 1.2626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 52 2435.63 -24.25 55.99 167.94 105.09 2 9 27 1835.6 -21.94 48.08
 90.00 15 38 52 4531.94 10.54 190.72 164.52 63.57 16 54 24 3931.9 6.90 183.93
 100.00 2 54 27 2159.60 -25.30 35.36 167.61 106.48 3 30 26 1559.6 -22.80 27.45
 100.00 16 55 58 4283.21 11.51 171.92 164.01 62.22 18 7 21 3683.2 7.71 165.20
 110.00 4 12 22 1915.78 -28.11 15.80 166.57 110.31 4 44 17 1315.8 -25.08 7.93
 110.00 17 54 33 4099.79 14.08 156.51 162.51 58.53 19 2 53 3499.8 9.82 150.01

DIFFERENTIAL CORRECTIONS

TOE 1.0431 TRA-1.2901 TC3-4.1555 BAU .8870
 ROE .0674 RRA .0266 RC3 .1620 FAU .08396
 FDE 1.2628 FRA -.3121 FC3-4.5560 BSP 13154
 BDE 1.0452 BRA 1.2903 BC3 4.1586 FSP -1224

MID-COURSE EXECUTION ACCURACY

SGT 4094.3 SGR 166.1 SG3 353.4
 RRT -.5252 RRF -.4612 RTF .9338
 SGB 4097.7 R23 -.0351 R13 -.9338
 SG1 4095.2 SG2 141.3 TMA 178.78

ORBIT DETERMINATION ACCURACY

ST 1601.3 SR 97.4 SS 721.7
 CRT .8829 CRS -.9763 CST -.9600
 LSA 1748.8 MSA 189.6 SSA 9.1
 EL1 1603.6 EL2 45.7 ALF 3.08

LAUNCH DATE DEC 11 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 423.397

RL 147.30 LAL -.00 LOL 78.74 VL 27.469 GAL -4.53 AZL 86.30 MCA 204.13 SMA 126.70 ECC .18023 INC 3.7047 V1 30.247
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.295 GAP 6.52 ATP 93.38 TAL 201.45 TAP 45.58 RCA 103.87 APO 149.54 V2 34.812
 RC 134.395 GL 26.68 GP -2.71 ZAL 119.97 ZAP 151.36 ETS 353.08 ZAE 132.47 ETE 183.37 ZAC 48.62 ETC 156.36 CLP-151.48

PLANETOCENTRIC CONIC

C3 15.533 VHL 3.941 DLA 9.17 RAL 309.59 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 4.698 DPA -22.67 RAP 315.35 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 30 2444.20 -24.40 56.57 169.47 104.84 2 13 14 1844.2 -22.12 48.64
 90.00 15 49 40 4511.28 9.91 189.53 165.94 63.34 17 4 51 3911.3 6.25 182.76
 100.00 2 58 19 2167.39 -25.45 35.89 169.15 106.23 3 34 27 1567.4 -22.98 27.96
 100.00 17 6 31 4263.33 10.88 170.79 165.43 61.99 18 17 35 3863.3 7.05 164.09
 110.00 4 16 47 1921.87 -28.25 16.22 168.12 110.10 4 48 49 1321.9 -25.25 8.33
 110.00 18 4 33 4081.61 13.43 155.50 163.93 58.27 19 12 35 3481.6 9.14 149.03

DIFFERENTIAL CORRECTIONS

TOE 1.1060 TRA-1.2080 TC3-4.2925 BAU .8922
 ROE .0744 RRA .0205 RC3 .1895 FAU .07696
 FDE 1.2709 FRA -.1603 FC3-4.2897 BSP 12746
 BDE 1.1085 BRA 1.2082 BC3 4.2966 FSP -1060

MID-COURSE EXECUTION ACCURACY

SGT 4147.0 SGR 186.9 SG3 333.5
 RRT -.4969 RRF -.4330 RTF .9264
 SGB 4151.2 R23 -.0324 R13 -.9264
 SG1 4148.1 SG2 162.1 TMA 178.72

ORBIT DETERMINATION ACCURACY

ST 1697.2 SR 108.6 SS 751.6
 CRT .9147 CRS -.9880 CST -.9606
 LSA 1849.0 MSA 195.9 SSA 9.8
 EL1 1700.1 EL2 43.8 ALF 3.35

LAUNCH DATE DEC 11 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 429.297

RL 147.30 LAL -.00 LOL 78.74 VL 27.421 GAL -4.26 AZL 86.34 MCA 207.30 SMA 126.38 ECC .18094 INC 3.6634 V1 30.247
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.254 GAP 6.75 ATP 93.26 TAL 199.95 TAP 47.25 RCA 103.52 APO 149.25 V2 34.806
 RC 136.709 GL 26.66 GP -2.35 ZAL 118.12 ZAP 152.81 ETS 353.55 ZAE 132.05 ETE 182.89 ZAC 50.12 ETC 157.35 CLP-152.90

PLANETOCENTRIC CONIC

C3 15.162 VHL 3.894 DLA 9.72 RAL 311.47 RAD 6567.6 VEL 11.685 PTH 2.06 VHP 4.809 DPA -21.88 RAP 317.07 ECC 1.2495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 39 2456.54 -24.61 57.41 171.15 104.47 2 16 35 1856.5 -22.38 49.45
 90.00 16 1 33 4488.07 9.20 188.19 167.49 63.10 17 16 21 3888.1 5.52 181.45
 100.00 3 1 46 2178.76 -25.66 36.67 170.84 105.88 3 38 5 1578.8 -23.24 28.71
 100.00 17 18 6 4241.08 10.17 169.52 166.98 61.74 18 28 48 3641.1 6.31 162.86
 110.00 4 20 54 1931.15 -28.46 16.85 169.83 109.78 4 53 5 1331.2 -25.50 8.33
 110.00 18 15 28 4061.46 12.71 154.39 165.47 58.00 19 23 10 3461.5 8.39 147.95

DIFFERENTIAL CORRECTIONS

TOE 1.1329 TRA-1.1603 TC3-4.5272 BAU .9187
 ROE .0821 RRA .0137 RC3 .2134 FAU .07381
 FDE 1.2149 FRA -.0911 FC3-4.2145 BSP 13307
 BDE 1.1359 BRA 1.1604 BC3 4.5322 FSP -1053

MID-COURSE EXECUTION ACCURACY

SGT 4267.3 SGR 206.4 SG3 323.1
 RRT -.4769 RRF -.4305 RTF .9266
 SGB 4272.2 R23 -.0139 R13 -.9266
 SG1 4268.4 SG2 181.4 TMA 178.68

ORBIT DETERMINATION ACCURACY

ST 1749.3 SR 121.0 SS 744.1
 CRT .9333 CRS -.9927 CST -.9614
 LSA 1895.0 MSA 193.1 SSA 11.1
 EL1 1753.0 EL2 43.4 ALF 3.70

LAUNCH DATE DEC 11 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 435.183

RL 147.30 LAL -.00 LOL 78.74 VL 27.373 GAL -3.97 AZL 86.37 MCA 210.46 SMA 126.06 ECC .18174 INC 3.6300 V1 30.247
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.213 GAP 6.97 ATP 93.13 TAL 198.44 TAP 48.90 RCA 103.15 APO 148.98 V2 34.801
 RC 139.015 GL 26.67 GP -2.08 ZAL 116.14 ZAP 154.18 ETS 353.93 ZAE 131.69 ETE 182.50 ZAC 51.72 ETC 158.23 CLP-154.26

PLANETOCENTRIC CONIC

C3 14.834 VHL 3.852 DLA 10.34 RAL 313.44 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 4.922 DPA -21.13 RAP 318.86 ECC 1.2441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 28 2472.10 -24.87 58.48 172.99 103.99 2 19 40 1872.1 -22.70 50.48
 90.00 16 14 28 4462.73 8.41 186.74 169.18 62.86 17 28 51 3862.7 4.71 180.02
 100.00 3 4 57 2193.20 -25.93 37.66 172.69 105.42 3 41 30 1593.2 -23.56 29.66
 100.00 17 30 40 4216.87 9.38 168.15 168.66 61.49 18 40 57 3616.9 5.50 161.51
 110.00 4 24 51 1943.16 -28.74 17.68 171.70 109.36 4 57 14 1343.2 -25.83 9.71
 110.00 18 27 15 4039.67 11.92 153.19 167.14 57.72 19 34 35 3439.7 7.58 146.79

DIFFERENTIAL CORRECTIONS

TOE 1.1709 TRA-1.0989 TC3-4.7388 BAU .9410
 ROE .0898 RRA .0064 RC3 .2341 FAU .07024
 FDE 1.1755 FRA -.0148 FC3-4.0994 BSP 13711
 BDE 1.1744 BRA 1.0989 BC3 4.7446 FSP -1025

MID-COURSE EXECUTION ACCURACY

SGT 4372.7 SGR 224.6 SG3 311.9
 RRT -.4497 RRF -.4145 RTF .9256
 SGB 4378.5 R23 -.0029 R13 -.9256
 SG1 4373.9 SG2 200.6 TMA 178.67

ORBIT DETERMINATION ACCURACY

ST 1815.1 SR 133.7 SS 744.7
 CRT .9502 CRS -.9952 CST -.9626
 LSA 1957.2 MSA 190.8 SSA 12.3
 EL1 1819.5 EL2 41.6 ALF 4.01

LAUNCH DATE DEC 11 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -0.00 LOL 78.74 VL 27.324 GAL -3.68 AZL 86.40 HCA 213.63 SMA 125.75 ECC .18267 INC 3.6024 V1 30.247
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.173 GAP 7.20 AZP 93.00 TAL 196.90 TAP 50.52 RCA 102.78 APO 148.72 V2 34.797
 RC 141.312 GL 26.69 GP -1.85 ZAL 114.05 ZAP 155.49 ETS 354.25 ZAE 131.36 ETE 182.19 ZAC 53.40 ETC 159.03 CLP-155.55

PLANETOCENTRIC CONIC

C3 14.548 VHL 3.814 DLA 11.03 RAL 315.51 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 5.037 DPA -20.40 RAP 320.71 ECC 1.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 5 2490.49 -25.17 59.74 174.99 103.43 2 22 35 1890.5 -23.07 51.70
 90.00 16 28 20 4435.65 7.57 185.20 171.00 62.63 17 42 15 3835.7 3.84 178.51
 100.00 3 7 57 2210.31 -26.23 38.84 174.69 104.87 3 44 48 1610.3 -23.93 30.79
 100.00 17 44 8 4191.07 8.54 166.70 170.47 61.24 18 53 59 3591.1 4.64 160.08
 110.00 4 28 44 1957.53 -29.06 10.68 173.73 108.85 5 1 22 1357.5 -26.21 10.65
 110.00 18 39 51 4016.62 11.08 151.93 168.95 57.45 19 46 47 3416.6 6.71 145.57

DIFFERENTIAL CORRECTIONS

TDE 1.2151 TRA -1.0287 TC3-4.9390 BAU .9618 SGT 4472.7 SGR 241.8 SG3 300.9 ST 1888.8 SR 146.6 SS 748.7
 RDE .0975 RRA -.0014 RC3 .2521 FAU .06672 RRT -.4196 RRF -.3931 RTF .9245 CRT .9644 CRS -.9955 CST -.9641
 FDE 1.1436 FRA .0598 FC3-3.9703 BSP 14057 SGB 4479.2 R23 .0046 R13 -.9245 LSA 2028.3 MSA 188.3 SSA 13.4
 BDE 1.2190 BRA 1.0287 BC3 4.0454 FSP -.991 SG1 4473.9 SG2 219.4 THA 178.70 EL1 1894.1 EL2 38.7 ALF 4.28

LAUNCH DATE DEC 11 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -0.00 LOL 78.74 VL 27.276 GAL -3.38 AZL 86.42 HCA 216.79 SMA 125.43 ECC .18371 INC 3.5791 V1 30.247
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.134 GAP 7.42 AZP 92.87 TAL 195.33 TAP 52.13 RCA 102.39 APO 148.48 V2 34.793
 RC 143.598 GL 26.71 GP -1.67 ZAL 111.86 ZAP 156.74 ETS 354.53 ZAE 131.07 ETE 181.92 ZAC 55.16 ETC 159.77 CLP-156.79

PLANETOCENTRIC CONIC

C3 14.303 VHL 3.782 DLA 11.77 RAL 317.67 RAD 6567.6 VEL 11.649 PTH 2.04 VHP 5.154 DPA -19.68 RAP 322.62 ECC 1.2354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 33 2511.47 -25.49 61.19 177.15 102.77 2 25 25 1911.5 -23.48 53.10
 90.00 16 43 6 4407.17 6.68 183.59 172.97 62.42 17 56 33 3807.2 2.93 176.91
 100.00 3 10 52 2229.86 -26.57 40.19 176.86 104.23 3 48 2 1629.9 -24.35 32.10
 100.00 17 58 28 4164.01 7.65 165.18 172.44 61.02 19 7 52 3564.0 3.73 158.59
 110.00 4 32 37 1974.04 -29.42 19.83 175.92 108.25 5 5 31 1374.0 -26.64 11.74
 110.00 18 53 12 3992.59 10.20 150.63 170.90 57.20 19 59 45 3392.6 5.80 144.30

DIFFERENTIAL CORRECTIONS

TDE 1.2645 TRA -.9497 TC3-5.1263 BAU .9816 SGT 4567.8 SGR 258.0 SG3 290.4 ST 1969.2 SR 159.6 SS 754.5
 RDE .1052 RRA -.0096 RC3 .2675 FAU .06330 RRT -.3881 RRF -.3687 RTF .9234 CRT .9757 CRS -.9940 CST -.9659
 FDE 1.1163 FRA .1313 FC3-3.8314 BSP 14375 SGB 4575.1 R23 .0102 R13 -.9234 LSA 2106.7 MSA 185.1 SSA 14.4
 BDE 1.2689 BRA .9497 BC3 5.1333 FSP -.957 SG1 4568.9 SG2 237.7 THA 178.74 EL1 1975.4 EL2 34.8 ALF 4.52

LAUNCH DATE DEC 11 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -0.00 LOL 78.74 VL 27.227 GAL -3.07 AZL 86.44 HCA 219.95 SMA 125.12 ECC .18487 INC 3.5590 V1 30.247
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.096 GAP 7.65 AZP 92.73 TAL 193.75 TAP 53.71 RCA 101.99 APO 148.25 V2 34.790
 RC 145.874 GL 26.71 GP -1.52 ZAL 109.56 ZAP 157.94 ETS 354.77 ZAE 130.82 ETE 181.70 ZAC 56.98 ETC 160.44 CLP-157.99

PLANETOCENTRIC CONIC

C3 14.102 VHL 3.755 DLA 12.56 RAL 319.93 RAD 6567.6 VEL 11.640 PTH 2.04 VHP 5.273 DPA -18.95 RAP 324.56 ECC 1.2321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 56 2534.87 -25.83 62.82 179.47 102.02 2 28 11 1934.9 -23.92 54.68
 90.00 16 58 45 4377.52 5.74 181.91 175.09 62.22 18 11 43 3777.5 1.98 175.25
 100.00 3 13 44 2251.69 -26.92 41.72 179.19 103.50 3 51 16 1651.7 -24.80 33.56
 100.00 18 13 38 4135.93 6.72 163.62 174.55 60.80 19 22 34 3535.9 2.78 157.05
 110.00 4 36 33 1992.56 -29.80 21.13 178.28 107.57 5 9 45 1392.6 -27.11 12.98
 110.00 19 7 19 3967.82 9.28 149.30 172.99 56.95 20 13 26 3367.8 4.86 143.00

DIFFERENTIAL CORRECTIONS

TDE 1.3197 TRA -.8605 TC3-5.2961 BAU .9999 SGT 4656.7 SGR 273.3 SG3 280.3 ST 2057.0 SR 172.5 SS 763.0
 RDE .1128 RRA -.0180 RC3 .2801 FAU .05992 RRT -.3555 RRF -.3414 RTF .9220 CRT .9845 CRS -.9907 CST -.9678
 FDE 1.0945 FRA .2021 FC3-3.6786 BSP 14645 SGB 4664.7 R23 .0135 R13 -.9220 LSA 2193.1 MSA 181.8 SSA 15.4
 BDE 1.3245 BRA .8607 BC3 5.3035 FSP -.920 SG1 4657.7 SG2 255.4 THA 178.80 EL1 2064.0 EL2 30.2 ALF 4.72

LAUNCH DATE DEC 11 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

RL 147.30 LAL -0.00 LOL 78.74 VL 27.179 GAL -2.74 AZL 86.46 HCA 223.11 SMA 124.81 ECC .18618 INC 3.5413 V1 30.247
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.058 GAP 7.88 AZP 92.59 TAL 192.15 TAP 55.27 RCA 101.58 APO 148.05 V2 34.787
 RC 148.138 GL 26.68 GP -1.39 ZAL 107.15 ZAP 159.09 ETS 354.98 ZAE 130.60 ETE 181.52 ZAC 58.86 ETC 161.06 CLP-159.13

PLANETOCENTRIC CONIC

C3 13.947 VHL 3.735 DLA 13.38 RAL 322.29 RAD 6567.5 VEL 11.633 PTH 2.04 VHP 5.395 DPA -18.22 RAP 326.55 ECC 1.2295
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 16 2560.57 -26.18 64.62 181.96 101.18 2 30 56 1960.6 -24.38 56.42
 90.00 17 15 15 4346.96 4.77 180.19 177.38 62.05 18 27 42 3747.0 .99 173.55
 100.00 3 16 36 2275.68 -27.29 43.40 181.70 102.69 3 54 31 1675.7 -25.27 35.19
 100.00 18 29 36 4107.08 5.76 162.01 176.83 60.62 19 38 3 3507.1 1.80 155.46
 110.00 4 40 34 2012.96 -30.21 22.58 180.82 106.81 5 14 7 1413.0 -27.62 14.35
 110.00 19 22 7 3942.57 8.34 147.95 175.25 56.73 20 27 50 3342.6 3.90 141.67

DIFFERENTIAL CORRECTIONS

TDE 1.3758 TRA -.7658 TC3-5.4578 BAU 1.0191 SGT 4746.7 SGR 287.9 SG3 270.9 ST 2145.0 SR 185.4 SS 769.1
 RDE .1205 RRA -.0265 RC3 .2901 FAU .05688 RRT -.3241 RRF -.3160 RTF .9214 CRT .9905 CRS -.9862 CST -.9699
 FDE 1.0710 FRA .2655 FC3-3.5304 BSP 14964 SGB 4755.5 R23 .0174 R13 -.9215 LSA 2279.3 MSA 177.5 SSA 16.3
 BDE 1.3810 BRA .7663 BC3 5.4655 FSP -.893 SG1 4747.7 SG2 272.3 THA 178.87 EL1 2152.9 EL2 25.3 ALF 4.89

LAUNCH DATE DEC 11 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 464.414

RL 147.30 LAL -1.00 LOL 78.74 VL 27.131 GAL -2.41 AZL 86.47 HCA 226.28 SMA 124.51 ECC .18762 INC 3.5256 V1 30.247
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.022 GAP 8.10 AZP 92.44 TAL 190.54 TAP 56.82 RCA 101.15 APO 147.87 V2 34.788
 RC 150.390 GL 26.62 GP -1.29 ZAL 104.65 ZAP 160.20 ETS 355.17 ZAE 130.42 ETE 181.36 ZAC 60.79 ETC 161.64 CLP-160.24

PLANETOCENTRIC CONIC

C3 13.842 VHL 3.720 CLA 14.23 RAL 324.75 RAD 6567.5 VEL 11.629 PTH 2.04 VHP 5.521 DPA -17.47 RAP 328.56 ECC 1.2278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 35 2588.49 -26.54 66.59 184.63 100.26 2 33 43 1988.5 -24.85 58.33
 90.00 17 32 34 4315.71 3.77 178.44 179.84 61.91 18 44 30 3719.7 -0.02 171.81
 100.00 3 19 30 2301.73 -27.67 45.25 184.38 101.79 3 57 51 1701.7 -25.76 36.97
 100.00 18 46 20 4077.69 4.78 160.39 179.28 60.46 19 54 18 3477.7 .81 153.85
 110.00 4 44 42 2035.13 -30.64 24.16 183.54 105.95 5 18 37 1435.1 -28.15 15.89
 110.00 19 37 37 3917.06 7.38 146.59 177.67 56.53 20 42 54 3317.1 2.93 140.34

DIFFERENTIAL CORRECTIONS

TOE 1.4365 TRA -1.6619 TC3-5.5982 BAU 1.0374
 RDE .1282 RRA -.0351 RC3 .2973 FAU .05391
 FDE 1.0505 FRA .3268 FC3-3.3717 BSP 15265
 BDE 1.4422 BRA .6628 BC3 5.6061 FSP -865

MID-COURSE EXECUTION ACCURACY

SGT 4832.4 SGR 301.7 SG3 261.8
 RRT -.2924 RRF -.2894 RTF .9209
 SGB 4841.8 R23 .0201 R13 -.9209
 SG1 4833.2 SG2 288.4 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 2238.1 SR 198.2 SS 776.1
 CRT .9944 CRS -.9806 CST -.9719
 LSA 2370.7 MSA 173.1 SSA 17.2
 EL1 2246.8 EL2 20.9 ALF 5.03

LAUNCH DATE DEC 11 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 470.218

RL 147.30 LAL -1.00 LOL 78.74 VL 27.084 GAL -2.06 AZL 86.49 HCA 229.44 SMA 124.21 ECC .18922 INC 3.5115 V1 30.247
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.986 GAP 8.34 AZP 92.29 TAL 188.91 TAP 58.35 RCA 100.71 APO 147.71 V2 34.785
 RC 152.629 GL 26.52 GP -1.19 ZAL 102.06 ZAP 161.27 ETS 355.34 ZAE 130.26 ETE 181.23 ZAC 62.76 ETC 162.17 CLP-161.31

PLANETOCENTRIC CONIC

C3 13.789 VHL 3.713 CLA 15.10 RAL 327.31 RAD 6567.5 VEL 11.626 PTH 2.04 VHP 5.649 DPA -16.70 RAP 330.60 ECC 1.2269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 55 2618.52 -26.88 68.72 187.47 99.24 2 36 33 2018.5 -25.33 60.40
 90.00 17 50 40 4284.01 2.75 176.67 182.47 61.81 19 2 4 3684.0 -1.04 170.04
 100.00 3 22 27 2329.75 -28.04 47.25 187.24 100.80 4 1 17 1729.7 -26.27 38.90
 100.00 19 3 48 4048.02 3.78 158.75 181.90 60.33 20 11 16 3448.0 -2.20 152.22
 110.00 4 48 59 2058.99 -31.07 25.89 186.44 105.02 5 23 18 1459.0 -28.70 17.49
 110.00 19 53 46 3891.54 6.42 145.24 180.26 56.35 20 58 37 3291.5 1.96 139.00

DIFFERENTIAL CORRECTIONS

TOE 1.4998 TRA -.5501 TC3-5.7176 BAU 1.0555
 RDE .1360 RRA -.0435 RC3 .3015 FAU .05112
 FDE 1.0309 FRA .3841 FC3-3.2092 BSP 15573
 BDE 1.5060 BRA .5518 BC3 5.7256 FSP -840

MID-COURSE EXECUTION ACCURACY

SGT 4915.3 SGR 314.7 SG3 253.2
 RRT -.2612 RRF -.2632 RTF .9207
 SGB 4925.3 R23 .0226 R13 -.9208
 SG1 4916.0 SG2 303.8 THA 179.04

ORBIT DETERMINATION ACCURACY

ST 2332.6 SR 211.0 SS 782.0
 CRT .9962 CRS -.9742 CST -.9740
 LSA 2463.4 MSA 168.5 SSA 18.0
 EL1 2342.0 EL2 18.4 ALF 5.15

LAUNCH DATE DEC 11 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 476.008

RL 147.30 LAL -1.00 LOL 78.74 VL 27.036 GAL -1.71 AZL 86.50 HCA 232.60 SMA 123.91 ECC .19099 INC 3.4987 V1 30.247
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.951 GAP 8.57 AZP 92.13 TAL 187.26 TAP 59.86 RCA 100.25 APO 147.58 V2 34.784
 RC 154.855 GL 26.36 GP -1.11 ZAL 99.38 ZAP 162.31 ETS 355.49 ZAE 130.13 ETE 181.11 ZAC 64.78 ETC 162.67 CLP-162.34

PLANETOCENTRIC CONIC

C3 13.795 VHL 3.714 CLA 15.98 RAL 329.97 RAD 6567.5 VEL 11.627 PTH 2.04 VHP 5.781 DPA -15.92 RAP 332.66 ECC 1.2270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 17 2650.59 -27.21 71.01 190.48 98.14 2 39 28 2050.6 -25.81 62.62
 90.00 18 9 31 4252.11 1.72 174.89 185.28 61.73 19 20 23 3652.1 -2.07 168.26
 100.00 3 25 30 2359.62 -28.41 49.39 190.27 99.73 4 4 50 1759.6 -26.77 40.97
 100.00 19 21 58 4018.32 2.78 157.11 184.69 60.22 20 28 57 3418.3 -1.21 150.59
 110.00 4 53 28 2084.42 -31.51 27.74 189.52 104.00 5 28 12 1484.4 -29.26 19.26
 110.00 20 10 30 3866.28 5.47 143.91 183.02 56.20 21 14 57 3266.3 .99 137.68

DIFFERENTIAL CORRECTIONS

TOE 1.5705 TRA -.4258 TC3-5.8015 BAU 1.0714
 RDE .1441 RRA -.0519 RC3 .3027 FAU .04827
 FDE 1.0159 FRA .4426 FC3-3.0296 BSP 15788
 BDE 1.5771 BRA .4290 BC3 5.8094 FSP -809

MID-COURSE EXECUTION ACCURACY

SGT 4990.9 SGR 327.0 SG3 244.8
 RRT -.2289 RRF -.2341 RTF .9202
 SGB 5001.6 R23 .0232 R13 -.9202
 SG1 4991.5 SG2 318.3 THA 179.14

ORBIT DETERMINATION ACCURACY

ST 2434.9 SR 223.8 SS 790.7
 CRT .9962 CRS -.9670 CST -.9760
 LSA 2564.5 MSA 164.4 SSA 18.7
 EL1 2445.1 EL2 19.5 ALF 5.23

LAUNCH DATE DEC 11 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 481.783

RL 147.30 LAL -1.00 LOL 78.74 VL 26.989 GAL -1.34 AZL 86.51 HCA 235.76 SMA 123.62 ECC .19293 INC 3.4869 V1 30.247
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.917 GAP 8.81 AZP 91.96 TAL 185.60 TAP 61.36 RCA 99.77 APO 147.46 V2 34.785
 RC 157.067 GL 26.15 GP -1.04 ZAL 96.62 ZAP 163.31 ETS 355.63 ZAE 130.02 ETE 181.02 ZAC 66.83 ETC 163.14 CLP-163.34

PLANETOCENTRIC CONIC

C3 13.863 VHL 3.723 CLA 16.87 RAL 332.73 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 5.918 DPA -15.11 RAP 334.74 ECC 1.2282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 44 2684.55 -27.52 73.45 193.68 96.96 2 42 28 2084.6 -26.27 65.00
 90.00 18 29 3 4220.33 .70 173.11 188.27 61.69 19 39 23 3620.3 -3.09 166.48
 100.00 3 28 41 2391.22 -28.75 51.68 193.49 98.57 4 8 32 1791.2 -27.26 43.19
 100.00 19 40 46 3988.89 1.78 155.50 187.67 60.16 20 47 15 3388.9 -2.20 148.98
 110.00 4 58 9 2111.30 -31.93 29.72 192.79 102.90 5 33 20 1511.3 -29.83 21.14
 110.00 20 27 47 3841.58 4.53 142.61 185.95 56.08 21 31 49 3241.6 .05 136.40

DIFFERENTIAL CORRECTIONS

TOE 1.6408 TRA -.2952 TC3-5.8617 BAU 1.0878
 RDE .1528 RRA -.0600 RC3 .3008 FAU .04564
 FDE .9984 FRA .4954 FC3-2.8502 BSP 16056
 BDE 1.6479 BRA .3012 BC3 5.8694 FSP -784

MID-COURSE EXECUTION ACCURACY

SGT 5065.0 SGR 338.5 SG3 236.6
 RRT -.1979 RRF -.2068 RTF .9203
 SGB 5076.3 R23 .0243 R13 -.9203
 SG1 5065.4 SG2 331.8 THA 179.24

ORBIT DETERMINATION ACCURACY

ST 2532.3 SR 236.6 SS 795.6
 CRT .9946 CRS -.9595 CST -.9779
 LSA 2660.0 MSA 160.2 SSA 19.4
 EL1 2543.2 EL2 24.5 ALF 5.31

LAUNCH DATE DEC 11 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 487.541

RL 147.30 LAL -.00 LOL 78.74 VL 26.942 GAL -.95 AZL 86.52 MCA 238.92 SMA 123.33 ECC .19505 INC 3.4760 V1 30.247
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.883 GAP 9.06 AZP 91.80 TAL 183.93 TAP 62.85 RCA 99.27 APO 147.38 V2 34.786
 RC 159.265 GL 25.88 GP -.98 ZAL 93.80 ZAP 164.29 ETS 355.74 ZAE 129.94 ETE 180.94 ZAC 68.92 ETC 163.57 CLP-164.32

PLANETOCENTRIC CONIC

C3 14.001 VHL 3.742 DLA 17.76 RAL 335.57 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.059 DPA -14.29 RAP 336.84 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 16 2720.28 -27.79 76.03 197.04 95.69 2 45 36 2120.3 -26.71 67.53
 90.00 18 49 11 4188.94 -.32 171.36 191.44 61.68 19 59 0 3588.9 -4.10 164.73
 100.00 3 32 1 2424.39 -29.06 54.10 196.88 97.33 4 12 26 1824.4 -27.74 45.54
 100.00 20 0 7 3960.06 .80 153.92 190.81 60.12 21 6 7 3360.1 -3.18 147.39
 110.00 5 3 5 2139.47 -32.34 31.82 196.24 101.72 5 38 45 1539.5 -30.39 23.15
 110.00 20 45 33 3817.74 3.63 141.36 189.05 55.99 21 49 10 3217.7 -.86 135.15

DIFFERENTIAL CORRECTIONS

TDE 1.7140 TRA -.1558 TC3-5.8916 BAU 1.1042
 RDE .1615 RRA -.0677 RC3 .2959 FAU .04318
 FCE .9818 FRA .5454 FC3-2.6703 BSP 16325
 BCE 1.7216 BRA .1699 BC3 5.8990 FSP -761

MID-COURSE EXECUTION ACCURACY

SGT 5137.1 SGR 349.3 SG3 229.0
 RRT -.1672 RRF -.1796 RTF .9209
 SGB 5149.0 R23 .0253 R13 -.9209
 SG1 5137.5 SG2 344.4 TMA 179.35

ORBIT DETERMINATION ACCURACY

ST 2628.9 SR 249.5 SS 799.6
 CRT .9918 CR5 -.9519 CST -.9797
 LSA 2754.6 MSA 156.4 SSA 19.9
 EL1 2640.6 EL2 31.8 ALF 5.38

LAUNCH DATE DEC 11 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 493.283

RL 147.30 LAL -.00 LOL 78.74 VL 26.896 GAL -.55 AZL 86.53 MCA 242.08 SMA 123.04 ECC .19758 INC 3.4657 V1 30.247
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.851 GAP 9.31 AZP 91.62 TAL 182.25 TAP 64.33 RCA 98.75 APO 147.32 V2 34.788
 RC 161.449 GL 25.55 GP -.93 ZAL 90.91 ZAP 165.24 ETS 355.84 ZAE 129.87 ETE 180.87 ZAC 71.04 ETC 163.97 CLP-165.26

PLANETOCENTRIC CONIC

C3 14.214 VHL 3.770 DLA 18.63 RAL 338.49 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 6.205 DPA -13.44 RAP 338.95 ECC 1.2339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 56 2757.60 -28.01 78.74 200.58 94.35 2 48 53 2157.6 -27.11 78.18
 90.00 19 9 52 4158.28 -1.31 169.65 194.78 61.71 20 19 10 3558.3 -5.08 163.00
 100.00 3 35 32 2458.97 -29.33 56.63 200.44 96.03 4 16 31 1859.0 -28.19 48.01
 100.00 20 19 57 3932.14 -.15 152.38 194.14 60.11 21 25 29 3332.1 -4.12 145.85
 110.00 5 8 17 2168.79 -32.73 34.02 199.86 100.47 5 44 26 1568.8 -30.94 25.26
 110.00 21 3 41 3795.08 2.76 140.18 192.32 55.92 22 6 56 3195.1 -1.73 133.97

DIFFERENTIAL CORRECTIONS

TDE 1.7899 TRA -.0043 TC3-5.8828 BAU 1.1193
 RDE .1710 RRA -.0750 RC3 .2880 FAU .04077
 FDE .9657 FRA .5966 FC3-2.4829 BSP 16578
 BDE 1.7980 BRA .0751 BC3 5.8899 FSP -740

MID-COURSE EXECUTION ACCURACY

SGT 5203.4 SGR 359.4 SG3 221.5
 RRT -.1366 RRF -.1522 RTF .9212
 SGB 5215.8 R23 .0260 R13 -.9212
 SG1 5203.7 SG2 356.0 TMA 179.46

ORBIT DETERMINATION ACCURACY

ST 2723.3 SR 262.5 SS 802.2
 CRT .9879 CR5 -.9438 CST -.9812
 LSA 2846.9 MSA 153.6 SSA 20.3
 EL1 2735.6 EL2 40.5 ALF 5.44

LAUNCH DATE DEC 11 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 499.007

RL 147.30 LAL -.00 LOL 78.74 VL 26.849 GAL -.14 AZL 86.54 MCA 245.25 SMA 122.76 ECC .19992 INC 3.4561 V1 30.247
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.820 GAP 9.57 AZP 91.45 TAL 180.56 TAP 65.80 RCA 98.21 APO 147.30 V2 34.791
 RC 163.619 GL 25.14 GP -.88 ZAL 87.98 ZAP 166.16 ETS 355.92 ZAE 129.82 ETE 180.81 ZAC 73.18 ETC 164.54 CLP-166.19

PLANETOCENTRIC CONIC

C3 14.511 VHL 3.809 DLA 19.47 RAL 341.49 RAD 6567.6 VEL 11.657 PTH 2.05 VHP 6.357 DPA -12.58 RAP 341.06 ECC 1.2388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 45 2796.32 -28.18 81.56 204.27 92.94 2 52 21 2196.3 -27.47 72.96
 90.00 19 30 57 4128.71 -2.26 168.00 198.30 61.77 20 39 46 3528.7 -6.02 161.34
 100.00 3 39 16 2494.75 -29.56 59.27 204.16 94.66 4 20 51 1894.7 -28.60 50.59
 100.00 20 40 7 3905.51 -1.05 150.92 197.62 60.12 21 45 13 3305.5 -5.02 144.38
 110.00 5 13 47 2199.06 -33.08 36.31 203.66 99.16 5 50 26 1599.1 -31.46 27.46
 110.00 21 22 6 3773.96 1.96 139.07 195.75 55.87 22 25 0 3174.0 -2.54 132.87

DIFFERENTIAL CORRECTIONS

TDE 1.8682 TRA .1528 TC3-5.8372 BAU 1.1337
 RDE .1812 RRA -.0817 RC3 .2772 FAU .03844
 FDE .9496 FRA .6376 FC3-2.2935 BSP 16857
 BDE 1.8769 BRA .1733 BC3 5.8438 FSP -724

MID-COURSE EXECUTION ACCURACY

SGT 5266.1 SGR 368.7 SG3 213.9
 RRT -.1056 RRF -.1251 RTF .9230
 SGB 5279.0 R23 .0253 R13 -.9230
 SG1 5266.3 SG2 366.6 TMA 179.57

ORBIT DETERMINATION ACCURACY

ST 2814.0 SR 275.4 SS 802.7
 CRT .9834 CR5 -.9367 CST -.9830
 LSA 2935.3 MSA 150.1 SSA 20.6
 EL1 2827.0 EL2 49.8 ALF 5.50

LAUNCH DATE DEC 11 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 504.711

RL 147.30 LAL -.00 LOL 78.74 VL 26.804 GAL .29 AZL 86.55 MCA 248.41 SMA 122.48 ECC .20270 INC 3.4469 V1 30.247
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.790 GAP 9.84 AZP 91.27 TAL 178.86 TAP 67.26 RCA 97.65 APO 147.30 V2 34.794
 RC 165.775 GL 24.68 GP -.84 ZAL 85.01 ZAP 167.07 ETS 355.98 ZAE 129.79 ETE 180.77 ZAC 75.35 ETC 164.68 CLP-167.09

PLANETOCENTRIC CONIC

C3 14.900 VHL 3.860 DLA 20.29 RAL 344.55 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 6.515 DPA -11.70 RAP 343.19 ECC 1.2452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 46 2836.21 -28.28 84.47 208.10 91.49 2 56 2 2236.2 -27.78 75.84
 90.00 19 52 21 4100.60 -3.17 166.43 201.97 61.85 21 0 42 3500.6 -6.91 159.75
 100.00 3 43 16 2531.50 -29.73 61.98 208.03 93.24 4 25 27 1931.5 -28.97 53.26
 100.00 21 0 33 3880.54 -1.89 149.55 201.27 60.16 22 5 13 3280.5 -5.85 143.00
 110.00 5 19 36 2230.09 -33.39 38.68 207.62 97.79 5 56 46 1630.1 -31.95 29.74
 110.00 21 40 41 3754.72 1.22 138.07 199.32 55.84 22 43 16 3154.7 -3.27 131.86

DIFFERENTIAL CORRECTIONS

TDE 1.9534 TRA .3313 TC3-5.7441 BAU 1.1454
 RDE .1923 RRA -.0878 RC3 .2639 FAU .03603
 FDE .9415 FRA .6956 FC3-2.0935 BSP 16933
 BDE 1.9628 BRA .3427 BC3 5.7502 FSP -686

MID-COURSE EXECUTION ACCURACY

SGT 5324.2 SGR 377.1 SG3 207.7
 RRT -.0740 RRF -.0919 RTF .9218
 SGB 5337.5 R23 .0233 R13 -.9218
 SG1 5324.2 SG2 376.1 TMA 179.70

ORBIT DETERMINATION ACCURACY

ST 2906.7 SR 288.5 SS 808.8
 CRT .9780 CR5 -.9283 CST -.9842
 LSA 3027.1 MSA 150.5 SSA 20.7
 EL1 2920.4 EL2 59.9 ALF 5.55

LAUNCH DATE DEC 11 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 510.394

RL 147.30 LAL -0.00 LOL 78.74 VL 26.758 GAL -1.74 AZL 86.56 HCA 251.57 SMA 122.20 ECC .20572 INC 3.4382 V1 30.247
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.761 GAP 10.11 A7P 91.09 TAL 177.15 TAP 68.72 RCA 97.06 APO 147.34 V2 34.798
 RC 167.915 GL 24.14 GP -0.80 ZAL 82.03 ZAP 167.95 ETS 356.02 ZAE 129.77 ETE 180.73 ZAC 77.55 ETC 165.00 CLP-167.98

PLANETOCENTRIC CONIC

C3 15.392 VML 3.923 DLA 21.06 RAL 347.66 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 6.681 DPA -10.80 RAP 345.33 ECC 1.2533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 1 2876.97 -28.32 87.45 212.07 89.99 2 59 58 2277.0 -28.02 78.80
 90.00 20 13 54 4074.38 -4.01 164.96 205.80 61.94 21 21 48 3474.4 -7.73 158.26
 100.00 3 47 33 2568.93 -29.84 64.76 212.04 91.78 4 30 22 1968.9 -29.28 56.00
 100.00 21 21 3 3857.66 -2.67 148.30 205.06 60.22 22 25 21 3257.7 -6.61 141.73
 110.00 5 25 46 2261.64 -33.65 41.10 211.72 96.38 6 3 28 1661.6 -32.41 32.09
 110.00 21 59 19 3737.72 .57 137.18 203.03 55.82 23 1 37 3137.7 -3.92 130.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0318 TRA .5109 TC3-5.6253 BAU 1.1586
 ROE .2043 RRA -.0930 RC3 .2483 FAU .03384
 FOE .9246 FRA .7381 FC3-1.9036 BSP 17198
 BOE 2.0420 BRA .5193 BC3 5.6308 FSP -672

SGT 5378.3 SGR 384.9 SG3 200.6
 RRT -.0441 RRF -.0631 RTF .9230
 SGB 5392.1 R23 .0223 R13 -.9230
 SG1 5378.3 SG2 384.5 THA 179.82

ST 2979.9 SR 301.5 SS 805.1
 CRT .9725 CRS -.9211 CST -.9854
 LSA 3097.8 MSA 149.7 SSA 20.7
 EL1 2994.3 EL2 69.8 ALF 5.62

LAUNCH DATE DEC 11 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 516.055

RL 147.30 LAL -0.00 LOL 78.74 VL 26.713 GAL 1.20 AZL 86.57 HCA 254.74 SMA 121.93 ECC .20902 INC 3.4297 V1 30.247
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.732 GAP 10.40 A7P 90.90 TAL 175.44 TAP 70.17 RCA 96.45 APO 147.42 V2 34.803
 RC 170.040 GL 23.55 GP -.76 ZAL 79.04 ZAP 168.82 ETS 356.03 ZAE 129.76 ETE 180.70 ZAC 79.76 ETC 165.22 CLP-168.85

PLANETOCENTRIC CONIC

C3 15.996 VML 4.000 DLA 21.78 RAL 350.80 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 6.854 DPA -9.89 RAP 347.47 ECC 1.2633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 33 2918.33 -28.28 90.48 216.15 88.48 3 4 11 2318.3 -28.19 81.81
 90.00 20 35 26 4050.46 -4.77 163.62 209.75 62.05 21 42 57 3450.5 -8.47 156.90
 100.00 3 52 10 2606.79 -29.89 67.58 216.17 90.30 4 35 37 2006.8 -29.53 58.79
 100.00 21 41 30 3837.24 -3.36 147.17 208.97 60.28 22 45 27 3237.2 -7.29 140.59
 110.00 5 32 18 2293.49 -33.87 43.57 215.96 94.94 6 10 32 1693.5 -32.81 34.49
 110.00 22 17 51 3723.30 .02 136.43 206.87 55.82 23 19 54 3123.3 -4.47 130.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1124 TRA .7031 TC3-5.4693 BAU 1.1707
 ROE .2172 RRA -.0974 RC3 .2308 FAU .03181
 FOE .9091 FRA .7809 FC3-1.7214 BSP 17387
 BOE 2.1236 BRA .7096 BC3 5.4742 FSP -650

SGT 5429.1 SGR 391.8 SG3 194.0
 RRT -.0137 RRF -.0342 RTF .9245
 SGB 5443.2 R23 .0214 R13 -.9245
 SG1 5429.1 SG2 391.8 THA 179.94

ST 3046.4 SR 314.5 SS 800.7
 CRT .9668 CRS -.9142 CST -.9866
 LSA 3161.9 MSA 149.9 SSA 20.4
 EL1 3061.6 EL2 79.9 ALF 5.70

LAUNCH DATE DEC 11 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 521.690

RL 147.30 LAL -0.00 LOL 78.74 VL 26.668 GAL 1.69 AZL 86.58 HCA 257.90 SMA 121.67 ECC .21261 INC 3.4214 V1 30.247
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.705 GAP 10.71 A7P 90.72 TAL 175.72 TAP 71.62 RCA 95.80 APO 147.54 V2 34.808
 RC 172.148 GL 22.89 GP -.73 ZAL 76.06 ZAP 169.68 ETS 356.01 ZAE 129.76 ETE 180.68 ZAC 81.99 ETC 165.56 CLP-169.70

PLANETOCENTRIC CONIC

C3 16.728 VML 4.090 DLA 22.45 RAL 353.96 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 7.036 DPA -8.96 RAP 349.61 ECC 1.2753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 24 2959.95 -28.17 93.51 220.33 86.96 3 8 44 2360.0 -28.29 84.85
 90.00 20 56 48 4029.28 -5.45 162.43 213.83 62.17 22 3 57 3429.3 -9.13 155.69
 100.00 3 57 10 2644.75 -29.87 70.40 220.40 88.81 4 41 14 2044.8 -29.72 61.60
 100.00 22 1 43 3819.71 -3.95 146.21 213.00 60.35 23 5 23 3219.7 -7.87 139.61
 110.00 5 39 14 2325.43 -34.03 46.05 220.30 93.48 6 17 59 1725.4 -33.17 36.91
 110.00 22 36 9 3711.80 -.42 135.83 210.80 55.82 23 38 1 3111.8 -4.90 129.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1936 TRA .9072 TC3-5.2807 BAU 1.1819
 ROE .2313 RRA -.1009 RC3 .2120 FAU .02982
 FOE .8947 FRA .8237 FC3-1.5434 BSP 17594
 BOE 2.2058 BRA .9128 BC3 5.2849 FSP -633

SGT 5476.6 SGR 398.0 SG3 187.8
 RRT .0166 RRF -.0043 RTF .9260
 SGB 5491.0 R23 -.0198 R13 .9260
 SG1 5476.6 SG2 397.9 THA .07

ST 3103.2 SR 327.2 SS 795.6
 CRT .9611 CRS -.9076 CST -.9876
 LSA 3216.7 MSA 151.1 SSA 20.1
 EL1 3119.1 EL2 90.0 ALF 5.79

LAUNCH DATE DEC 11 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 527.298

RL 147.30 LAL -0.00 LOL 78.74 VL 26.624 GAL 2.20 AZL 86.59 HCA 261.07 SMA 121.41 ECC .21652 INC 3.4134 V1 30.247
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.679 GAP 11.03 A7P 90.53 TAL 172.01 TAP 73.07 RCA 95.12 APO 147.69 V2 34.814
 RC 174.239 GL 22.18 GP -.70 ZAL 73.10 ZAP 170.52 ETS 355.95 ZAE 129.77 ETE 180.67 ZAC 84.23 ETC 165.80 CLP-170.54

PLANETOCENTRIC CONIC

C3 17.602 VML 4.195 DLA 23.05 RAL 357.13 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 7.228 DPA -8.01 RAP 351.76 ECC 1.2897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 39 3001.48 -27.98 96.54 224.59 85.45 3 13 41 2401.5 -28.32 87.89
 90.00 21 17 47 4011.26 -6.02 161.42 218.00 62.28 22 24 38 3411.3 -9.68 154.65
 100.00 4 2 35 2682.52 -29.78 73.20 224.72 87.34 4 47 17 2082.5 -29.84 64.40
 100.00 22 21 33 3805.46 -4.43 145.42 217.13 60.41 23 24 58 3205.5 -8.34 138.81
 110.00 5 46 33 2357.25 -34.13 48.53 224.75 92.01 6 25 50 1757.3 -33.48 39.35
 110.00 22 54 4 3703.49 -.74 135.40 214.83 55.82 23 55 47 3103.5 -5.22 129.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2764 TRA 1.1265 TC3-5.0528 BAU 1.1899
 ROE .2464 RRA -.1032 RC3 .1923 FAU .02778
 FOE .8811 FRA .8678 FC3-1.3665 BSP 17706
 BOE 2.2897 BRA 1.1313 BC3 5.0564 FSP -611

SGT 5516.8 SGR 403.4 SG3 181.7
 RRT .0477 RRF .0268 RTF .9272
 SGB 5531.5 R23 -.0177 R13 .9272
 SG1 5516.8 SG2 402.9 THA .20

ST 3151.5 SR 339.7 SS 789.5
 CRT .9552 CRS -.9012 CST -.9886
 LSA 3262.9 MSA 153.3 SSA 19.7
 EL1 3168.2 EL2 100.0 ALF 5.88

LAUNCH DATE DEC 11 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 532.875

RL 147.30 LAL -0.00 LOL 78.74 VL 26.581 GAL 2.73 AZL 86.59 HCA 264.23 SMA 121.15 ECC .22078 INC 3.4055 V1 30.247
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.653 GAP 11.36 AZP 90.34 TAL 170.29 TAP 74.52 RCA 94.40 APO 147.89 V2 34.821
 RC 176.312 GL 21.43 GP -.68 ZAL 70.19 ZAP 171.35 ETS 355.84 ZAE 129.79 ETE 180.66 ZAC 86.49 ETC 166.01 CLP-171.37

PLANETOCENTRIC CONIC

C3 18.636 VHL 4.317 DLA 23.59 RAL .27 RAD 6567.8 VEL 11.833 PTH 2.10 VHP 7.431 DPA -7.06 RAP 353.91 ECC 1.3067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 22 3042.52 -27.72 99.51 228.92 83.98 3 19 4 2442.5 -28.27 90.89
 90.00 21 38 12 3996.87 -6.47 160.60 222.24 62.37 22 44 49 3396.9 -10.12 153.83
 100.00 4 8 28 2719.76 -29.64 75.96 229.11 85.89 4 53 48 2119.8 -29.89 67.17
 100.00 22 40 47 3794.85 -4.79 144.84 221.32 60.46 23 44 2 3194.9 -8.69 138.22
 110.00 5 54 16 2388.74 -34.18 50.99 229.28 90.56 6 34 5 1788.7 -33.72 41.77
 110.00 23 11 28 3698.64 -.92 135.14 218.92 55.83 24 13 7 3098.6 -5.40 128.92

DIFFERENTIAL CORRECTIONS

TDE 2.3556 TRA 1.3553 TC3-4.8074 BAU 1.1985
 RDE .2627 RRA -.1043 RC3 .1720 FAU .02592
 FDE .8662 FRA .9094 FC3-1.2041 BSP 17876
 BDE 2.3702 BRA 1.3593 BC3 4.8104 FSP -593

MID-COURSE EXECUTION ACCURACY

SGT 5554.7 SGR 407.9 SG3 175.7
 RRT .0781 RRF .0572 RTF .9288
 SGB 5569.6 R23 -.0158 R13 .9288
 SG1 5554.7 SG2 406.7 THA .33

ORBIT DETERMINATION ACCURACY

ST 3183.8 SR 351.6 SS 780.7
 CRT .9494 CRS -.8952 CST -.9894
 LSA 3293.2 MSA 156.1 SSA 19.1
 EL1 3201.3 EL2 109.8 ALF 5.99

LAUNCH DATE DEC 11 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 538.417

RL 147.30 LAL -0.00 LOL 78.74 VL 26.537 GAL 3.28 AZL 86.60 HCA 267.40 SMA 120.89 ECC .22542 INC 3.3977 V1 30.247
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.629 GAP 11.72 AZP 90.15 TAL 168.58 TAP 75.98 RCA 93.64 APO 148.15 V2 34.828
 RC 176.366 GL 20.64 GP -.66 ZAL 67.32 ZAP 172.17 ETS 355.67 ZAE 129.81 ETE 180.66 ZAC 88.75 ETC 166.20 CLP-172.20

PLANETOCENTRIC CONIC

C3 19.849 VHL 4.455 DLA 24.05 RAL 3.39 RAD 6567.8 VEL 11.884 PTH 2.11 VHP 7.646 DPA -6.09 RAP 356.06 ECC 1.3267
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 35 3082.69 -27.40 102.41 233.29 82.56 3 24 58 2482.7 -28.15 93.82
 90.00 21 57 52 3986.51 -6.80 160.02 226.54 62.45 23 4 18 3386.5 -10.44 153.23
 100.00 4 14 51 2756.19 -29.43 78.65 233.55 84.49 5 0 47 2156.2 -29.88 69.87
 100.00 22 59 17 3788.24 -5.01 144.47 225.56 60.49 24 2 25 3188.2 -8.90 137.85
 110.00 6 2 24 2419.74 -34.17 53.41 233.87 89.12 6 42 43 1819.7 -33.92 44.17
 110.00 23 28 14 3697.46 -.97 135.08 223.05 55.83 24 29 51 3097.5 -5.45 128.86

DIFFERENTIAL CORRECTIONS

TDE 2.4333 TRA 1.5977 TC3-4.5400 BAU 1.2054
 RDE .2800 RRA -.1041 RC3 .1519 FAU .02411
 FDE .8511 FRA .9508 FC3-1.0517 BSP 18035
 BDE 2.4493 BRA 1.6011 BC3 4.5426 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 5587.5 SGR 411.7 SG3 170.0
 RRT .1085 RRF .0877 RTF .9307
 SGB 5602.7 R23 -.0139 R13 .9307
 SG1 5587.7 SG2 409.3 THA .46

ORBIT DETERMINATION ACCURACY

ST 3203.5 SR 362.8 SS 770.4
 CRT .9436 CRS -.8895 CST -.9902
 LSA 3310.9 MSA 159.6 SSA 18.5
 EL1 3221.8 EL2 119.5 ALF 6.11

LAUNCH DATE DEC 11 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 543.920

RL 147.30 LAL -0.00 LOL 78.74 VL 26.495 GAL 3.86 AZL 86.61 HCA 270.57 SMA 120.64 ECC .23048 INC 3.3899 V1 30.247
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.605 GAP 12.09 AZP 89.97 TAL 166.87 TAP 77.44 RCA 92.84 APO 148.45 V2 34.836
 RC 180.400 GL 19.81 GP -.63 ZAL 64.51 ZAP 172.99 ETS 355.42 ZAE 129.83 ETE 180.66 ZAC 91.03 ETC 166.37 CLP-173.01

PLANETOCENTRIC CONIC

C3 21.267 VHL 4.612 DLA 24.45 RAL 6.47 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 7.874 DPA -5.11 RAP 358.21 ECC 1.3500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 24 3121.62 -27.03 105.20 237.70 81.22 3 31 26 2521.6 -27.97 96.66
 90.00 22 16 34 3980.58 -6.99 159.68 230.87 62.49 23 22 55 3380.6 -10.62 152.88
 100.00 4 21 47 2791.54 -29.17 81.24 238.03 83.15 5 8 18 2191.5 -29.81 72.50
 100.00 23 16 53 3785.89 -5.09 144.34 229.84 60.50 24 19 59 3185.9 -8.98 137.71
 110.00 6 10 54 2450.11 -34.12 55.78 238.50 87.72 6 51 45 1850.1 -34.06 46.53
 110.00 23 44 14 3700.08 -.87 135.22 227.22 55.83 24 45 55 3100.1 -5.35 129.00

DIFFERENTIAL CORRECTIONS

TDE 2.5130 TRA 1.8574 TC3-4.2505 BAU 1.2091
 RDE .2985 RRA -.1025 RC3 .1322 FAU .02229
 FDE .8383 FRA .9940 FC3 -.9075 BSP 18090
 BDE 2.5307 BRA 1.8602 BC3 4.2526 FSP -555

MID-COURSE EXECUTION ACCURACY

SGT 5616.4 SGR 414.7 SG3 164.5
 RRT .1397 RRF .1197 RTF .9325
 SGB 5631.7 R23 -.0114 R13 .9325
 SG1 5616.7 SG2 410.6 THA .59

ORBIT DETERMINATION ACCURACY

ST 3215.7 SR 373.3 SS 760.9
 CRT .9378 CRS -.8841 CST -.9910
 LSA 3321.5 MSA 163.5 SSA 17.9
 EL1 3234.8 EL2 128.8 ALF 6.22

LAUNCH DATE DEC 11 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 549.378

RL 147.30 LAL -0.00 LOL 78.74 VL 26.452 GAL 4.48 AZL 86.62 HCA 273.74 SMA 120.40 ECC .23600 INC 3.3821 V1 30.247
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.583 GAP 12.49 AZP 89.78 TAL 165.17 TAP 78.91 RCA 91.99 APO 148.81 V2 34.845
 RC 182.414 GL 18.97 GP -.62 ZAL 61.78 ZAP 173.80 ETS 355.05 ZAE 129.86 ETE 180.66 ZAC 93.31 ETC 166.51 CLP-173.83

PLANETOCENTRIC CONIC

C3 22.917 VHL 4.787 DLA 24.78 RAL 9.48 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 8.117 DPA -4.13 RAP .36 ECC 1.3771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 52 3158.91 -26.61 107.85 242.13 79.95 3 38 31 2558.9 -27.73 99.36
 90.00 22 34 9 3979.45 -7.02 159.62 235.21 62.50 23 40 29 3379.4 -10.65 152.82
 100.00 4 29 15 2825.56 -28.87 83.73 242.53 81.88 5 16 21 2225.6 -29.69 75.02
 100.00 23 33 27 3788.03 -5.01 144.46 234.12 60.49 24 36 35 3188.0 -8.91 137.83
 110.00 6 19 47 2479.76 -34.01 58.09 243.16 86.36 7 1 7 1879.8 -34.14 48.84
 110.00 0 3 20 3706.60 -.62 135.56 231.38 55.82 1 5 7 3106.6 -5.10 129.34

DIFFERENTIAL CORRECTIONS

TDE 2.5872 TRA 2.1283 TC3-3.9577 BAU 1.2130
 RDE .3180 RRA -.0993 RC3 .1133 FAU .02063
 FDE .8238 FRA 1.0356 FC3 -.7792 BSP 18237
 BDE 2.6067 BRA 2.1306 BC3 3.9593 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 5640.7 SGR 416.9 SG3 159.1
 RRT .1701 RRF .1505 RTF .9346
 SGB 5656.1 R23 -.0095 R13 .9346
 SG1 5641.2 SG2 410.8 THA .72

ORBIT DETERMINATION ACCURACY

ST 3210.9 SR 382.7 SS 748.9
 CRT .9320 CRS -.8788 CST -.9917
 LSA 3315.0 MSA 167.8 SSA 17.2
 EL1 3230.7 EL2 137.8 ALF 6.35

LAUNCH DATE DEC 11 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 554.785

RL 147.30 LAL -1.00 LOL 78.74 VL 26.410 GAL 5.12 AZL 86.63 MCA 276.92 SMA 120.16 ECC .24202 INC 3.3743 V1 30.247
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.561 GAP 12.92 AZP 89.59 TAL 163.48 TAP 80.39 RCA 91.08 APO 149.24 V2 34.854
 RC 184.407 GL 18.10 GP -1.60 ZAL 59.12 ZAP 174.60 ETS 354.51 ZAE 129.88 ETE 180.67 ZAC 95.60 ETC 166.62 CLP-174.64

PLANETOCENTRIC CONIC

C3 24.832 VML 4.983 DLA 25.03 RAL 12.42 RAD 6568.0 VEL 12.092 PTH 2.16 VHP 8.377 DPA -3.14 RAP 2.51 ECC 1.4087
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 1 3194.28 -26.17 110.34 246.56 78.77 3 46 16 2594.3 -27.45 101.91
 90.00 22 50 27 3983.38 -6.90 159.84 239.54 62.47 23 56 50 3383.4 -10.53 153.05
 100.00 4 37 18 2858.08 -28.53 86.09 247.05 80.68 5 24 56 2258.1 -29.52 77.42
 100.00 23 48 51 3794.81 -4.79 144.83 238.38 60.46 24 52 6 3194.8 -8.69 138.22
 110.00 6 29 0 2508.63 -33.86 60.33 247.83 85.04 7 10 48 1908.6 -34.18 51.10
 110.00 0 17 35 3717.03 -2.22 136.10 235.54 55.82 1 19 32 3117.0 -4.70 129.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6600 TRA 2.4151 TC3-3.6579 BAU 1.2148 SGT 5660.2 SGR 418.3 SG3 153.9 ST 3195.6 SR 390.8 SS 736.7
 RDE .3385 RRA -.0946 RC3 .0956 FAU .01901 RRT .2007 RRF .1816 RTF .9369 CRT .9262 CRS -.8738 CST -.9923
 FDE .8100 FRA 1.0777 FC3 -.6627 BSP 18364 SGB 5675.6 R23 -.0075 R13 .9369 LSA 3298.1 MSA 172.3 SSA 16.6
 BDE 2.6815 BRA 2.4169 BC3 3.6591 FSP -524 SG1 5660.8 SG2 409.7 THA .85 EL1 3216.0 EL2 146.4 ALF 6.48

LAUNCH DATE DEC 11 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 560.134

RL 147.30 LAL -1.00 LOL 78.74 VL 26.369 GAL 5.80 AZL 86.63 MCA 280.09 SMA 119.92 ECC .24860 INC 3.3663 V1 30.247
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.541 GAP 13.38 AZP 89.41 TAL 161.80 TAP 81.89 RCA 90.11 APO 149.73 V2 34.863
 RC 186.379 GL 17.23 GP -.58 ZAL 56.56 ZAP 175.41 ETS 353.71 ZAE 129.90 ETE 180.68 ZAC 97.88 ETC 166.71 CLP-175.45

PLANETOCENTRIC CONIC

C3 27.052 VML 5.201 DLA 25.23 RAL 15.28 RAD 6568.1 VEL 12.183 PTH 2.19 VHP 8.656 DPA -2.15 RAP 4.66 ECC 1.4452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 55 3227.46 -25.71 112.66 251.00 77.70 3 54 42 2627.5 -27.15 104.29
 90.00 23 5 20 3992.57 -6.61 160.36 243.83 62.40 24 11 53 3392.6 -10.25 153.58
 100.00 4 45 54 2888.98 -28.17 88.31 251.56 79.56 5 34 3 2289.0 -29.32 79.70
 100.00 0 6 58 3806.27 -4.40 145.47 242.62 60.40 1 10 24 3206.3 -8.31 138.86
 110.00 6 38 30 2536.71 -33.68 62.50 252.50 83.77 7 20 46 1936.7 -34.17 53.29
 110.00 0 30 52 3731.32 .33 136.85 239.68 55.82 1 33 3 3131.3 -4.16 130.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7317 TRA 2.7191 TC3-3.3569 BAU 1.2144 SGT 5675.6 SGR 418.8 SG3 148.9 ST 3170.6 SR 397.7 SS 724.5
 RDE .3598 RRA -.0881 RC3 .0792 FAU .01746 RRT .2313 RRF .2127 RTF .9394 CRT .9204 CRS -.8688 CST -.9930
 FDE .7987 FRA 1.1208 FC3 -.5587 BSP 18475 SGB 5691.1 R23 -.0058 R13 .9394 LSA 3271.8 MSA 176.8 SSA 15.9
 BDE 2.7353 BRA 2.7205 BC3 3.3579 FSP -509 SG1 5676.4 SG2 407.4 THA .98 EL1 3191.8 EL2 154.5 ALF 6.60

LAUNCH DATE DEC 11 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 565.415

RL 147.30 LAL -1.00 LOL 78.74 VL 26.329 GAL 6.53 AZL 86.64 MCA 283.27 SMA 119.69 ECC .25580 INC 3.3582 V1 30.247
 RP 108.67 LAP -3.27 LOP 360.03 VP 36.521 GAP 13.87 AZP 89.23 TAL 160.14 TAP 83.41 RCA 89.07 APO 150.31 V2 34.873
 RC 188.330 GL 16.35 GP -.57 ZAL 54.09 ZAP 176.22 ETS 352.49 ZAE 129.92 ETE 180.70 ZAC 100.17 ETC 166.77 CLP-176.26

PLANETOCENTRIC CONIC

C3 29.625 VML 5.443 DLA 25.35 RAL 18.04 RAD 6568.2 VEL 12.288 PTH 2.21 VHP 8.957 DPA -1.16 RAP 6.80 ECC 1.4876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 32 3258.31 -25.24 114.80 255.43 76.72 4 3 50 2658.3 -26.82 106.49
 90.00 23 18 45 4007.06 -6.15 161.18 248.07 62.30 24 25 32 3407.1 -9.81 154.41
 100.00 4 55 1 2918.23 -27.79 90.40 256.06 78.52 5 43 39 3218.2 -29.09 81.84
 100.00 0 19 52 3822.37 -3.86 146.35 246.81 60.34 1 23 35 3222.4 -7.78 139.76
 110.00 6 48 14 2564.00 -33.46 64.60 257.15 82.54 7 30 58 1964.0 -34.13 55.42
 110.00 0 43 9 3749.36 1.02 137.79 243.77 55.83 1 45 38 3149.4 -3.47 131.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8070 TRA 3.0456 TC3-3.0516 BAU 1.2089 SGT 5687.9 SGR 418.7 SG3 144.2 ST 3142.2 SR 403.2 SS 714.1
 RDE .3821 RRA -.0797 RC3 .0645 FAU .01586 RRT .2627 RRF .2449 RTF .9419 CRT .9145 CRS -.8641 CST -.9936
 FDE .7863 FRA 1.1669 FC3 -.4635 BSP 18474 SGB 5703.3 R23 -.0039 R13 .9419 LSA 3242.4 MSA 181.2 SSA 15.3
 BDE 2.8328 BRA 3.0467 BC3 3.0523 FSP -490 SG1 5689.0 SG2 403.9 THA 1.11 EL1 3163.8 EL2 162.0 ALF 6.71

LAUNCH DATE DEC 11 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 570.617

RL 147.30 LAL -1.00 LOL 78.74 VL 26.288 GAL 7.30 AZL 86.65 MCA 286.44 SMA 119.46 ECC .26370 INC 3.3499 V1 30.247
 RP 108.63 LAP -3.21 LOP 365.02 VP 36.502 GAP 14.40 AZP 89.05 TAL 158.51 TAP 84.95 RCA 87.96 APO 150.97 V2 34.884
 RC 190.259 GL 15.48 GP -.55 ZAL 51.71 ZAP 177.03 ETS 350.49 ZAE 129.92 ETE 180.71 ZAC 102.45 ETC 166.81 CLP-177.08

PLANETOCENTRIC CONIC

C3 32.608 VML 5.710 DLA 25.42 RAL 20.69 RAD 6568.3 VEL 12.409 PTH 2.24 VHP 9.281 DPA -.18 RAP 8.95 ECC 1.5366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 51 3286.78 -24.78 116.76 259.84 75.84 4 13 38 2686.8 -26.49 108.51
 90.00 23 30 37 4026.79 -5.52 162.29 252.24 62.18 24 37 44 3426.8 -9.21 155.55
 100.00 5 4 37 2945.82 -27.40 92.36 260.53 77.56 5 53 42 3245.8 -28.84 83.86
 100.00 0 31 29 3842.99 -3.17 147.49 250.94 60.26 1 35 32 3243.0 -7.10 140.91
 110.00 6 58 10 2590.54 -33.20 66.63 261.78 81.37 7 41 20 1990.5 -34.04 57.49
 110.00 0 54 25 3771.02 1.84 138.92 247.82 55.86 1 57 16 3171.0 -2.65 132.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8768 TRA 3.3871 TC3-2.7595 BAU 1.2032 SGT 5694.1 SGR 417.7 SG3 139.6 ST 3100.8 SR 407.0 SS 702.6
 RDE .4050 RRA -.0895 RC3 .0514 FAU .01442 RRT .2933 RRF .2761 RTF .9447 CRT .9085 CRS -.8595 CST -.9942
 FDE .7747 FRA 1.2124 FC3 -.3828 BSP 18573 SGB 5709.4 R23 -.0025 R13 .9447 LSA 3200.0 MSA 185.4 SSA 14.7
 BDE 2.9052 BRA 3.3878 BC3 2.7600 FSP -476 SG1 5695.4 SG2 399.3 THA 1.24 EL1 3122.9 EL2 168.8 ALF 6.82

LAUNCH DATE DEC 11 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 575.726

RL 147.30 LAL -0.00 LOL 78.74 VL 26.249 GAL 8.12 AZL 86.66 MCA 289.62 SMA 119.24 ECC .27237 INC 3.3413 V1 30.247
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.484 GAP 14.97 AZP 88.88 TAL 156.90 TAP 86.52 RCA 86.76 APO 151.72 V2 34.895
 RC 192.167 GL 14.61 GP -5.54 ZAL 49.44 ZAP 177.84 ETS 346.82 ZAE 129.92 ETE 180.73 ZAC 104.72 ETC 166.81 CLP-177.91

PLANETOCENTRIC CONIC

C3 36.069 VHL 6.006 CLA 25.43 RAL 23.24 RAD 6568.4 VEL 12.547 PTH 2.27 VHP 9.633 OPA .81 RAP 11.08 ECC 1.5936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 48 3312.93 -24.33 118.55 264.23 75.06 4 24 1 2712.9 -26.15 110.35
 90.00 23 40 59 4051.55 -4.74 163.68 256.33 62.05 24 48 31 3451.6 -8.44 156.96
 100.00 5 14 37 2971.83 -27.01 94.20 264.98 76.67 6 4 8 2371.8 -28.57 85.74
 100.00 0 41 48 3867.89 -2.32 148.86 255.00 60.19 1 46 16 3267.9 -6.27 142.30
 110.00 7 8 13 2616.39 -32.92 68.60 266.38 80.24 7 51 49 2016.4 -33.92 59.50
 110.00 1 4 41 3796.10 2.80 140.23 251.81 55.92 2 7 57 3196.1 -1.69 134.02

DIFFERENTIAL CORRECTIONS

TOE 2.9476 TRA 3.7506 TC3-2.4751 BAU 1.1937
 RDE .4285 RRA -.0571 RC3 .0400 FAU .01301
 FDE .7646 FRA 1.2601 FC3 -.3122 BSP 18658
 BDE 2.9786 BRA 3.7510 BC3 2.4754 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 5695.9 SGR 416.0 SG3 135.1
 RRT .3241 RRF .3073 RTF .9477
 SGB 5711.1 R23 -.0013 R13 .9477
 SG1 5697.5 SG2 393.4 THA 1.36

ORBIT DETERMINATION ACCURACY

ST 3054.2 SR 409.2 SS 692.2
 CRT .9023 CRS -.8549 CST -.9948
 LSA 3152.6 MSA 189.2 SSA 14.0
 EL1 3076.6 EL2 175.0 ALF 6.92

LAUNCH DATE DEC 11 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 580.726

RL 147.30 LAL -0.00 LOL 78.74 VL 26.210 GAL 8.99 AZL 86.67 MCA 292.81 SMA 119.02 ECC .28192 INC 3.3323 V1 30.247
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.467 GAP 15.60 AZP 88.71 TAL 155.33 TAP 88.13 RCA 85.47 APO 152.58 V2 34.906
 RC 194.054 GL 13.75 GP -.53 ZAL 47.28 ZAP 178.64 ETS 338.43 ZAE 129.91 ETE 180.75 ZAC 106.98 ETC 166.79 CLP-178.75

PLANETOCENTRIC CONIC

C3 40.094 VHL 6.332 CLA 25.39 RAL 25.67 RAD 6568.5 VEL 12.707 PTH 2.31 VHP 10.016 OPA 1.79 RAP 13.21 ECC 1.6598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 18 3336.92 -23.90 120.17 268.59 74.35 4 34 55 2736.9 -25.82 112.03
 90.00 23 49 53 4081.02 -3.79 165.34 260.34 61.92 24 57 54 3481.0 -7.52 158.64
 100.00 5 24 56 2996.37 -26.61 95.91 269.39 75.85 6 14 53 2396.4 -28.29 87.51
 100.00 0 50 52 3896.80 -1.34 150.45 258.98 60.13 1 53 49 3296.8 -5.31 143.90
 110.00 7 18 20 2641.59 -32.62 70.50 270.92 79.15 8 2 22 2041.6 -33.77 61.45
 110.00 1 13 58 3824.35 3.88 141.71 255.73 56.01 2 17 42 3224.4 -.61 135.50

DIFFERENTIAL CORRECTIONS

TOE 3.0199 TRA 4.1383 TC3-2.2007 BAU 1.1797
 RDE .4526 RRA -.0426 RC3 .0303 FAU .01163
 FDE .7561 FRA 1.3104 FC3 -.2511 BSP 18716
 BDE 3.0536 BRA 4.1386 BC3 2.2009 FSP -448

MID-COURSE EXECUTION ACCURACY

SGT 5693.4 SGR 413.5 SG3 130.8
 RRT .3549 RRF .3387 RTF .9509
 SGB 5708.4 R23 -.0004 R13 .9509
 SG1 5695.3 SG2 386.4 THA 1.48

ORBIT DETERMINATION ACCURACY

ST 3003.4 SR 409.7 SS 683.2
 CRT .8964 CRS -.8506 CST -.9954
 LSA 3101.2 MSA 192.5 SSA 13.5
 EL1 3025.8 EL2 180.3 ALF 7.00

LAUNCH DATE DEC 11 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 585.596

RL 147.30 LAL -0.00 LOL 78.74 VL 26.172 GAL 9.93 AZL 86.68 MCA 295.99 SMA 118.81 ECC .29245 INC 3.3229 V1 30.247
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.451 GAP 16.28 AZP 88.54 TAL 153.79 TAP 89.78 RCA 84.06 APO 153.55 V2 34.918
 RC 195.918 GL 12.90 GP -.52 ZAL 45.23 ZAP 179.35 ETS 308.53 ZAE 129.87 ETE 180.77 ZAC 109.23 ETC 166.74 CLP-179.61

PLANETOCENTRIC CONIC

C3 44.785 VHL 6.692 CLA 25.30 RAL 27.98 RAD 6568.7 VEL 12.890 PTH 2.35 VHP 10.435 OPA 2.75 RAP 15.33 ECC 1.7371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 14 3358.96 -23.49 121.66 272.91 73.72 4 46 13 2759.0 -25.50 113.56
 90.00 0 1 19 4114.78 -2.71 167.23 264.25 61.80 1 9 53 3514.8 -6.46 160.55
 100.00 5 35 30 3019.58 -26.21 97.52 273.75 75.09 6 25 50 2419.6 -28.00 89.18
 100.00 0 58 44 3929.39 -.24 152.23 262.88 60.11 2 4 13 3329.4 -4.21 145.70
 110.00 7 28 27 2666.20 -32.29 72.34 275.40 78.10 8 12 53 2066.2 -33.59 63.35
 110.00 1 22 16 3855.54 5.06 143.34 259.58 56.15 2 26 32 3255.5 .58 137.12

DIFFERENTIAL CORRECTIONS

TOE 3.0992 TRA 4.5564 TC3-1.9544 BAU 1.1702
 RDE .4772 RRA -.0256 RC3 .0218 FAU .01022
 FDE .7505 FRA 1.3652 FC3 -.1975 BSP 18651
 BDE 3.1357 BRA 4.5565 BC3 1.9545 FSP -431

MID-COURSE EXECUTION ACCURACY

SGT 5700.9 SGR 410.3 SG3 126.8
 RRT .3861 RRF .3711 RTF .9531
 SGB 5715.6 R23 .0016 R13 .9531
 SG1 5703.1 SG2 378.4 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 2953.3 SR 408.6 SS 676.7
 CRT .8904 CRS -.8467 CST -.9959
 LSA 3051.0 MSA 195.1 SSA 13.1
 EL1 2975.7 EL2 184.6 ALF 7.05

LAUNCH DATE DEC 11 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 590.310

RL 147.30 LAL -0.00 LOL 78.74 VL 26.134 GAL 10.94 AZL 86.69 MCA 299.18 SMA 118.60 ECC .30409 INC 3.3129 V1 30.247
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.436 GAP 17.04 AZP 88.38 TAL 152.31 TAP 91.49 RCA 82.54 APO 154.67 V2 34.930
 RC 197.761 GL 12.07 GP -.51 ZAL 43.29 ZAP 179.29 ETS 228.29 ZAE 129.81 ETE 180.79 ZAC 111.46 ETC 166.65 CLP 179.51

PLANETOCENTRIC CONIC

C3 50.273 VHL 7.090 CLA 25.16 RAL 30.17 RAD 6568.8 VEL 13.101 PTH 2.39 VHP 10.894 OPA 3.71 RAP 17.44 ECC 1.8274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 29 3379.26 -23.10 123.01 277.17 73.15 4 57 48 2779.3 -25.19 114.97
 90.00 0 7 30 4152.36 -1.50 169.32 268.06 61.72 1 16 43 3552.4 -5.27 162.67
 100.00 5 46 14 3041.55 -25.82 99.04 278.04 74.39 6 36 55 2441.6 -27.71 90.75
 100.00 1 5 27 3965.30 .98 154.20 266.68 60.12 2 11 32 3365.3 -3.00 147.68
 110.00 7 38 31 2690.22 -31.93 74.13 279.81 77.10 8 23 21 2090.2 -33.38 65.19
 110.00 1 29 38 3889.39 6.34 145.13 263.35 56.34 2 34 28 3289.4 1.88 138.89

DIFFERENTIAL CORRECTIONS

TOE 3.1758 TRA 4.9992 TC3-1.6894 BAU 1.1355
 RDE .5021 RRA -.0063 RC3 .0158 FAU .00890
 FDE .7451 FRA 1.4219 FC3 -.1533 BSP 18724
 BDE 3.2152 BRA 4.9992 BC3 1.6895 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5678.6 SGR 406.4 SG3 122.8
 RRT .4172 RRF .4021 RTF .9577
 SGB 5693.1 R23 .0010 R13 .9577
 SG1 5681.1 SG2 369.2 THA 1.72

ORBIT DETERMINATION ACCURACY

ST 2895.5 SR 405.7 SS 670.6
 CRT .8843 CRS -.8428 CST -.9964
 LSA 2993.2 MSA 197.0 SSA 12.3
 EL1 2917.7 EL2 188.0 ALF 7.09

LAUNCH DATE DEC 11 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 594.836

RL 147.30 LAL -0.00 LOL 78.74 VL 26.098 GAL 12.04 AZL 86.70 HCA 302.37 SMA 118.40 ECC .31701 INC 3.3023 V1 30.247
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.421 GAP 17.86 AZP 88.23 TAL 150.89 TAP 93.26 RCA 80.87 APO 155.93 V2 34.942
 RC 199.580 GL 11.26 GP -.50 ZAL 41.46 ZAP 178.52 ETS 201.80 ZAE 129.73 ETE 180.80 ZAC 113.66 ETC 166.53 CLP 178.61

PLANETOCENTRIC CONIC

C3 56.718 VHL 7.531 DLA 24.99 RAL 32.22 RAD 6569.0 VEL 13.345 PTH 2.44 VHP 11.400 DPA 4.64 RAP 19.52 ECC 1.9334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 55 3398.04 -22.72 124.26 281.36 72.63 5 9 33 2798.0 -24.89 116.26
 90.00 0 12 29 4193.27 -1.18 171.61 271.76 61.68 1 22 22 3593.3 -3.96 164.97
 100.00 5 57 1 3062.41 -25.43 100.46 282.26 73.74 6 48 3 2462.4 -27.42 92.22
 100.00 1 11 4 4004.14 2.30 156.33 270.38 60.19 2 17 48 3404.1 -1.69 149.81
 110.00 7 48 29 2713.67 -31.56 75.85 284.13 76.14 8 33 42 2113.7 -33.15 66.99
 110.00 1 36 5 3925.63 7.71 147.05 267.04 56.59 2 41 31 3325.6 3.26 140.78

DIFFERENTIAL CORRECTIONS

TDE 3.2586 TRA 5.4742 TC3-1.4571 BAU 1.1049
 RDE .5273 RRA .0158 RC3 .0107 FAU .00758
 FDE .7418 FRA 1.4831 FC3 -.1158 BSP 18759
 BDE 3.3010 BRA 5.4742 BC3 1.4571 FSP -407

MID-COURSE EXECUTION ACCURACY

SGT 5663.4 SGR 401.7 SG3 119.0
 RRT .4481 RRF .4334 RTF .9613
 SGB 5677.6 R23 .0011 R13 .9613
 SG1 5666.3 SG2 359.0 THA 1.83

ORBIT DETERMINATION ACCURACY

ST 2837.3 SR 401.2 SS 666.6
 CRT .8784 CRS -.8393 CST -.9969
 LSA 2935.3 MSA 198.0 SSA 11.8
 EL1 2859.2 EL2 190.2 ALF 7.11

LAUNCH DATE DEC 11 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 599.133

RL 147.30 LAL -0.00 LOL 78.74 VL 26.062 GAL 13.23 AZL 86.71 HCA 305.56 SMA 118.20 ECC .33138 INC 3.2910 V1 30.247
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.408 GAP 18.78 AZP 88.08 TAL 149.54 TAP 95.10 RCA 79.03 APO 157.37 V2 34.955
 RC 201.376 GL 10.46 GP -.50 ZAL 39.76 ZAP 177.62 ETS 194.01 ZAE 129.61 ETE 180.82 ZAC 115.83 ETC 166.38 CLP 177.68

PLANETOCENTRIC CONIC

C3 64.323 VHL 8.020 DLA 24.77 RAL 34.15 RAD 6569.2 VEL 13.626 PTH 2.49 VHP 11.960 DPA 5.56 RAP 21.59 ECC 2.0586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 24 25 3415.45 -22.36 125.41 285.47 72.16 5 21 20 2815.5 -24.59 117.45
 90.00 0 16 20 4237.04 1.23 174.05 275.34 61.71 1 26 57 3637.0 -2.56 167.42
 100.00 6 7 47 3082.19 -25.05 101.81 286.38 73.13 6 59 9 2482.2 -27.12 93.62
 100.00 1 15 39 4045.54 3.69 158.61 273.98 60.32 2 23 4 3445.5 -2.28 152.09
 110.00 7 58 16 2736.51 -31.18 77.52 288.35 75.22 8 43 52 2136.5 -32.89 68.72
 110.00 1 41 39 3963.98 9.14 149.10 270.64 56.92 2 47 43 3364.0 4.72 142.79

DIFFERENTIAL CORRECTIONS

TDE 3.3480 TRA 5.9867 TC3-1.2397 BAU 1.0661
 RDE .5528 RRA .0403 RC3 .0070 FAU .00625
 FDE .7411 FRA 1.5498 FC3 -.0841 BSP 18778
 BDE 3.3933 BRA 5.9869 BC3 1.2397 FSP -395

MID-COURSE EXECUTION ACCURACY

SGT 5644.5 SGR 396.4 SG3 115.4
 RRT .4789 RRF .4649 RTF .9650
 SGB 5658.4 R23 .0011 R13 .9650
 SG1 5647.7 SG2 347.8 THA 1.93

ORBIT DETERMINATION ACCURACY

ST 2778.7 SR 395.1 SS 665.0
 CRT .8727 CRS -.8361 CST -.9974
 LSA 2877.5 MSA 198.1 SSA 11.2
 EL1 2800.1 EL2 191.4 ALF 7.11

LAUNCH DATE DEC 11 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 603.150

RL 147.30 LAL -0.00 LOL 78.74 VL 26.028 GAL 14.54 AZL 86.72 HCA 308.75 SMA 118.01 ECC .34742 INC 3.2786 V1 30.247
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.395 GAP 19.80 AZP 87.95 TAL 148.28 TAP 97.03 RCA 77.01 APO 159.01 V2 34.968
 RC 203.147 GL 9.69 GP -.49 ZAL 38.17 ZAP 176.66 ETS 190.50 ZAE 129.45 ETE 180.84 ZAC 117.97 ETC 166.20 CLP 176.70

PLANETOCENTRIC CONIC

C3 73.347 VHL 8.564 DLA 24.51 RAL 35.93 RAD 6569.4 VEL 13.953 PTH 2.55 VHP 12.584 DPA 6.46 RAP 23.63 ECC 2.2071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 53 3431.61 -22.02 126.47 289.47 71.74 5 33 4 2831.6 -24.31 118.55
 90.00 0 19 6 4283.21 2.72 176.62 278.81 61.80 1 30 30 3683.2 -1.07 169.99
 100.00 6 18 27 3100.92 -24.67 103.07 290.40 72.56 7 10 7 2500.9 -26.82 94.93
 100.00 1 19 14 4089.13 5.16 164.02 277.47 60.52 2 27 23 3489.1 1.19 154.48
 110.00 8 7 50 2758.66 -30.78 79.13 292.45 74.35 8 53 49 2158.7 -32.62 70.39
 110.00 1 46 19 4004.15 10.62 151.26 274.14 57.32 2 53 3 3404.2 6.24 144.91

DIFFERENTIAL CORRECTIONS

TDE 3.4462 TRA 6.5407 TC3-1.0373 BAU 1.0172
 RDE .5786 RRA .0678 RC3 .0045 FAU .00487
 FDE .7431 FRA 1.6227 FC3 -.0575 BSP 18776
 BDE 3.4945 BRA 6.5411 BC3 1.0373 FSP -383

MID-COURSE EXECUTION ACCURACY

SGT 5621.6 SGR 390.4 SG3 112.0
 RRT .5098 RRF .4964 RTF .9687
 SGB 5635.1 R23 .0009 R13 .9687
 SG1 5625.1 SG2 335.6 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 2720.3 SR 387.4 SS 666.1
 CRT .8674 CRS -.8335 CST -.9978
 LSA 2820.4 MSA 197.1 SSA 10.7
 EL1 2741.1 EL2 191.3 ALF 7.08

LAUNCH DATE DEC 11 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 606.820

RL 147.30 LAL -0.00 LOL 78.74 VL 25.994 GAL 15.97 AZL 86.73 HCA 311.95 SMA 117.83 ECC .36539 INC 3.2651 V1 30.247
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.384 GAP 20.95 AZP 87.82 TAL 147.12 TAP 99.06 RCA 74.78 APO 160.89 V2 34.981
 RC 204.893 GL 8.93 GP -.48 ZAL 36.72 ZAP 175.65 ETS 188.53 ZAE 129.24 ETE 180.86 ZAC 120.05 ETC 165.98 CLP 175.68

PLANETOCENTRIC CONIC

C3 84.125 VHL 9.172 DLA 24.22 RAL 37.57 RAD 6569.6 VEL 14.334 PTH 2.61 VHP 13.281 DPA 7.33 RAP 25.64 ECC 2.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 13 3446.51 -21.70 127.45 293.35 71.35 5 44 39 2846.5 -24.05 119.56
 90.00 0 20 52 4331.36 4.27 179.32 282.15 61.98 1 33 3 3731.4 .49 172.68
 100.00 6 28 56 3118.53 -24.31 104.25 294.29 72.04 7 20 55 2518.5 -26.53 96.16
 100.00 1 21 50 4134.57 6.68 163.54 280.83 60.80 2 30 44 3534.6 2.73 156.97
 110.00 8 17 9 2779.99 -30.38 80.66 296.40 73.52 9 3 29 2180.0 -32.34 71.99
 110.00 1 50 6 4045.88 12.15 153.53 277.54 57.80 2 57 32 3445.9 7.81 147.12

DIFFERENTIAL CORRECTIONS

TDE 3.5585 TRA 7.1457 TC3 -.8487 BAU .9546
 RDE .6048 RRA .0986 RC3 .0030 FAU .00339
 FDE .7491 FRA 1.7041 FC3 -.0349 BSP 18683
 BDE 3.6095 BRA 7.1464 BC3 .8488 FSP -370

MID-COURSE EXECUTION ACCURACY

SGT 5596.8 SGR 383.8 SG3 108.8
 RRT .5409 RRF .5282 RTF .9725
 SGB 5610.0 R23 .0006 R13 .9725
 SG1 5600.7 SG2 322.6 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 2664.6 SR 378.3 SS 670.7
 CRT .8626 CRS -.8316 CST -.9982
 LSA 2766.7 MSA 194.9 SSA 10.2
 EL1 2684.6 EL2 190.0 ALF 7.02

LAUNCH DATE DEC 11 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 610.056

RL 147.30 LAL -.00 LOL 78.74 VL 25.962 GAL 17.56 AZL 86.75 HCA 315.14 SMA 117.66 ECC .38560 INC 3.2502 V1 30.247
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.374 GAP 22.24 AZP 87.69 TAL 146.09 TAP 101.23 RCA 72.29 APO 163.02 V2 34.994
 RC 206.614 GL 8.19 GP -.47 ZAL 35.41 ZAP 174.57 ETS 187.29 ZAE 128.97 ETE 180.88 ZAC 122.08 ETC 165.73 CLP 174.59

PLANETOCENTRIC CONIC

C3 97.089 VHL 9.853 DLA 23.90 RAL 39.06 RAD 6569.9 VEL 14.779 PTH 2.67 VMP 14.066 DPA 8.16 RAP 27.60 ECC 2.5978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 21 3460.08 -21.40 128.33 297.08 71.00 5 56 1 2860.1 -23.80 120.48
 90.00 0 21 37 4381.11 5.85 182.12 285.34 62.25 1 34 38 3781.1 2.09 175.46
 100.00 6 39 12 3134.89 -23.96 105.34 298.02 71.57 7 31 27 2534.9 -26.25 97.30
 100.00 1 23 27 4181.54 8.23 166.16 284.05 61.16 2 33 8 3581.5 4.32 159.56
 110.00 8 26 9 2800.31 -29.98 82.11 300.19 72.75 9 12 49 2200.3 -32.05 73.50
 110.00 1 52 59 4088.89 13.69 155.90 280.81 58.37 3 1 8 3488.9 9.41 149.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.6808 TRA 7.8005 TC3 -.6773 BAU .8791 SGT 5565.6 SGR 376.6 SG3 105.7 ST 2607.3 SR 367.8 SS 677.9
 RDE .6311 RRA .1326 RC3 .0024 FAU .00184 RRT .5713 RRF .5595 RTF .9761 CRT .8582 CRS -.8300 CST -.9985
 FDE .7576 FRA 1.7934 FC3 -.0164 BSP 18670 SGB 5578.3 R23 .0001 R13 .9761 LSA 2712.2 MSA 191.7 SSA 9.6
 BDE 3.7345 BRA 7.8017 BC3 .6773 FSP -359 SGI 5569.7 SG2 308.8 THA 2.22 EL1 2626.4 EL2 187.4 ALF 6.94

LAUNCH DATE DEC 11 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 612.743

RL 147.30 LAL -.00 LOL 78.74 VL 25.931 GAL 19.32 AZL 86.77 HCA 318.34 SMA 117.49 ECC .40842 INC 3.2335 V1 30.247
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.364 GAP 23.71 AZP 87.58 TAL 145.21 TAP 103.55 RCA 69.50 APO 165.48 V2 35.007
 RC 208.309 GL 7.47 GP -.47 ZAL 34.24 ZAP 173.42 ETS 186.44 ZAE 128.63 ETE 180.89 ZAC 124.03 ETC 165.45 CLP 173.43

PLANETOCENTRIC CONIC

C3 112.810 VHL 10.621 DLA 23.53 RAL 40.39 RAD 6570.1 VEL 15.302 PTH 2.74 VMP 14.955 DPA 8.96 RAP 29.50 ECC 2.8566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 11 3472.17 -21.13 129.12 300.63 70.70 6 7 3 2872.2 -23.57 121.29
 90.00 0 21 22 4432.14 7.46 185.00 288.38 62.60 1 35 14 3832.1 3.73 178.31
 100.00 6 49 10 3149.81 -23.63 106.33 301.57 71.14 7 41 40 2549.8 -25.99 98.33
 100.00 1 24 4 4229.72 9.80 168.88 287.13 61.62 2 34 34 3629.7 5.93 162.22
 110.00 8 34 47 2819.38 -29.59 83.45 303.78 72.05 9 21 46 2219.4 -31.75 74.91
 110.00 1 54 56 4132.92 15.25 158.36 283.94 59.03 3 3 49 3532.9 11.04 151.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.8199 TRA 8.5171 TC3 -.5206 BAU .7851 SGT 5530.1 SGR 368.7 SG3 102.7 ST 2551.0 SR 356.1 SS 689.0
 RDE .6578 RRA .1701 RC3 .0026 FAU .00013 RRT .6015 RRF .5905 RTF .9796 CRT .8546 CRS -.8293 CST -.9988
 FDE .7702 FRA 1.8935 FC3 -.0010 BSP 18647 SGB 5542.4 R23 -.0005 R13 .9796 LSA 2659.7 MSA 187.3 SSA 9.1
 BDE 3.8762 BRA 8.5187 BC3 .5206 FSP -349 SGI 5534.6 SG2 294.3 THA 2.30 EL1 2569.2 EL2 183.6 ALF 6.84

LAUNCH DATE DEC 11 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 614.733

RL 147.30 LAL -.00 LOL 78.74 VL 25.903 GAL 21.31 AZL 86.79 HCA 321.55 SMA 117.34 ECC .43429 INC 3.2145 V1 30.247
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.357 GAP 25.38 AZP 87.48 TAL 144.52 TAP 106.07 RCA 66.38 APO 168.29 V2 35.020
 RC 209.976 GL 6.76 GP -.46 ZAL 33.24 ZAP 172.17 ETS 185.82 ZAE 128.19 ETE 180.91 ZAC 125.90 ETC 165.14 CLP 172.19

PLANETOCENTRIC CONIC

C3 132.047 VHL 11.491 DLA 23.13 RAL 41.54 RAD 6570.4 VEL 15.918 PTH 2.81 VMP 15.968 DPA 9.71 RAP 31.33 ECC 3.1732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 41 3482.51 -20.90 129.78 303.97 70.45 6 17 44 2882.5 -23.38 121.99
 90.00 0 20 2 4484.15 9.08 187.97 291.23 63.06 1 34 47 3884.1 5.39 181.23
 100.00 6 58 46 3163.01 -23.34 107.20 304.90 70.77 7 51 30 2563.0 -25.75 99.23
 100.00 1 23 38 4278.88 11.38 171.67 290.02 62.17 2 34 57 3678.9 7.56 164.96
 110.00 8 43 0 2836.91 -29.21 84.68 307.15 71.41 9 30 17 2236.9 -31.47 76.20
 110.00 1 55 53 4177.74 16.81 160.91 286.92 59.79 3 5 31 3577.7 12.67 154.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.9812 TRA 9.3052 TC3 -.3779 BAU .6672 SGT 5490.8 SGR 360.3 SG3 100.0 ST 2496.4 SR 343.3 SS 704.7
 RDE .6850 RRA .2112 RC3 .0033 FAU-.00183 RRT .6314 RRF .6213 RTF .9830 CRT .8519 CRS -.8293 CST -.9991
 FDE .7881 FRA 2.0066 FC3 .0120 BSP 18592 SGB 5502.6 R23 -.0012 R13 .9830 LSA 2610.2 MSA 181.8 SSA 8.5
 BDE 4.0397 BRA 9.3076 BC3 .3779 FSP -340 SGI 5495.5 SG2 279.2 THA 2.38 EL1 2513.5 EL2 178.6 ALF 6.72

LAUNCH DATE DEC 11 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 615.823

RL 147.30 LAL -.00 LOL 78.74 VL 25.876 GAL 23.55 AZL 86.81 HCA 324.75 SMA 117.19 ECC .46373 INC 3.1926 V1 30.247
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.351 GAP 27.30 AZP 87.39 TAL 144.06 TAP 108.82 RCA 62.85 APO 171.54 V2 35.034
 RC 211.617 GL 6.08 GP -.46 ZAL 32.42 ZAP 170.81 ETS 185.36 ZAE 127.64 ETE 180.92 ZAC 127.66 ETC 164.81 CLP 170.82

PLANETOCENTRIC CONIC

C3 155.821 VHL 12.483 DLA 22.68 RAL 42.50 RAD 6570.7 VEL 16.648 PTH 2.89 VMP 17.129 DPA 10.41 RAP 33.06 ECC 3.5644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 46 3490.74 -20.71 130.31 307.07 70.25 6 27 57 2890.7 -23.22 122.54
 90.00 0 17 34 4536.91 10.69 191.01 293.87 63.62 1 33 11 3936.9 7.06 184.21
 100.00 7 7 58 3174.11 -23.09 107.93 307.98 70.47 8 0 52 2574.1 -25.54 99.88
 100.00 1 22 4 4328.77 12.94 174.55 292.71 62.82 2 34 12 3728.8 9.20 167.76
 110.00 8 50 46 2852.51 -28.87 85.76 310.24 70.85 9 38 18 2252.5 -31.21 77.34
 110.00 1 55 45 4223.14 18.34 163.53 289.70 60.64 3 6 8 3623.1 14.29 156.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 4.1721 TRA10.1774 TC3 -.2485 BAU .5177 SGT 5448.5 SGR 351.5 SG3 97.4 ST 2444.3 SR 329.6 SS 726.1
 RDE .7131 RRA .2564 RC3 .0046 FAU-.00417 RRT .6608 RRF .6517 RTF .9861 CRT .8503 CRS -.8305 CST -.9993
 FDE .8125 FRA 2.1357 FC3 .0232 BSP 18449 SGB 5459.8 R23 -.0019 R13 .9861 LSA 2565.1 MSA 175.1 SSA 8.0
 BDE 4.2326 BRA10.1806 BC3 .2485 FSP -329 SGI 5453.5 SG2 263.6 THA 2.45 EL1 2460.4 EL2 172.3 ALF 6.57

LAUNCH DATE DEC 12 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 20 1966

HELIOCENTRIC CONIC

DISTANCE 191.021

RL 147.28 LAL -1.00 LOL 79.76 VL 27.579 GAL -9.42 AZL 86.60 MCA 86.24 SMA 127.41 ECC .22463 INC 3.4015 V1 30.250
 RP 107.61 LAP 3.39 LOP 165.99 VP 37.750 GAP -9.45 ATP 89.78 TAL 217.36 TAP 303.60 RCA 98.79 APO 156.03 V2 35.216
 RC 52.701 GL 16.90 GP 1.12 ZAL 141.11 ZAP 17.74 ETS 355.43 ZAE 149.01 ETE 342.77 ZAC 63.49 ETC 163.58 CLP -17.70

PLANETOCENTRIC CONIC

C3 30.848 VML 5.554 DLA -4.44 RAL 294.23 RAD 6568.2 VEL 12.338 PTH 2.22 VMP 6.649 DPA -14.05 RAP 331.20 ECC 1.5077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 57 2182.78 -18.78 39.48 161.66 111.59 2 46 20 1582.8 -15.69 32.17
 90.00 13 1 51 5102.87 24.65 226.52 164.33 75.60 14 26 54 4502.9 22.43 218.55
 100.00 3 29 13 1927.11 -19.95 20.17 161.16 112.73 4 1 20 1327.1 -16.70 12.89
 100.00 14 25 17 4833.78 25.87 206.37 163.97 74.47 15 45 51 4233.8 23.48 198.38
 110.00 4 32 40 1728.43 -23.07 3.58 159.64 115.95 5 1 29 1128.4 -19.39 356.37
 110.00 15 38 18 4605.23 29.14 187.88 162.83 71.28 16 55 4 4005.2 26.31 179.85

DIFFERENTIAL CORRECTIONS

TDE -.2003 TRA -.3242 TC3 .4201 BAU .1790
 RDE -.3600 RRA .0560 RC3 -.1089 FAU .05062
 FDE .4510 FRA -.5230 FC3-1.4205 BSP 1611
 BDE .4120 BRA .3290 BC3 .4340 FSP -394

MID-COURSE EXECUTION ACCURACY

SGT 610.8 SGR 394.9 SG3 149.6
 RRT .0036 RRF -.0195 RTF -.6155
 SGB 727.3 R23 -.0157 R13 -.6155
 SG1 610.8 SG2 394.9 TMA .23

ORBIT DETERMINATION ACCURACY

ST 230.3 SR 371.8 SS 284.4
 CRT .8754 CRS .9532 CST .7059
 LSA 502.9 MSA 136.7 SSA 24.8
 EL1 426.5 EL2 97.1 ALF 59.81

LAUNCH DATE DEC 12 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

DISTANCE 197.820

RL 147.28 LAL -1.00 LOL 79.76 VL 27.713 GAL -9.37 AZL 86.61 MCA 89.48 SMA 128.32 ECC .21850 INC 3.3901 V1 30.250
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.840 GAP -8.59 ATP 89.97 TAL 218.79 TAP 308.27 RCA 100.29 APO 156.36 V2 35.208
 RC 54.462 GL 17.17 GP 1.21 ZAL 142.06 ZAP 20.87 ETS 355.79 ZAE 149.38 ETE 343.19 ZAC 63.57 ETC 163.64 CLP -20.83

PLANETOCENTRIC CONIC

C3 30.002 VML 5.477 DLA -4.36 RAL 293.06 RAD 6568.2 VEL 12.303 PTH 2.22 VMP 6.207 DPA -13.93 RAP 331.27 ECC 1.4938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 41 2178.28 -18.67 39.20 160.04 111.68 2 40 59 1578.3 -15.56 31.90
 90.00 12 57 47 5093.42 24.49 225.88 162.62 75.32 14 22 40 4493.4 22.23 217.93
 100.00 3 23 59 1922.49 -19.83 19.88 159.34 112.84 3 56 1 1322.5 -16.57 12.61
 100.00 14 21 10 4824.45 25.69 205.73 162.26 74.17 15 41 34 4224.4 23.28 197.77
 110.00 4 27 32 1723.53 -22.93 3.27 158.03 116.08 4 56 15 1123.5 -19.23 356.08
 110.00 15 34 6 4596.16 28.94 187.26 161.11 70.96 16 50 43 3996.2 26.07 179.25

DIFFERENTIAL CORRECTIONS

TDE -.1993 TRA -.3118 TC3 .4350 BAU .1799
 RDE -.3547 RRA .0531 RC3 -.1095 FAU .05646
 FDE .5110 FRA -.6254 FC3-1.6292 BSP 1620
 BDE .4068 BRA .3163 BC3 .4486 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 614.4 SGR 393.9 SG3 170.7
 RRT .0080 RRF -.0267 RTF -.6158
 SGB 729.8 R23 -.0163 R13 -.6159
 SG1 614.5 SG2 393.8 TMA .50

ORBIT DETERMINATION ACCURACY

ST 230.8 SR 371.4 SS 306.8
 CRT .8823 CRS .9479 CST .7033
 LSA 514.5 MSA 141.6 SSA 24.9
 EL1 426.9 EL2 94.5 ALF 59.61

LAUNCH DATE DEC 12 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 204.595

RL 147.28 LAL -1.00 LOL 79.76 VL 27.830 GAL -9.32 AZL 86.62 MCA 92.72 SMA 129.14 ECC .21322 INC 3.3788 V1 30.250
 RP 107.66 LAP 3.38 LOP 172.48 VP 37.918 GAP -7.78 ATP 90.16 TAL 220.11 TAP 312.83 RCA 101.60 APO 156.67 V2 35.200
 RC 56.291 GL 17.40 GP 1.30 ZAL 142.90 ZAP 24.17 ETS 356.06 ZAE 150.05 ETE 343.50 ZAC 63.48 ETC 163.68 CLP -24.14

PLANETOCENTRIC CONIC

C3 29.290 VML 5.412 DLA -4.30 RAL 292.01 RAD 6568.2 VEL 12.275 PTH 2.21 VMP 5.796 DPA -13.87 RAP 331.18 ECC 1.4820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 0 2174.32 -18.57 38.95 158.60 111.77 2 36 15 1574.3 -15.45 31.66
 90.00 12 54 5 5085.35 24.35 225.33 161.11 75.08 14 18 50 4485.4 22.06 217.40
 100.00 3 19 20 1918.42 -19.72 19.63 158.10 112.93 3 51 18 1318.4 -16.45 12.37
 100.00 14 17 26 4816.48 25.55 205.19 160.75 73.92 15 37 43 4216.5 23.09 197.25
 110.00 4 22 57 1719.24 -22.80 3.01 156.59 116.19 4 51 36 1119.2 -19.09 355.83
 110.00 15 30 18 4588.42 28.77 186.72 159.59 70.68 16 46 47 3988.4 25.86 178.74

DIFFERENTIAL CORRECTIONS

TDE -.1953 TRA -.3010 TC3 .4451 BAU .1794
 RDE -.3493 RRA .0508 RC3 -.1091 FAU .06318
 FDE .5778 FRA -.7432 FC3-1.8674 BSP 1644
 BDE .4002 BRA .3053 BC3 .4583 FSP -535

MID-COURSE EXECUTION ACCURACY

SGT 614.0 SGR 391.9 SG3 194.8
 RRT .0098 RRF -.0341 RTF -.6127
 SGB 728.4 R23 -.0239 R13 -.6129
 SG1 614.0 SG2 391.9 TMA .61

ORBIT DETERMINATION ACCURACY

ST 228.4 SR 370.2 SS 329.8
 CRT .8856 CRS .9425 CST .6957
 LSA 525.1 MSA 146.9 SSA 25.0
 EL1 425.0 EL2 92.4 ALF 59.77

LAUNCH DATE DEC 12 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 211.345

RL 147.28 LAL -1.00 LOL 79.76 VL 27.931 GAL -9.28 AZL 86.63 MCA 95.95 SMA 129.85 ECC .20870 INC 3.3674 V1 30.250
 RP 107.69 LAP 3.35 LOP 175.72 VP 37.984 GAP -7.00 ATP 90.35 TAL 221.32 TAP 317.27 RCA 102.75 APO 156.95 V2 35.191
 RC 58.184 GL 17.60 GP 1.40 ZAL 143.64 ZAP 27.66 ETS 356.26 ZAE 151.03 ETE 343.69 ZAC 63.21 ETC 163.68 CLP -27.63

PLANETOCENTRIC CONIC

C3 28.683 VML 5.356 DLA -4.24 RAL 291.08 RAD 6568.2 VEL 12.250 PTH 2.20 VMP 5.415 DPA -13.85 RAP 330.90 ECC 1.4720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 54 2170.81 -18.48 38.73 157.34 111.84 2 32 4 1570.8 -15.36 31.45
 90.00 12 50 48 5078.38 24.22 224.85 159.79 74.87 14 15 26 4478.4 21.91 216.95
 100.00 3 15 15 1914.82 -19.63 19.41 156.84 113.01 3 47 10 1314.8 -16.34 12.15
 100.00 14 14 8 4809.60 25.41 204.72 159.42 73.71 15 34 18 4209.6 22.94 196.80
 110.00 4 18 56 1715.46 -22.68 2.77 155.34 116.29 4 47 31 1115.5 -18.97 355.61
 110.00 15 26 56 4581.73 28.61 186.26 158.26 70.45 16 43 18 3981.7 25.68 178.31

DIFFERENTIAL CORRECTIONS

TDE -.1911 TRA -.2953 TC3 .4457 BAU .1758
 RDE -.3438 RRA .0492 RC3 -.1074 FAU .07070
 FDE .6550 FRA -.8741 FC3-2.1340 BSP 1607
 BDE .3933 BRA .2994 BC3 .4584 FSP -619

MID-COURSE EXECUTION ACCURACY

SGT 608.3 SGR 389.0 SG3 221.9
 RRT .0149 RRF -.0443 RTF -.6000
 SGB 722.0 R23 -.0291 R13 -.6003
 SG1 608.4 SG2 388.9 TMA .92

ORBIT DETERMINATION ACCURACY

ST 225.9 SR 368.1 SS 354.7
 CRT .8854 CRS .9384 CST .6860
 LSA 537.1 MSA 152.8 SSA 24.9
 EL1 422.1 EL2 91.6 ALF 59.92

LAUNCH DATE DEC 12 1965

FLIGHT TIME 78.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 218.066

RL 147.28 LAL -.00 LOL 79.76 VL 28.018 GAL -9.24 AZL 86.64 HCA 99.19 SMA 130.47 ECC .20482 INC 3.3559 V1 30.250
 RP 107.72 LAP 3.31 LOP 178.96 VP 38.039 GAP -6.26 AZP 90.54 TAL 222.39 TAP 321.58 RCA 103.75 APO 157.20 V2 35.181
 RC 60.133 GL 17.76 GP 1.51 ZAL 144.27 ZAP 31.36 ETS 356.42 ZAE 152.33 ETE 343.76 ZAC 62.73 ETC 163.66 CLP -31.33

PLANETOCENTRIC CONIC

C3 28.157 VML 5.306 DLA -4.19 RAL 290.28 RAD 6568.1 VEL 12.228 PTH 2.20 VHP 5.063 OPA -13.90 RAP 330.41 ECC 1.4634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 20 2167.68 -18.40 38.53 156.24 111.91 2 28 27 1567.7 -15.27 31.26
 90.00 12 47 57 5072.28 24.11 224.44 158.63 74.69 14 12 29 4472.3 21.78 216.55
 100.00 3 11 42 1911.62 -19.54 19.21 155.74 113.08 3 43 34 1311.6 -16.25 11.96
 100.00 14 11 16 4803.57 25.30 204.31 158.26 73.52 15 31 19 4203.6 22.80 196.40
 110.00 4 15 26 1712.09 -22.58 2.56 154.24 116.37 4 43 58 1112.1 -18.86 355.41
 110.00 15 24 1 4575.86 28.48 185.05 157.10 70.24 16 40 17 3975.9 25.52 177.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1848 TRA -.2943 TC3 .4371 BAU .1692 SGT 597.1 SGR 385.1 SG3 252.3 ST 221.7 SR 365.4 SS 381.0
 RDE -.3380 RRA .0484 RC3 -.1046 FAU .07914 RRT .0201 RRF -.0566 RTF -.5769 CRT .8801 CRS .9353 CST .6702
 FDE .7425 FRA -1.0195 FC3 -2.4332 BSP 1539 SGB 710.5 R23 -.0367 R13 -.5775 LSA 549.4 MSA 159.1 SSA 24.7
 BDE .3853 BRA .2983 BC3 .4494 FSP -714 SGI 597.2 SG2 385.0 TMA 1.27 EL1 417.3 EL2 92.2 ALF 60.30

LAUNCH DATE DEC 12 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 224.757

RL 147.28 LAL -.00 LOL 79.76 VL 28.093 GAL -9.20 AZL 86.66 HCA 102.42 SMA 131.01 ECC .20149 INC 3.3442 V1 30.250
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.085 GAP -5.55 AZP 90.72 TAL 223.32 TAP 325.74 RCA 104.61 APO 157.41 V2 35.171
 RC 62.133 GL 17.90 GP 1.64 ZAL 144.81 ZAP 35.28 ETS 356.55 ZAE 153.97 ETE 343.68 ZAC 62.04 ETC 163.61 CLP -35.25

PLANETOCENTRIC CONIC

C3 27.694 VML 5.263 DLA -4.15 RAL 289.60 RAD 6568.1 VEL 12.209 PTH 2.19 VHP 4.741 OPA -14.01 RAP 329.70 ECC 1.4558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 17 2164.87 -18.33 38.36 155.28 111.97 2 25 21 1564.9 -15.19 31.09
 90.00 12 45 32 5066.83 24.02 224.07 157.64 74.53 14 9 59 4466.8 21.66 216.19
 100.00 3 8 40 1908.74 -19.46 19.03 154.79 113.15 3 40 29 1308.7 -16.16 11.79
 100.00 14 8 49 4798.18 25.19 203.94 157.26 73.36 15 28 48 4198.2 22.67 196.05
 110.00 4 12 27 1709.07 -22.49 2.38 153.29 116.45 4 40 56 1109.1 -18.76 355.23
 110.00 15 21 32 4570.62 28.36 185.49 156.09 70.06 16 37 43 3970.6 25.38 177.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1744 TRA -.2972 TC3 .4203 BAU .1600 SGT 580.6 SGR 380.3 SG3 286.6 ST 213.8 SR 361.8 SS 407.3
 RDE -.3380 RRA .0482 RC3 -.1006 FAU .08863 RRT .0213 RRF -.0703 RTF -.5425 CRT .8669 CRS .9322 CST .6426
 FDE .8373 FRA -1.1822 FC3 -2.7706 BSP 1471 SGB 694.1 R23 -.0500 R13 -.5433 LSA 561.0 MSA 165.1 SSA 24.4
 BDE .3751 BRA .3011 BC3 .4322 FSP -827 SGI 580.7 SG2 380.2 TMA 1.40 EL1 409.6 EL2 94.1 ALF 61.21

LAUNCH DATE DEC 12 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 231.417

RL 147.28 LAL -.00 LOL 79.76 VL 28.155 GAL -9.16 AZL 86.67 HCA 105.65 SMA 131.46 ECC .19863 INC 3.3321 V1 30.250
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.121 GAP -4.88 AZP 90.90 TAL 224.11 TAP 329.76 RCA 105.35 APO 157.58 V2 35.160
 RC 64.180 GL 18.02 GP 1.77 ZAL 145.24 ZAP 39.44 ETS 356.66 ZAE 155.94 ETE 343.40 ZAC 61.11 ETC 163.53 CLP -39.40

PLANETOCENTRIC CONIC

C3 27.276 VML 5.223 DLA -4.11 RAL 289.03 RAD 6568.1 VEL 12.192 PTH 2.19 VHP 4.449 OPA -14.18 RAP 328.75 ECC 1.4489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 43 2162.32 -18.27 38.20 154.47 112.02 2 22 45 1562.3 -15.12 30.94
 90.00 12 43 34 5061.81 23.92 223.73 156.78 74.38 14 7 56 4461.8 21.55 215.86
 100.00 3 6 8 1906.14 -19.39 18.87 153.98 113.20 3 37 54 1306.1 -16.09 11.63
 100.00 14 6 50 4793.22 25.10 203.60 156.41 73.21 15 26 43 4193.2 22.56 195.73
 110.00 4 9 57 1706.33 -22.41 2.21 152.48 116.52 4 38 23 1106.3 -18.66 355.07
 110.00 15 19 30 4565.80 28.25 185.16 155.23 69.90 16 35 36 3965.8 25.25 177.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1626 TRA -.3077 TC3 .3900 BAU .1464 SGT 558.9 SGR 374.7 SG3 323.9 ST 205.6 SR 357.6 SS 435.4
 RDE -.3256 RRA .0488 RC3 -.0953 FAU .09892 RRT .0238 RRF -.0881 RTF -.4851 CRT .8439 CRS .9307 CST .6037
 FDE .9445 FRA -1.3557 FC3 -3.1397 BSP 1327 SGB 672.9 R23 -.0672 R13 -.4865 LSA 574.3 MSA 171.4 SSA 24.0
 BDE .3640 BRA .3115 BC3 .4015 FSP -947 SGI 559.0 SG2 374.5 TMA 1.66 EL1 400.6 EL2 98.5 ALF 62.30

LAUNCH DATE DEC 12 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 238.045

RL 147.28 LAL -.00 LOL 79.76 VL 28.206 GAL -9.12 AZL 86.68 HCA 108.88 SMA 131.84 ECC .19617 INC 3.3197 V1 30.250
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.148 GAP -4.24 AZP 91.08 TAL 224.76 TAP 333.64 RCA 105.98 APO 157.70 V2 35.149
 RC 66.288 GL 18.12 GP 1.92 ZAL 145.59 ZAP 43.84 ETS 356.75 ZAE 158.24 ETE 342.87 ZAC 59.94 ETC 163.41 CLP -43.80

PLANETOCENTRIC CONIC

C3 28.891 VML 5.186 DLA -4.07 RAL 288.57 RAD 6568.1 VEL 12.176 PTH 2.19 VHP 4.185 OPA -14.41 RAP 327.55 ECC 1.4426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 36 2159.99 -18.21 38.05 153.79 112.07 2 20 36 1560.0 -15.05 30.80
 90.00 12 42 2 5057.07 23.84 223.41 156.06 74.25 14 6 19 4457.1 21.45 215.56
 100.00 3 4 2 1903.74 -19.33 18.72 153.29 113.26 3 35 46 1303.7 -16.02 11.49
 100.00 14 5 17 4788.55 25.00 203.29 155.68 73.06 15 25 6 4188.5 22.45 195.42
 110.00 4 7 54 1703.80 -22.33 2.05 151.80 116.58 4 36 18 1103.8 -18.58 354.92
 110.00 15 17 55 4561.25 28.14 184.85 154.50 69.74 16 33 56 3961.3 25.12 176.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1472 TRA -.3247 TC3 .3473 BAU .1289 SGT 534.4 SGR 368.3 SG3 364.3 ST 195.5 SR 352.7 SS 464.0
 RDE -.3189 RRA .0502 RC3 -.0886 FAU .11003 RRT .0213 RRF -.1094 RTF -.3995 CRT .8045 CRS .9301 CST .5442
 FDE 1.0603 FRA -1.5401 FC3 -3.5423 BSP 1141 SGB 649.0 R23 -.0932 R13 -.4014 LSA 588.1 MSA 177.3 SSA 23.6
 BDE .3512 BRA .3286 BC3 .3584 FSP -1078 SGI 534.5 SG2 368.2 TMA 1.60 EL1 389.3 EL2 105.2 ALF 63.92

LAUNCH DATE DEC 12 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 244.639

RL 147.28 LAL -.00 LOL 79.76 VL 28.247 GAL -9.07 AZL 86.69 MCA 112.11 SMA 132.14 ECC .19405 INC 3.3069 V1 30.250
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.168 GAP -3.62 A7P 91.25 TAL 225.27 TAP 337.38 RCA 106.50 APO 157.79 V2 35.138
 RC 68.394 GL 18.20 GP 2.08 ZAL 145.85 ZAP 48.48 ETS 356.83 ZAE 160.87 ETE 341.96 ZAC 58.53 ETC 163.25 CLP -48.45

PLANETOCENTRIC CONIC

C3 26.528 VHL 5.150 DLA -4.04 RAL 288.22 RAD 6568.1 VEL 12.162 PTH 2.18 VMP 3.950 DPA -14.70 RAP 326.11 ECC 1.4366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 55 2157.82 -18.15 37.92 153.22 112.11 2 18 53 1557.8 -14.99 30.67
 90.00 12 40 56 5052.48 23.75 223.10 155.45 74.11 14 5 8 4452.5 21.35 215.26
 100.00 3 2 22 1901.52 -19.27 18.58 152.73 113.30 3 34 4 1301.5 -15.95 11.36
 100.00 14 4 10 4784.01 24.91 202.98 155.08 72.93 15 23 54 4184.0 22.34 195.13
 110.00 4 6 17 1701.45 -22.26 1.91 151.24 116.64 4 34 38 1101.5 -18.50 354.79
 110.00 15 16 45 4556.85 28.04 184.55 153.89 69.59 16 32 42 3956.8 25.00 176.70

DIFFERENTIAL CORRECTIONS

TDE -.1270 TRA -.3481 TC3 .2924 BAU .1075
 RDE -.3117 RRA .0523 RC3 -.0803 FAU .12195
 FDE 1.1787 FRA -1.7350 FC3 -3.9799 BSP 932
 BDE .3365 BRA .3520 BC3 .3032 FSP -1227

MID-COURSE EXECUTION ACCURACY

SGT 511.2 SGR 361.2 SG3 407.7
 RRT .0073 RRF -.1336 RTF -.2772
 SGB 626.0 R23 -.1295 R13 -.2782
 SG1 511.2 SG2 361.2 THA .59

ORBIT DETERMINATION ACCURACY

ST 183.3 SR 347.2 SS 491.2
 CRT .7372 CRS .9296 CST .4501
 LSA 601.3 MSA 182.6 SSA 23.2
 EL1 375.5 EL2 114.5 ALF 66.41

LAUNCH DATE DEC 12 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 251.201

RL 147.28 LAL -.00 LOL 79.76 VL 28.279 GAL -9.02 AZL 86.71 MCA 115.33 SMA 132.38 ECC .19221 INC 3.2934 V1 30.250
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.181 GAP -3.04 A7P 91.41 TAL 225.64 TAP 340.97 RCA 106.94 APO 157.82 V2 35.126
 RC 70.553 GL 18.28 GP 2.25 ZAL 146.02 ZAP 53.36 ETS 356.91 ZAE 163.80 ETE 340.45 ZAC 56.89 ETC 163.05 CLP -53.33

PLANETOCENTRIC CONIC

C3 26.176 VHL 5.116 DLA -3.99 RAL 287.97 RAD 6568.1 VEL 12.147 PTH 2.18 VMP 3.745 DPA -15.04 RAP 324.43 ECC 1.4308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 37 2155.80 -18.10 37.79 152.76 112.15 2 17 33 1555.8 -14.94 30.55
 90.00 12 40 15 5047.88 23.67 222.79 154.96 73.98 14 4 23 4447.9 21.24 214.96
 100.00 3 1 6 1899.44 -19.21 18.45 152.27 113.35 3 32 45 1299.4 -15.89 11.23
 100.00 14 3 28 4779.48 24.82 202.68 154.58 72.79 15 23 8 4179.5 22.23 194.84
 110.00 4 5 3 1699.23 -22.19 1.77 150.79 116.69 4 33 22 1099.2 -18.43 354.66
 110.00 15 16 0 4552.46 27.93 184.25 153.39 69.44 16 31 53 3952.5 24.88 176.41

DIFFERENTIAL CORRECTIONS

TDE -.1041 TRA -.3805 TC3 .2207 BAU .0811
 RDE -.3041 RRA .0552 RC3 -.0708 FAU .13402
 FDE 1.3046 FRA -1.9268 FC3 -4.4326 BSP 645
 BDE .3214 BRA .3844 BC3 .2318 FSP -1373

MID-COURSE EXECUTION ACCURACY

SGT 497.0 SGR 353.6 SG3 452.1
 RRT -.0178 RRF -.1638 RTF -.1041
 SGB 610.0 R23 .1676 R13 .1010
 SG1 497.1 SG2 353.5 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 173.3 SR 341.1 SS 519.2
 CRT .6307 CRS .9307 CST .3165
 LSA 616.6 MSA 187.5 SSA 22.7
 EL1 360.8 EL2 127.1 ALF 69.58

LAUNCH DATE DEC 12 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 257.729

RL 147.28 LAL -.00 LOL 79.76 VL 28.302 GAL -8.97 AZL 86.72 MCA 118.55 SMA 132.55 ECC .19060 INC 3.2792 V1 30.250
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.187 GAP -2.47 A7P 91.57 TAL 225.88 TAP 344.44 RCA 107.29 APO 157.82 V2 35.114
 RC 72.741 GL 18.34 GP 2.44 ZAL 146.11 ZAP 58.45 ETS 356.99 ZAE 166.99 ETE 337.87 ZAC 55.05 ETC 162.80 CLP -58.42

PLANETOCENTRIC CONIC

C3 25.830 VHL 5.082 DLA -3.95 RAL 287.82 RAD 6568.0 VEL 12.133 PTH 2.17 VMP 3.569 DPA -15.41 RAP 322.52 ECC 1.4251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 41 2153.88 -18.05 37.67 152.40 112.19 2 16 35 1553.9 -14.88 30.43
 90.00 12 39 59 5043.22 23.58 222.48 154.55 73.85 14 4 2 4443.2 21.14 214.66
 100.00 3 0 11 1897.45 -19.16 18.33 151.91 113.39 3 31 48 1297.4 -15.83 11.11
 100.00 14 3 11 4774.88 24.73 202.37 154.17 72.65 15 22 45 4174.9 22.12 194.54
 110.00 4 4 11 1697.09 -22.12 1.64 150.43 116.75 4 32 28 1097.1 -18.36 354.53
 110.00 15 15 40 4548.01 27.82 183.95 152.98 69.29 16 31 28 3948.0 24.75 176.13

DIFFERENTIAL CORRECTIONS

TDE -.0761 TRA -.4197 TC3 .1352 BAU .0510
 RDE -.2961 RRA .0588 RC3 -.0594 FAU .14627
 FDE 1.4236 FRA -2.1167 FC3 -4.9024 BSP 357
 BDE .3057 BRA .4238 BC3 .1477 FSP -1533

MID-COURSE EXECUTION ACCURACY

SGT 501.2 SGR 345.6 SG3 497.3
 RRT -.0644 RRF -.1979 RTF .1081
 SGB 608.8 R23 .1848 R13 -.1189
 SG1 502.1 SG2 344.3 THA 175.19

ORBIT DETERMINATION ACCURACY

ST 156.2 SR 334.4 SS 544.1
 CRT .4641 CRS .9318 CST .1235
 LSA 631.1 MSA 191.6 SSA 22.3
 EL1 345.1 EL2 142.6 ALF 74.25

LAUNCH DATE DEC 12 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 264.224

RL 147.28 LAL -.00 LOL 79.76 VL 28.317 GAL -8.90 AZL 86.74 MCA 121.77 SMA 132.67 ECC .18918 INC 3.2641 V1 30.250
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.187 GAP -1.94 A7P 91.72 TAL 225.99 TAP 347.77 RCA 107.57 APO 157.77 V2 35.101
 RC 74.954 GL 18.39 GP 2.63 ZAL 146.13 ZAP 63.72 ETS 357.08 ZAE 170.37 ETE 333.05 ZAC 53.02 ETC 162.51 CLP -63.69

PLANETOCENTRIC CONIC

C3 25.482 VHL 5.048 DLA -3.90 RAL 287.77 RAD 6568.0 VEL 12.119 PTH 2.17 VMP 3.422 DPA -15.82 RAP 320.43 ECC 1.4194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 6 2152.03 -18.00 37.56 152.13 112.23 2 15 58 1552.0 -14.83 30.32
 90.00 12 40 7 5038.38 23.49 222.15 154.24 73.71 14 4 5 4438.4 21.03 214.34
 100.00 2 59 37 1895.52 -19.11 18.21 151.64 113.43 3 31 12 1295.5 -15.78 11.00
 100.00 14 3 17 4770.11 24.63 202.04 153.86 72.51 15 22 47 4170.1 22.01 194.23
 110.00 4 3 40 1695.00 -22.06 1.51 150.16 116.80 4 31 55 1095.0 -18.29 354.41
 110.00 15 15 43 4543.40 27.71 183.64 152.67 69.14 16 31 26 3943.4 24.62 175.83

DIFFERENTIAL CORRECTIONS

TDE -.0454 TRA -.4677 TC3 .0324 BAU .0193
 RDE -.2877 RRA .0629 RC3 -.0464 FAU .15771
 FDE 1.5481 FRA -2.2851 FC3 -5.3579 BSP 276
 BDE .2912 BRA .4719 BC3 .0566 FSP -1675

MID-COURSE EXECUTION ACCURACY

SGT 535.6 SGR 337.5 SG3 540.1
 RRT -.1261 RRF -.2389 RTF .3334
 SGB 633.1 R23 .1711 R13 -.3482
 SG1 538.3 SG2 333.1 THA 172.61

ORBIT DETERMINATION ACCURACY

ST 167.7 SR 327.2 SS 568.5
 CRT .2440 CRS .9345 CST -.1058
 LSA 648.0 MSA 195.2 SSA 21.7
 EL1 330.6 EL2 161.0 ALF 80.63

LAUNCH DATE DEC 12 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 270.686

RL 147.28 LAL -1.00 LOL 79.76 VL 28.326 GAL -8.84 AZL 86.75 MCA 124.99 SMA 132.74 ECC .18794 INC 3.2479 V1 30.250
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.181 GAP -1.42 AZP 91.86 TAL 225.98 TAP 350.97 RCA 107.79 APO 157.68 V2 35.089
 RC 77.191 GL 18.44 GP 2.83 ZAL 146.08 ZAP 69.12 ETS 357.19 ZAE 173.77 ETE 322.16 ZAC 50.87 ETC 162.18 CLP -69.09

PLANETOCENTRIC CONIC

C3 25.129 VHL 5.013 CLA -3.85 RAL 287.79 RAD 6568.0 VEL 12.104 PTH 2.17 VHP 3.303 DPA -16.22 RAP 318.19 ECC 1.4136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 50 2150.21 -17.96 37.45 151.94 112.27 2 15 40 1550.2 -14.78 30.21
 90.00 12 40 37 5033.32 23.39 221.82 154.01 73.57 14 4 30 4433.3 20.91 214.02
 100.00 2 59 22 1893.62 -19.06 18.09 151.45 113.48 3 30 56 1293.6 -15.72 10.89
 100.00 14 3 46 4765.14 24.53 201.71 153.62 72.36 15 23 11 4165.1 21.89 193.91
 110.00 4 3 29 1692.92 -22.00 1.38 149.98 116.85 4 31 42 1092.9 -18.22 354.29
 110.00 15 16 8 4538.61 27.60 183.32 152.43 68.98 16 31 47 3938.6 24.49 175.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0106 TRA -.5219 TC3 -.0843 BAU .0303 SGT 604.0 SGR 329.4 SG3 580.4 ST 179.8 SR 319.5 SS 588.2
 RDE -.2788 RRA .0676 RC3 -.0318 FAU .16836 RRT -.2000 RRF -.2841 RTF .5268 CRT -.0056 CRS .9368 CST -.3452
 FDE 1.6411 FRA -2.4354 FC3 -5.8003 BSP 649 SGB 688.0 R23 .1400 R13 -.5396 LSA 663.9 MSA 197.9 SSA 21.3
 BDE .2790 BRA .5263 BC3 .0901 FSP -1822 SGI 608.9 SG2 320.1 THA 171.37 EL1 319.5 EL2 179.8 ALF 90.27

LAUNCH DATE DEC 12 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 277.115

RL 147.28 LAL -1.00 LOL 79.76 VL 28.328 GAL -8.76 AZL 86.77 MCA 128.21 SMA 132.75 ECC .18683 INC 3.2305 V1 30.250
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.171 GAP -.93 AZP 92.00 TAL 225.86 TAP 354.06 RCA 107.95 APO 157.55 V2 35.076
 RC 79.446 GL 18.48 GP 3.03 ZAL 145.95 ZAP 74.59 ETS 357.32 ZAE 176.54 ETE 288.88 ZAC 48.65 ETC 161.82 CLP -74.57

PLANETOCENTRIC CONIC

C3 24.767 VHL 4.977 CLA -3.79 RAL 287.91 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 3.211 DPA -16.61 RAP 315.86 ECC 1.4076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 52 2148.38 -17.91 37.33 151.83 112.31 2 15 40 1548.4 -14.73 30.10
 90.00 12 41 29 5028.00 23.29 221.46 153.85 73.42 14 5 17 4428.0 20.79 213.67
 100.00 2 59 26 1891.71 -19.00 17.97 151.34 113.52 3 30 57 1291.7 -15.66 10.77
 100.00 14 4 36 4759.90 24.42 201.36 153.46 72.21 15 23 56 4159.9 21.76 193.57
 110.00 4 3 36 1690.82 -21.93 1.25 149.87 116.90 4 31 47 1090.8 -18.15 354.17
 110.00 15 16 55 4533.56 27.47 182.98 152.26 68.81 16 32 29 3933.6 24.34 175.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0263 TRA -.5829 TC3 -.2165 BAU .0719 SGT 706.8 SGR 321.7 SG3 614.4 ST 204.1 SR 311.2 SS 605.9
 RDE -.2695 RRA .0727 RC3 -.0156 FAU .17712 RRT -.2745 RRF -.3356 RTF .6693 CRT -.2279 CRS .9406 CST -.5368
 FDE 1.7283 FRA -2.5459 FC3 -6.1913 BSP 1155 SGB 776.6 R23 .1135 R13 -.6782 LSA 682.1 MSA 200.0 SSA 20.7
 BDE .2707 BRA .5874 BC3 .2171 FSP -1938 SGI 713.6 SG2 306.4 THA 171.25 EL1 316.9 EL2 195.2 ALF 103.84

LAUNCH DATE DEC 12 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 283.512

RL 147.28 LAL -1.00 LOL 79.76 VL 28.324 GAL -8.68 AZL 86.79 MCA 131.42 SMA 132.72 ECC .18583 INC 3.2114 V1 30.250
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.156 GAP -.46 AZP 92.13 TAL 225.62 TAP 357.04 RCA 108.06 APO 157.39 V2 35.063
 RC 81.719 GL 18.52 GP 3.24 ZAL 145.76 ZAP 80.06 ETS 357.47 ZAE 176.14 ETE 224.70 ZAC 46.41 ETC 161.43 CLP -80.05

PLANETOCENTRIC CONIC

C3 24.393 VHL 4.939 CLA -3.73 RAL 288.10 RAD 6568.0 VEL 12.074 PTH 2.16 VHP 3.145 DPA -16.97 RAP 313.51 ECC 1.4015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 11 2146.50 -17.86 37.22 151.79 112.35 2 15 58 1546.5 -14.68 29.99
 90.00 12 42 42 5022.40 23.18 221.09 153.76 73.26 14 6 25 4422.4 20.66 213.31
 100.00 2 59 47 1889.74 -18.95 17.85 151.30 113.56 3 31 17 1289.7 -15.60 10.66
 100.00 14 5 48 4754.40 24.31 200.99 153.37 72.04 15 25 2 4154.4 21.63 193.22
 110.00 4 4 1 1688.64 -21.86 1.12 149.83 116.95 4 32 10 1088.6 -18.07 354.04
 110.00 15 18 3 4528.26 27.34 182.62 152.17 68.64 16 33 31 3928.3 24.19 174.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0652 TRA -.6482 TC3 -.3611 BAU .1178 SGT 837.2 SGR 314.6 SG3 641.3 ST 238.6 SR 302.5 SS 619.4
 RDE -.2597 RRA .0778 RC3 .0019 FAU .18378 RRT -.3481 RRF -.3916 RTF .7641 CRT -.4008 CRS .9447 CST -.6723
 FDE 1.7931 FRA -2.6160 FC3 -6.5225 BSP 1710 SGB 894.3 R23 .0946 R13 -.7699 LSA 700.9 MSA 201.3 SSA 20.0
 BDE .2678 BRA .6529 BC3 .3611 FSP -2030 SGI 845.3 SG2 292.0 THA 171.53 EL1 328.5 EL2 201.3 ALF 119.58

LAUNCH DATE DEC 12 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 289.880

RL 147.28 LAL -1.00 LOL 79.76 VL 28.315 GAL -8.59 AZL 86.81 MCA 134.63 SMA 132.65 ECC .18494 INC 3.1903 V1 30.250
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.138 GAP -.01 AZP 92.24 TAL 225.29 TAP 359.92 RCA 108.12 APO 157.19 V2 35.050
 RC 84.008 GL 18.54 GP 3.46 ZAL 145.51 ZAP 85.48 ETS 357.66 ZAE 173.05 ETE 198.15 ZAC 44.23 ETC 161.03 CLP -85.47

PLANETOCENTRIC CONIC

C3 24.007 VHL 4.900 CLA -3.67 RAL 288.37 RAD 6568.0 VEL 12.058 PTH 2.16 VHP 3.104 DPA -17.27 RAP 311.21 ECC 1.3951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 48 2144.49 -17.81 37.09 151.81 112.39 2 16 32 1544.5 -14.62 29.87
 90.00 12 44 14 5016.57 23.06 220.70 153.73 73.10 14 7 51 4416.6 20.53 212.94
 100.00 3 0 25 1887.64 -18.89 17.72 151.32 113.60 3 31 53 1287.6 -15.54 10.53
 100.00 14 7 18 4748.66 24.19 200.61 153.34 71.88 15 26 26 4148.7 21.48 192.85
 110.00 4 4 44 1686.33 -21.79 .98 149.86 117.01 4 32 50 1086.3 -18.00 353.91
 110.00 15 19 29 4522.73 27.20 182.25 152.13 68.46 16 34 52 3922.7 24.03 174.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1059 TRA -.7152 TC3 -.5139 BAU .1651 SGT 985.5 SGR 307.8 SG3 665.5 ST 280.7 SR 292.5 SS 618.9
 RDE -.2489 RRA .0836 RC3 .0217 FAU .18995 RRT -.4246 RRF -.4474 RTF .8265 CRT -.5291 CRS .9452 CST -.7716
 FDE 1.7932 FRA -2.6828 FC3 -6.8500 BSP 2278 SGB 1032.5 R23 .0735 R13 -.8301 LSA 712.0 MSA 200.4 SSA 19.8
 BDE .2705 BRA .7200 BC3 .5144 FSP -2175 SGI 994.9 SG2 276.1 THA 171.81 EL1 354.6 EL2 196.5 ALF 132.76

LAUNCH DATE DEC 12 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 296.214

RL 147.28 LAL -0.00 LOL 79.76 VL 28.301 GAL -8.49 AZL 86.83 HCA 137.84 SMA 132.55 ECC .18412 INC 3.1669 V1 30.250
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.115 GAP .42 A7P 92.35 TAL 224.85 TAP 2.69 RCA 108.14 APO 156.95 V2 35.036
 RC 86.309 GL 18.56 GP 3.69 ZAL 145.20 ZAP 90.76 ETS 357.89 ZAE 169.49 ETE 188.86 ZAC 42.18 ETC 160.65 CLP -90.77

PLANETOCENTRIC CONIC

C3 23.602 VML 4.858 DLA -3.61 RAL 288.72 RAD 6568.0 VEL 12.041 PTH 2.15 VHP 3.085 DPA -17.51 RAP 309.03 ECC 1.3884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 42 2142.31 -17.75 36.96 151.89 112.43 2 17 24 1542.3 -14.56 29.74
 90.00 12 46 5 5010.42 22.94 220.29 153.76 72.93 14 9 36 4410.4 20.39 212.55
 100.00 3 1 21 1885.36 -18.83 17.58 151.41 113.65 3 32 47 1285.4 -15.47 10.40
 100.00 14 9 7 4742.61 24.06 200.20 153.37 71.70 15 28 10 4142.6 21.33 192.47
 110.00 4 5 44 1683.84 -21.72 .83 149.95 117.07 4 33 47 1083.8 -17.91 353.76
 110.00 15 21 14 4516.89 27.06 181.86 152.16 68.27 16 36 31 3916.9 23.86 174.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1453 TRA -.7853 TC3 -.6788 BAU .2146 SGT 1151.4 SGR 302.6 SG3 671.8 ST 327.5 SR 283.0 SS 631.3
 ROE -.2385 RRA .0881 RC3 .0411 FAU .19042 RRT -.4913 RRF -.5120 RTF .8643 CRT -.6141 CRS .9532 CST -.8191
 FOE 1.8376 FRA -2.6351 FC3 -6.9847 BSP 2905 SGB 1190.5 R23 .0739 R13 -.8670 LSA 738.2 MSA 201.5 SSA 18.7
 BOE .2793 BRA .7903 BC3 .6801 FSP -2148 SG1 1161.5 SG2 261.3 THA 172.25 EL1 390.1 EL2 187.5 ALF 141.71

LAUNCH DATE DEC 12 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 302.521

RL 147.28 LAL -0.00 LOL 79.76 VL 28.283 GAL -8.39 AZL 86.86 HCA 141.05 SMA 132.41 ECC .18339 INC 3.1403 V1 30.250
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.089 GAP .83 A7P 92.44 TAL 224.33 TAP 5.37 RCA 108.13 APO 156.70 V2 35.023
 RC 88.623 GL 18.56 GP 3.94 ZAL 144.83 ZAP 95.87 ETS 358.16 ZAE 165.93 ETE 184.37 ZAC 40.28 ETC 160.31 CLP -95.88

PLANETOCENTRIC CONIC

C3 23.181 VML 4.815 DLA -3.55 RAL 289.13 RAD 6567.9 VEL 12.023 PTH 2.15 VHP 3.086 DPA -17.66 RAP 307.02 ECC 1.3815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 54 2139.82 -17.69 36.80 152.03 112.48 2 18 34 1539.8 -14.49 29.59
 90.00 12 48 12 5004.13 22.81 219.87 153.84 72.76 14 11 36 4404.1 20.24 212.14
 100.00 3 2 35 1882.77 -18.76 17.42 151.54 113.71 3 33 58 1282.8 -15.40 10.24
 100.00 14 11 12 4736.41 23.93 199.79 153.45 71.52 15 30 9 4136.4 21.18 192.07
 110.00 4 7 1 1681.05 -21.63 .66 150.09 117.14 4 35 2 1081.0 -17.82 353.60
 110.00 15 23 15 4510.90 26.91 181.46 152.24 68.07 16 38 26 3910.9 23.69 173.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1840 TRA -.8542 TC3 -.8484 BAU .2636 SGT 1323.9 SGR 298.2 SG3 675.1 ST 376.7 SR 272.3 SS 630.0
 ROE -.2271 RRA .0930 RC3 .0625 FAU .19035 RRT -.5603 RRF -.5745 RTF .8900 CRT -.6765 CRS .9576 CST -.8557
 FOE 1.8189 FRA -2.5862 FC3 -7.1090 BSP 3529 SGB 1357.0 R23 .0701 R13 -.8920 LSA 756.6 MSA 200.6 SSA 18.0
 BOE .2923 BRA .8592 BC3 .8507 FSP -2173 SG1 1334.7 SG2 245.0 THA 172.55 EL1 430.4 EL2 175.5 ALF 148.01

LAUNCH DATE DEC 12 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 308.799

RL 147.28 LAL -0.00 LOL 79.76 VL 28.261 GAL -8.28 AZL 86.89 HCA 144.25 SMA 132.25 ECC .18272 INC 3.1098 V1 30.250
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.061 GAP 1.23 A7P 92.52 TAL 223.72 TAP 7.97 RCA 108.08 APO 156.41 V2 35.010
 RC 90.346 GL 18.55 GP 4.21 ZAL 144.40 ZAP 100.75 ETS 358.48 ZAE 162.49 ETE 181.71 ZAC 38.60 ETC 160.05 CLP -100.78

PLANETOCENTRIC CONIC

C3 22.742 VML 4.769 DLA -3.49 RAL 289.62 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 3.105 DPA -17.73 RAP 305.23 ECC 1.3743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 26 2136.87 -17.61 36.62 152.22 112.54 2 20 3 1536.9 -14.40 29.41
 90.00 12 50 33 4997.77 22.68 219.45 153.98 72.58 14 13 51 4397.8 20.09 211.74
 100.00 3 4 9 1879.74 -18.68 17.23 151.74 113.77 3 35 28 1279.7 -15.31 10.06
 100.00 14 13 32 4730.13 23.79 199.37 153.59 71.34 15 32 22 4130.1 21.02 191.67
 110.00 4 8 38 1677.83 -21.53 .46 150.29 117.22 4 36 36 1077.8 -17.71 353.41
 110.00 15 25 31 4504.81 26.75 181.05 152.37 67.88 16 40 36 3904.8 23.51 173.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2211 TRA -.9209 TC3 -1.0224 BAU .3119 SGT 1500.0 SGR 295.3 SG3 670.0 ST 426.6 SR 261.1 SS 626.5
 ROE -.2153 RRA .0972 RC3 .0850 FAU .18785 RRT -.6264 RRF -.6372 RTF .9069 CRT -.7224 CRS .9627 CST -.8785
 FOE 1.7850 FRA -2.4944 FC3 -7.1510 BSP 4152 SGB 1528.8 R23 .0713 R13 -.9084 LSA 776.2 MSA 199.6 SSA 17.2
 BOE .3086 BRA .8592 BC3 1.0260 FSP -2158 SG1 1511.7 SG2 228.4 THA 172.81 EL1 472.9 EL2 162.9 ALF 152.63

LAUNCH DATE DEC 12 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 315.049

RL 147.28 LAL -0.00 LOL 79.76 VL 28.235 GAL -8.16 AZL 86.93 HCA 147.45 SMA 132.06 ECC .18211 INC 3.0741 V1 30.250
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.029 GAP 1.61 A7P 92.59 TAL 223.04 TAP 10.48 RCA 108.01 APO 156.10 V2 34.996
 RC 93.279 GL 18.51 GP 4.51 ZAL 143.93 ZAP 105.37 ETS 358.86 ZAE 159.25 ETE 179.89 ZAC 37.13 ETC 159.91 CLP -105.42

PLANETOCENTRIC CONIC

C3 22.283 VML 4.721 DLA -3.45 RAL 290.17 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 3.140 DPA -17.69 RAP 303.69 ECC 1.3667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 20 2133.25 -17.52 36.40 152.45 112.61 2 21 53 1533.3 -14.30 29.20
 90.00 12 53 5 4991.50 22.56 219.03 154.18 72.41 14 16 17 4391.5 19.94 211.34
 100.00 3 6 4 1876.06 -18.58 17.01 151.97 113.85 3 37 20 1276.1 -15.20 9.84
 100.00 14 16 3 4723.93 23.65 198.96 153.78 71.17 15 34 47 4123.9 20.86 191.28
 110.00 4 10 36 1674.00 -21.41 .23 150.53 117.31 4 38 30 1074.0 -17.58 353.19
 110.00 15 27 59 4498.75 26.59 180.65 152.57 67.69 16 42 58 3898.8 23.33 173.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2552 TRA -.9843 TC3 -1.2001 BAU .3590 SGT 1676.9 SGR 294.0 SG3 659.5 ST 475.4 SR 249.2 SS 617.9
 ROE -.2030 RRA .1011 RC3 .1091 FAU .18388 RRT -.6900 RRF -.6982 RTF .9184 CRT -.7570 CRS .9675 CST -.8938
 FOE 1.7268 FRA -2.3803 FC3 -7.1439 BSP 4771 SGB 1702.5 R23 .0751 R13 -.9197 LSA 794.1 MSA 197.9 SSA 16.3
 BOE .3261 BRA .9894 BC3 1.2051 FSP -2134 SG1 1689.4 SG2 211.3 THA 172.99 EL1 515.3 EL2 150.2 ALF 156.21

LAUNCH DATE DEC 12 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 321.274

RL 147.28 LAL -1.00 LOL 79.76 VL 28.206 GAL -8.03 AZL 86.97 HCA 150.65 SMA 131.84 ECC .18156 INC 3.0316 V1 30.250
 RP 108.33 LAP 1.49 LOP 230.44 VP 37.996 GAP 1.98 AZP 92.64 TAL 222.28 TAP 12.92 RCA 107.90 APO 155.78 V2 34.983
 RC 95.621 GL 18.44 GP 4.88 ZAL 143.41 ZAP 109.71 ETS 359.32 ZAE 156.22 ETE 178.49 ZAC 35.91 ETC 159.95 CLP-109.79

PLANETOCENTRIC CONIC

C3 21.804 VHL 4.669 DLA -3.43 RAL 290.80 RAD 6567.9 VEL 11.966 PTH 2.13 VHP 3.189 DPA -17.54 RAP 302.42 ECC 1.3588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 40 2128.64 -17.39 36.11 152.74 112.70 2 24 9 1528.6 -14.17 28.92
 90.00 12 55 45 4985.59 22.43 218.64 154.43 72.25 14 18 50 4385.6 19.80 210.96
 100.00 3 8 25 1871.41 -18.45 16.72 152.26 113.95 3 39 36 1271.4 -15.06 9.57
 100.00 14 18 41 4718.04 23.52 198.57 154.03 71.00 15 37 19 4118.0 20.71 190.90
 110.00 4 12 59 1669.28 -21.26 359.94 150.82 117.42 4 40 48 1069.3 -17.42 352.92
 110.00 15 30 37 4492.94 26.44 180.26 152.81 67.50 16 45 30 3892.9 23.16 172.64

DIFFERENTIAL CORRECTIONS

TOE .2865 TRA-1.0428 TC3-1.3799 BAU .4041
 RDE -.1906 RRA .1044 RC3 .1348 FAU .17820
 FDE 1.6609 FRA-2.2373 FC3-7.0754 BSP 5368
 BOE .3441 BRA 1.0480 BC3 1.3864 FSP -2078

MID-COURSE EXECUTION ACCURACY

SGT 1851.3 SGR 294.9 SG3 643.0
 RRT -.7489 RRF -.7569 RTF .9260
 SGB 1874.6 R23 .0842 R13 -.9271
 SG1 1864.6 SG2 194.1 THA 173.12

ORBIT DETERMINATION ACCURACY

ST 522.4 SR 237.0 SS 608.2
 CRT -.7845 CRS .9729 CST -.9029
 LSA 812.5 MSA 196.5 SSA 15.3
 EL1 556.9 EL2 137.9 ALF 159.06

LAUNCH DATE DEC 12 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 327.472

RL 147.28 LAL -1.00 LOL 79.76 VL 28.174 GAL -7.89 AZL 87.02 HCA 153.84 SMA 131.61 ECC .18106 INC 2.9801 V1 30.250
 RP 108.37 LAP 1.31 LOP 233.63 VP 37.960 GAP 2.33 AZP 92.68 TAL 221.45 TAP 15.29 RCA 107.78 APO 155.44 V2 34.970
 RC 97.969 GL 18.32 GP 5.32 ZAL 142.85 ZAP 113.78 ETS 359.88 ZAE 153.42 ETE 177.28 ZAC 34.92 ETC 160.20 CLP-113.89

PLANETOCENTRIC CONIC

C3 21.301 VHL 4.615 DLA -3.45 RAL 291.50 RAD 6567.9 VEL 11.945 PTH 2.13 VHP 3.249 DPA -17.26 RAP 301.41 ECC 1.3506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 34 2122.53 -17.23 35.74 153.06 112.82 2 26 57 1522.5 -13.99 28.56
 90.00 12 58 25 4980.44 22.33 218.30 154.74 72.12 14 21 25 4380.4 19.67 210.64
 100.00 3 11 18 1865.33 -18.28 16.35 152.59 114.07 3 42 24 1265.3 -14.87 9.21
 100.00 14 21 22 4712.88 23.41 198.23 154.34 70.86 15 39 55 4112.9 20.58 190.58
 110.00 4 15 51 1663.26 -21.07 359.57 151.15 117.56 4 43 35 1063.3 -17.22 352.57
 110.00 15 33 18 4487.72 26.31 179.92 153.12 67.34 16 48 6 3887.7 23.00 172.32

DIFFERENTIAL CORRECTIONS

TOE .3124 TRA-1.0969 TC3-1.5644 BAU .4479
 RDE -.1777 RRA .1074 RC3 .1635 FAU .17193
 FDE 1.5743 FRA-2.0884 FC3-6.9878 BSP 5977
 BOE .3594 BRA 1.1022 BC3 1.5729 FSP -2028

MID-COURSE EXECUTION ACCURACY

SGT 2024.0 SGR 298.8 SG3 624.1
 RRT -.8031 RRF -.8116 RTF .9313
 SGB 2046.0 R23 .0972 R13 -.9324
 SG1 2038.3 SG2 176.8 THA 173.19

ORBIT DETERMINATION ACCURACY

ST 565.5 SR 224.3 SS 593.1
 CRT -.8055 CRS .9777 CST -.9083
 LSA 826.8 MSA 194.9 SSA 14.2
 EL1 595.1 EL2 126.3 ALF 161.42

LAUNCH DATE DEC 12 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 333.646

RL 147.28 LAL -1.00 LOL 79.76 VL 28.140 GAL -7.75 AZL 87.08 HCA 157.04 SMA 131.35 ECC .18061 INC 2.9150 V1 30.250
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.923 GAP 2.67 AZP 92.68 TAL 220.55 TAP 17.59 RCA 107.63 APO 155.08 V2 34.957
 RC 100.323 GL 18.13 GP 5.88 ZAL 142.25 ZAP 117.55 ETS .58 ZAE 150.84 ETE 176.12 ZAC 34.16 ETC 160.74 CLP-117.71

PLANETOCENTRIC CONIC

C3 20.771 VHL 4.558 DLA -3.52 RAL 292.27 RAD 6567.8 VEL 11.923 PTH 2.12 VHP 3.320 DPA -16.81 RAP 300.67 ECC 1.3418
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 13 2114.15 -17.01 35.22 153.43 112.98 2 30 27 1514.2 -13.75 28.06
 90.00 13 0 56 4976.72 22.25 218.06 155.11 72.02 14 23 53 4376.7 19.58 210.40
 100.00 3 14 55 1857.07 -18.05 15.84 152.95 114.24 3 45 52 1257.1 -14.63 8.72
 100.00 14 23 55 4709.04 23.32 197.98 154.72 70.75 15 42 24 4109.0 20.48 190.34
 110.00 4 19 23 1655.24 -20.82 359.09 151.52 117.74 4 46 58 1055.2 -16.94 352.11
 110.00 15 35 57 4483.62 26.20 179.65 153.50 67.22 16 50 40 3883.6 22.88 172.06

DIFFERENTIAL CORRECTIONS

TOE .3345 TRA-1.1432 TC3-1.7503 BAU .4891
 RDE -.1650 RRA .1097 RC3 .1956 FAU .16459
 FDE 1.4853 FRA-1.9200 FC3-6.8602 BSP 6536
 BOE .3730 BRA 1.1485 BC3 1.7612 FSP -1952

MID-COURSE EXECUTION ACCURACY

SGT 2189.9 SGR 306.4 SG3 601.3
 RRT -.8503 RRF -.8610 RTF .9346
 SGB 2211.3 R23 .1180 R13 -.9356
 SG1 2205.4 SG2 160.2 THA 173.18

ORBIT DETERMINATION ACCURACY

ST 604.8 SR 211.6 SS 577.1
 CRT -.8235 CRS .9827 CST -.9103
 LSA 840.1 MSA 193.9 SSA 13.0
 EL1 630.3 EL2 115.2 ALF 163.35

LAUNCH DATE DEC 12 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 339.796

RL 147.28 LAL -1.00 LOL 79.76 VL 28.103 GAL -7.60 AZL 87.17 HCA 160.23 SMA 131.09 ECC .18022 INC 2.8305 V1 30.250
 RP 108.44 LAP .96 LOP 240.01 VP 37.884 GAP 2.99 AZP 92.66 TAL 219.60 TAP 19.83 RCA 107.46 APO 154.71 V2 34.945
 RC 102.682 GL 17.82 GP 6.61 ZAL 141.64 ZAP 121.04 ETS 1.49 ZAE 148.48 ETE 174.87 ZAC 33.60 ETC 161.67 CLP-121.27

PLANETOCENTRIC CONIC

C3 20.208 VHL 4.495 DLA -3.69 RAL 293.13 RAD 6567.8 VEL 11.899 PTH 2.11 VHP 3.399 DPA -16.14 RAP 300.16 ECC 1.3326
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 55 2102.17 -16.69 34.49 153.82 113.21 2 34 58 1502.2 -13.41 27.35
 90.00 13 3 3 4975.55 22.22 217.98 155.56 71.99 14 25 58 4375.5 19.55 210.33
 100.00 3 19 32 1845.35 -17.72 15.13 153.35 114.47 3 50 18 1245.3 -14.27 8.03
 100.00 14 26 7 4707.60 23.29 197.89 155.17 70.71 15 44 35 4107.6 20.45 190.25
 110.00 4 23 49 1644.11 -20.47 358.42 151.91 118.00 4 51 13 1044.1 -16.56 351.47
 110.00 15 38 20 4481.60 26.15 179.52 153.95 67.15 16 53 1 3881.6 22.82 171.94

DIFFERENTIAL CORRECTIONS

TOE .3484 TRA-1.1836 TC3-1.9444 BAU .5291
 RDE -.1522 RRA .1119 RC3 .2338 FAU .15719
 FDE 1.3780 FRA-1.7540 FC3-6.7342 BSP 7112
 BOE .3802 BRA 1.1889 BC3 1.9584 FSP -1885

MID-COURSE EXECUTION ACCURACY

SGT 2353.4 SGR 319.8 SG3 578.0
 RRT -.8900 RRF -.9039 RTF .9368
 SGB 2375.1 R23 .1469 R13 -.9380
 SG1 2370.7 SG2 144.8 THA 173.08

ORBIT DETERMINATION ACCURACY

ST 636.9 SR 198.7 SS 554.9
 CRT -.8367 CRS .9871 CST -.9094
 LSA 846.0 MSA 192.9 SSA 11.7
 EL1 658.8 EL2 105.2 ALF 164.98

LAUNCH DATE DEC 12 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 345.924

RL 147.28 LAL -0.00 LOL 79.76 VL 28.065 GAL -7.44 AZL 87.29 MCA 163.42 SMA 130.81 ECC .17988 INC 2.7150 V1 30.250
 RP 108.48 LAP .77 LOP 243.20 VP 37.844 GAP 3.31 A7P 92.60 TAL 218.59 TAP 22.01 RCA 107.28 APO 154.34 V2 34.932
 RC 105.043 GL 17.32 GP 7.63 ZAL 141.03 ZAP 124.24 ETS 2.71 ZAE 146.30 ETE 173.39 ZAC 33.21 ETC 163.12 CLP-124.59

PLANETOCENTRIC CONIC

C3 19.598 VHL 4.427 DLA -4.04 RAL 294.07 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 3.488 DPA -15.15 RAP 299.87 ECC 1.3225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 17 2084.20 -16.21 33.39 154.24 113.54 2 41 1 1484.2 -12.89 26.29
 90.00 13 4 16 4978.97 22.30 218.21 156.10 72.08 14 27 15 4379.0 19.64 210.54
 100.00 3 25 44 1827.90 -17.23 14.07 153.77 114.81 3 56 12 1227.9 -13.74 7.01
 100.00 14 27 30 4710.50 23.36 198.08 155.71 70.79 15 46 1 4110.5 20.52 190.43
 110.00 4 29 38 1627.83 -19.94 357.45 152.33 118.36 4 56 46 1027.8 -16.00 350.55
 110.00 15 40 5 4483.33 26.19 179.63 154.52 67.21 16 54 48 3883.3 22.87 172.04

DIFFERENTIAL CORRECTIONS

TDE .3543 TRA-1.2138 TC3-2.1446 BAU .5667
 RDE -.1399 RRA .1137 RC3 .2806 FAU .14916
 FDE 1.2644 FRA-1.5752 FC3-6.5887 BSP 7636
 BDE .3809 BRA 1.2191 BC3 2.1629 FSP -1798

MID-COURSE EXECUTION ACCURACY

SGT 2509.2 SGR 341.0 SG3 552.5
 RRT -.9200 RRF -.9390 RTF .9378
 SGB 2532.2 R23 .1883 R13 -.9390
 SG1 2528.8 SG2 132.6 THA 172.85

ORBIT DETERMINATION ACCURACY

ST 660.8 SR 186.5 SS 529.3
 CRT -.8466 CRS .9912 CST -.9047
 LSA 845.1 MSA 193.0 SSA 10.3
 EL1 679.8 EL2 96.5 ALF 166.28

LAUNCH DATE DEC 12 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 352.030

RL 147.28 LAL -0.00 LOL 79.76 VL 28.024 GAL -7.27 AZL 87.45 MCA 166.60 SMA 130.52 ECC .17959 INC 2.5461 V1 30.250
 RP 108.52 LAP .59 LOP 246.38 VP 37.803 GAP 3.61 A7P 92.48 TAL 217.53 TAP 24.14 RCA 107.08 APO 153.95 V2 34.920
 RC 107.406 GL 16.49 GP 9.14 ZAL 140.47 ZAP 127.12 ETS 4.47 ZAE 144.25 ETE 171.44 ZAC 32.95 ETC 165.39 CLP-127.68

PLANETOCENTRIC CONIC

C3 18.923 VHL 4.350 DLA -4.69 RAL 295.15 RAD 6567.8 VEL 11.845 PTH 2.10 VHP 3.588 DPA -13.65 RAP 299.72 ECC 1.3114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 28 2055.46 -15.42 31.65 154.69 114.05 2 49 44 1455.5 -12.04 24.60
 90.00 13 3 37 4991.12 22.55 219.01 156.79 72.40 14 26 48 4391.1 19.93 211.31
 100.00 3 34 36 1800.17 -16.43 12.40 154.20 115.33 4 4 37 1200.2 -12.88 5.40
 100.00 14 27 10 4721.64 23.60 198.81 156.41 71.10 15 45 52 4121.6 20.81 191.13
 110.00 4 37 48 1602.34 -19.11 355.94 152.76 118.90 5 4 30 1002.3 -15.11 349.11
 110.00 15 40 28 4492.24 26.43 180.22 155.24 67.48 16 55 20 3892.2 23.14 172.60

DIFFERENTIAL CORRECTIONS

TDE .3440 TRA-1.2334 TC3-2.3604 BAU .6034
 RDE -.1275 RRA .1159 RC3 .3438 FAU .14111
 FDE 1.1216 FRA-1.3973 FC3-6.4559 BSP 8167
 BDE .3669 BRA 1.2389 BC3 2.3853 FSP -1719

MID-COURSE EXECUTION ACCURACY

SGT 2660.7 SGR 375.6 SG3 526.5
 RRT -.9404 RRF -.9657 RTF .9382
 SGB 2687.1 R23 .2393 R13 -.9398
 SG1 2684.2 SG2 126.6 THA 172.42

ORBIT DETERMINATION ACCURACY

ST 669.5 SR 174.3 SS 491.9
 CRT -.8492 CRS .9943 CST -.8949
 LSA 826.6 MSA 192.9 SSA 8.8
 EL1 686.0 EL2 89.9 ALF 167.31

LAUNCH DATE DEC 12 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 358.115

RL 147.28 LAL -0.00 LOL 79.76 VL 27.982 GAL -7.09 AZL 87.72 MCA 169.79 SMA 130.21 ECC .17935 INC 2.2744 V1 30.250
 RP 108.56 LAP .40 LOP 249.56 VP 37.761 GAP 3.90 A7P 92.24 TAL 216.42 TAP 26.21 RCA 106.86 APO 153.57 V2 34.909
 RC 109.770 GL 15.00 GP 11.58 ZAL 140.04 ZAP 129.59 ETS 7.22 ZAE 142.19 ETE 168.53 ZAC 32.80 ETC 169.12 CLP-130.58

PLANETOCENTRIC CONIC

C3 18.138 VHL 4.259 DLA -5.98 RAL 296.40 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 3.706 DPA -11.20 RAP 299.62 ECC 1.2985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 15 2004.96 -13.99 28.63 155.16 114.87 3 3 40 1405.0 -10.52 21.67
 90.00 12 58 51 5021.74 23.16 221.04 157.75 73.24 14 22 32 4421.7 20.65 213.27
 100.00 3 48 46 1751.70 -14.99 9.51 154.66 116.17 4 17 57 1151.7 -11.35 2.61
 100.00 14 23 1 4750.23 24.22 200.71 157.39 71.92 15 42 11 4150.2 21.52 192.95
 110.00 4 50 31 1558.35 -17.64 353.37 153.20 119.76 5 16 29 958.4 -13.55 346.65
 110.00 15 37 45 4516.34 27.04 181.82 156.26 68.25 16 53 2 3916.3 23.85 174.11

DIFFERENTIAL CORRECTIONS

TDE .3060 TRA-1.2361 TC3-2.6008 BAU .6395
 RDE -.1145 RRA .1186 RC3 .4377 FAU .13245
 FDE .9341 FRA-1.2057 FC3-6.3220 BSP 8677
 BDE .3268 BRA 1.2418 BC3 2.6374 FSP -1629

MID-COURSE EXECUTION ACCURACY

SGT 2805.9 SGR 434.1 SG3 498.1
 RRT -.9503 RRF -.9840 RTF .9380
 SGB 2839.3 R23 .2910 R13 -.9401
 SG1 2836.1 SG2 133.7 THA 171.62

ORBIT DETERMINATION ACCURACY

ST 652.4 SR 161.8 SS 434.9
 CRT -.8368 CRS .9964 CST -.8731
 LSA 776.9 MSA 193.0 SSA 7.5
 EL1 666.5 EL2 86.7 ALF 168.07

LAUNCH DATE DEC 12 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 364.180

RL 147.28 LAL -0.00 LOL 79.76 VL 27.939 GAL -6.91 AZL 88.24 MCA 172.97 SMA 129.90 ECC .17917 INC 1.7622 V1 30.250
 RP 108.59 LAP .22 LOP 252.73 VP 37.718 GAP 4.19 A7P 91.75 TAL 215.26 TAP 28.24 RCA 106.63 APO 153.18 V2 34.897
 RC 112.133 GL 11.88 GP 16.13 ZAL 139.92 ZAP 131.23 ETS 12.13 ZAE 139.69 ETE 163.51 ZAC 32.84 ETC 176.10 CLP-133.33

PLANETOCENTRIC CONIC

C3 17.157 VHL 4.142 DLA -8.85 RAL 298.03 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 3.871 DPA -6.63 RAP 299.32 ECC 1.2824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 1 1900.47 -10.92 22.49 155.80 116.29 3 30 41 1300.5 -7.30 15.68
 90.00 12 43 3 5100.42 24.61 226.36 159.44 75.53 14 8 4 4500.4 22.38 218.39
 100.00 4 16 3 1651.95 -11.92 3.70 155.28 117.62 4 43 34 1052.0 -8.13 356.96
 100.00 14 8 43 4824.17 25.69 205.71 159.12 74.17 15 29 7 4224.2 23.27 197.75
 110.00 5 14 28 1469.01 -14.55 348.29 153.75 121.28 5 38 57 869.0 -10.31 341.77
 110.00 15 26 46 4579.87 28.57 186.13 158.08 70.38 16 43 6 3979.9 25.63 178.19

DIFFERENTIAL CORRECTIONS

TDE .2009 TRA-1.2099 TC3-2.8946 BAU .6782
 RDE -.0955 RRA .1221 RC3 .6028 FAU .12172
 FDE .6409 FRA -.9770 FC3-6.1417 BSP 9238
 BDE .2225 BRA 1.2161 BC3 2.9567 FSP -1510

MID-COURSE EXECUTION ACCURACY

SGT 2949.0 SGR 544.1 SG3 461.6
 RRT -.9496 RRF -.9948 RTF .9371
 SGB 2998.7 R23 .3255 R13 -.9403
 SG1 2994.0 SG2 168.0 THA 170.03

ORBIT DETERMINATION ACCURACY

ST 583.6 SR 142.5 SS 330.7
 CRT -.7676 CRS .9968 CST -.8073
 LSA 658.6 MSA 190.9 SSA 6.4
 EL1 594.0 EL2 89.7 ALF 169.13

LAUNCH DATE DEC 12 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 370.224
 RL 147.28 LAL -.00 LOL 79.76 VL 27.894 GAL -6.72 AZL 89.59 HCA 176.15 SMA 129.59 ECC .17905 INC .3880 V1 30.250
 RP 108.63 LAP .03 LOP 255.91 VP 37.675 GAP 4.46 AZP 90.41 TAL 214.06 TAP 30.21 RCA 106.39 APO 152.79 V2 34.886
 RC 114.493 GL 2.83 GP 27.31 ZAL 140.24 ZAP 129.88 ETS 22.84 ZAE 134.36 ETE 152.98 ZAC 34.50 ETC 192.52 CLP-136.19

PLANETOCENTRIC CONIC

C3 15.957 VHL 3.995 DLA -17.50 RAL 300.98 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 4.266 DPA 4.45 RAP 297.85 ECC 1.2626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 40 1583.91 -.94 4.59 158.54 118.30 4 53 4 983.9 2.85 357.96
 90.00 11 38 57 5383.77 27.91 246.39 164.59 85.01 13 8 41 4783.8 26.92 237.86
 100.00 5 37 50 1354.27 -2.10 347.06 157.90 119.83 6 0 24 754.3 1.89 340.54
 100.00 13 10 28 5088.64 29.23 224.53 164.44 83.43 14 35 17 4488.6 28.01 215.94
 110.00 6 23 44 1210.49 -5.02 334.34 156.08 123.86 6 43 54 610.5 -.54 328.12
 110.00 14 41 4 4805.20 32.63 202.40 163.83 79.20 16 1 9 4205.2 30.80 193.66

DIFFERENTIAL CORRECTIONS

TDE -.1238 TRA-1.0806 TC3-3.2379 BAU .7210
 RDE -.0236 RRA .1161 RC3 .9691 FAU .10091
 FDE .0266 FRA -.6083 FC3-5.4745 BSP 9642
 BDE .1260 BRA 1.0868 BC3 3.3798 FSP -1253

MID-COURSE EXECUTION ACCURACY

SGT 3060.1 SGR 794.4 SG3 386.1
 RRT -.9381 RRF -.9993 RTF .9356
 SGB 3161.5 R23 .3314 R13 -.9427
 SG1 3150.2 SG2 267.2 THA 166.21

ORBIT DETERMINATION ACCURACY

ST 524.6 SR 66.5 SS 113.0
 CRT -.6106 CRS .9171 CST -.8531
 LSA 535.2 MSA 76.9 SSA 11.3
 EL1 526.2 EL2 52.5 ALF 175.53

LAUNCH DATE DEC 12 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 376.228
 RL 147.28 LAL -.00 LOL 79.76 VL 27.849 GAL -6.51 AZL 103.33 HCA 179.30 SMA 129.27 ECC .17894 INC 13.3149 V1 30.250
 RP 108.66 LAP -.16 LOP 259.08 VP 37.631 GAP 4.72 AZP 76.67 TAL 212.81 TAP 32.11 RCA 106.14 APO 152.40 V2 34.875
 RC 116.852 GL -55.08 GP 74.01 ZAL 112.40 ZAP 105.03 ETS 59.07 ZAE 100.14 ETE 144.97 ZAC 60.27 ETC 244.51 CLP-160.25

PLANETOCENTRIC CONIC

C3 60.565 VHL 7.782 DLA -68.70 RAL 346.06 RAD 6569.1 VEL 13.488 PTH 2.47 VHP 11.226 DPA 49.56 RAP 278.64 ECC 1.9967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.37 5 51 57 2040.17 24.43 68.60 245.84 156.48 6 25 57 1440.2 31.71 65.28
 155.63 16 13 19 5583.21 24.43 258.05 245.86 156.48 17 46 22 4983.2 31.72 254.73
 24.37 5 51 57 2040.17 24.43 68.60 245.84 156.48 6 25 57 1440.2 31.71 65.28
 155.63 16 13 19 5583.21 24.43 258.05 245.86 156.48 17 46 22 4983.2 31.72 254.73
 24.37 5 51 57 2040.17 24.43 68.60 245.84 156.48 6 25 57 1440.2 31.71 65.28
 155.63 16 13 19 5583.21 24.43 258.05 245.86 156.48 17 46 22 4983.2 31.72 254.73

DIFFERENTIAL CORRECTIONS

TDE-3.7514 TRA .8915 TC3 -.5466 BAU .4708
 RDE .5187 RRA -.3339 RC3 .1984 FAU .01500
 FDE-1.0840 FRA .3640 FC3 -.2144 BSP 3341
 BDE 3.7871 BRA .9519 BC3 .5815 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 3408.2 SGR 836.1 SG3 98.2
 RRT -.8913 RRF -.9542 RTF .9861
 SGB 3509.2 R23 .1428 R13 -.9897
 SG1 3489.6 SG2 370.2 THA 167.52

ORBIT DETERMINATION ACCURACY

ST 2814.7 SR 432.6 SS 803.4
 CRT -.9568 CRS .9763 CST -.9971
 LSA 2955.8 MSA 135.8 SSA .4
 EL1 2845.0 EL2 124.4 ALF 171.62

LAUNCH DATE DEC 12 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 382.278
 RL 147.28 LAL -.00 LOL 79.76 VL 27.802 GAL -6.31 AZL 82.05 HCA 182.52 SMA 128.94 ECC .17903 INC 7.9507 V1 30.250
 RP 108.69 LAP -.35 LOP 262.25 VP 37.587 GAP 4.99 AZP 97.95 TAL 211.55 TAP 34.07 RCA 105.86 APO 152.03 V2 34.865
 RC 119.206 GL 43.27 GP -37.05 ZAL 120.88 ZAP 128.64 ETS 319.74 ZAE 122.83 ETE 211.41 ZAC 61.15 ETC 126.72 CLP-141.48

PLANETOCENTRIC CONIC

C3 31.128 VHL 5.579 DLA 23.04 RAL 296.94 RAD 6568.2 VEL 12.349 PTH 2.23 VHP 4.952 DPA -58.38 RAP 315.33 ECC 1.5123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 15 51 3139.76 -26.83 106.49 174.97 80.60 23 8 11 2539.8 -27.86 97.97
 90.00 17 13 39 4150.43 -1.56 169.22 166.17 61.72 18 22 50 3550.4 -5.33 162.56
 100.00 23 54 45 2820.86 -28.91 83.39 175.33 82.05 24 41 46 2220.9 -29.71 74.67
 100.00 18 17 26 3944.57 .28 153.07 165.14 60.11 19 23 11 3344.6 -3.70 146.54
 110.00 1 42 37 2495.68 -33.94 59.32 175.97 85.63 2 24 13 1895.7 -34.17 50.09
 110.00 18 49 59 3842.51 4.57 142.66 162.47 56.09 19 54 2 3242.5 .08 136.44

DIFFERENTIAL CORRECTIONS

TDE 2.0014 TRA-1.7969 TC3-1.6591 BAU .7057
 RDE .3987 RRA -.0392 RC3 -.3509 FAU .07075
 FDE 2.2253 FRA -.9158 FC3-1.9677 BSP 9851
 BDE 2.0407 BRA 1.7973 BC3 1.6958 FSP -918

MID-COURSE EXECUTION ACCURACY

SGT 3416.5 SGR 568.2 SG3 287.7
 RRT .8521 RRF .9726 RTF .9503
 SGB 3463.4 R23 .2995 R13 .9540
 SG1 3450.9 SG2 294.4 THA 8.13

ORBIT DETERMINATION ACCURACY

ST 2142.3 SR 409.8 SS 986.8
 CRT .9683 CRS -.9949 CST -.9886
 LSA 2388.4 MSA 162.9 SSA .5
 EL1 2178.8 EL2 100.7 ALF 10.52

LAUNCH DATE DEC 12 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 388.267
 RL 147.28 LAL -.00 LOL 79.76 VL 27.755 GAL -6.09 AZL 84.60 HCA 185.69 SMA 128.62 ECC .17910 INC 5.4025 V1 30.250
 RP 108.72 LAP -.53 LOP 265.42 VP 37.543 GAP 5.24 AZP 95.38 TAL 210.24 TAP 35.92 RCA 105.58 APO 151.65 V2 34.856
 RC 121.557 GL 33.62 GP -17.79 ZAL 125.92 ZAP 139.01 ETS 335.85 ZAE 132.14 ETE 198.76 ZAC 48.99 ETC 139.12 CLP-142.44

PLANETOCENTRIC CONIC

C3 22.026 VHL 4.693 DLA 13.68 RAL 299.42 RAD 6567.9 VEL 11.975 PTH 2.13 VHP 4.320 DPA -39.30 RAP 310.23 ECC 1.3625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 10 30 2676.71 -27.45 72.88 167.19 97.23 0 55 6 2076.7 -26.17 64.45
 90.00 15 42 43 4442.41 7.78 185.59 160.96 62.69 16 56 45 3842.4 4.06 178.88
 100.00 1 39 2 2391.18 -28.75 51.68 166.98 98.57 2 18 53 1791.2 -27.26 43.19
 100.00 16 56 52 4203.18 8.94 167.38 160.34 61.36 18 6 55 3603.2 5.04 160.75
 110.00 3 3 26 2127.11 -32.17 30.90 166.25 102.24 3 38 53 1527.1 -30.15 22.27
 110.00 17 48 58 4040.01 11.93 153.21 158.55 57.73 18 56 18 3440.0 7.59 146.81

DIFFERENTIAL CORRECTIONS

TDE 1.3005 TRA-1.5979 TC3-2.5843 BAU .7634
 RDE .1438 RRA .0116 RC3 -.2061 FAU .09483
 FDE 1.8975 FRA -.8841 FC3-3.7275 BSP 11033
 BDE 1.3084 BRA 1.5980 BC3 2.5925 FSP -1260

MID-COURSE EXECUTION ACCURACY

SGT 3526.5 SGR 261.7 SG3 375.0
 RRT .7791 RRF .9399 RTF .9404
 SGB 3536.2 R23 .3280 R13 .9413
 SG1 3532.4 SG2 163.8 THA 3.32

ORBIT DETERMINATION ACCURACY

ST 1699.7 SR 175.7 SS 874.5
 CRT .9260 CRS -.9859 CST -.9768
 LSA 1911.1 MSA 179.9 SSA 2.0
 EL1 1707.5 EL2 66.1 ALF 5.48

LAUNCH DATE DEC 12 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 394.244

RL 147.28 LAL -0.00 LOL 79.76 VL 27.707 GAL -5.86 AZL 85.33 HCA 188.86 SMA 128.29 ECC .17926 INC 4.6749 V1 30.250
 RP 108.75 LAP -.72 LOP 268.59 VP 37.500 GAP 5.49 AZP 94.62 TAL 208.89 TAP 37.75 RCA 105.29 APO 151.28 V2 34.846
 RC 125.903 GL 30.37 GP -11.35 ZAL 126.45 ZAP 142.67 ETS 342.40 ZAE 133.54 ETE 192.64 ZAC 46.37 ETC 145.14 CLP-144.20

PLANETOCENTRIC CONIC

C3 19.737 VHL 4.443 DLA 10.78 RAL 301.27 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 4.310 DPA -32.71 RAP 310.06 ECC 1.3248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 42 25 2552.36 -26.07 64.05 165.83 101.45 1 24 58 1952.4 -24.23 55.86
 90.00 15 25 33 4514.15 10.00 189.69 161.06 63.37 16 40 47 3914.1 6.34 182.92
 100.00 2 9 9 2272.65 -27.25 43.19 165.55 102.79 2 47 2 1672.6 -29.21 34.98
 100.00 16 41 30 4269.10 11.06 171.12 160.50 62.05 17 52 39 3669.1 7.24 164.41
 110.00 3 29 37 2020.87 -30.37 23.14 164.62 106.50 4 3 18 1420.9 -27.81 14.88
 110.00 17 37 32 4093.63 13.86 156.16 158.86 58.44 18 45 46 3493.6 9.59 149.67

DIFFERENTIAL CORRECTIONS

TDE 1.1442 TRA-1.5169 TC3-2.9935 BAU .7902
 RDE .0883 RRA .0304 RC3 -.0791 FAU .09516
 FDE 1.6642 FRA -.7388 FC3-4.1740 BSP 11352
 BDE 1.1476 BRA 1.5172 BC3 2.9945 FSP -1268

MID-COURSE EXECUTION ACCURACY

SGT 3635.6 SGR 139.7 SG3 379.6
 RRT .5427 RRF .7602 RTF .9368
 SGB 3638.3 R23 .2992 R13 .9370
 SG1 3636.4 SG2 117.3 THA 1.20

ORBIT DETERMINATION ACCURACY

ST 1594.0 SR 114.5 SS 807.6
 CRT .8823 CR3 -.9710 CST -.9690
 LSA 1780.9 MSA 185.4 SSA 3.4
 EL1 1597.2 EL2 53.8 ALF 3.63

LAUNCH DATE DEC 12 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 400.206

RL 147.28 LAL -0.00 LOL 79.76 VL 27.659 GAL -5.63 AZL 85.67 HCA 192.03 SMA 127.96 ECC .17948 INC 4.3293 V1 30.250
 RP 108.78 LAP -.90 LOP 271.76 VP 37.456 GAP 5.73 AZP 94.23 TAL 207.51 TAP 39.54 RCA 104.99 APO 150.92 V2 34.838
 RC 126.245 GL 28.86 GP -8.22 ZAL 125.87 ZAP 145.09 ETS 345.82 ZAE 133.60 ETE 189.35 ZAC 45.97 ETC 148.74 CLP-145.95

PLANETOCENTRIC CONIC

C3 18.534 VHL 4.305 DLA 9.64 RAL 302.97 RAD 6567.8 VEL 11.829 PTH 2.09 VHP 4.378 DPA -29.34 RAP 310.83 ECC 1.3050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 28 2499.93 -25.31 60.39 165.98 103.13 1 40 7 1899.9 -23.26 52.33
 90.00 15 23 2 4536.88 10.69 191.01 161.84 63.62 16 38 39 3936.9 7.06 184.21
 100.00 2 24 32 2222.30 -26.44 39.67 165.67 104.48 3 1 35 1622.3 -24.19 31.59
 100.00 16 39 38 4289.75 11.72 172.30 161.30 62.30 17 51 8 3689.8 7.92 165.57
 110.00 3 43 34 1975.01 -29.44 19.90 164.68 108.22 4 16 29 1375.0 -26.67 11.81
 110.00 17 37 6 4109.80 14.44 157.06 159.72 58.67 18 45 36 3509.8 10.19 150.54

DIFFERENTIAL CORRECTIONS

TDE 1.0884 TRA-1.4678 TC3-3.2958 BAU .8166
 RDE .0725 RRA .0357 RC3 .0021 FAU .09212
 FDE 1.5146 FRA -.6111 FC3-4.3029 BSP 11747
 BDE 1.0908 BRA 1.4682 BC3 3.2958 FSP -1241

MID-COURSE EXECUTION ACCURACY

SGT 3752.0 SGR 107.8 SG3 371.3
 RRT .0967 RRF .3192 RTF .9345
 SGB 3753.5 R23 .2299 R13 .9345
 SG1 3752.0 SG2 107.3 THA .16

ORBIT DETERMINATION ACCURACY

ST 1568.1 SR 97.5 SS 769.3
 CRT .8574 CR3 -.9621 CST -.9646
 LSA 1739.1 MSA 188.7 SSA 4.9
 EL1 1570.3 EL2 50.1 ALF 3.06

LAUNCH DATE DEC 12 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 406.153

RL 147.28 LAL -0.00 LOL 79.76 VL 27.610 GAL -5.39 AZL 85.87 HCA 195.20 SMA 127.62 ECC .17980 INC 4.1264 V1 30.250
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.413 GAP 5.97 AZP 93.88 TAL 206.09 TAP 41.29 RCA 104.68 APO 150.57 V2 34.830
 RC 128.581 GL 28.04 GP -6.38 ZAL 124.80 ZAP 147.07 ETS 347.89 ZAE 133.31 ETE 187.31 ZAC 46.42 ETC 151.23 CLP-147.63

PLANETOCENTRIC CONIC

C3 17.701 VHL 4.207 DLA 9.22 RAL 304.64 RAD 6567.7 VEL 11.793 PTH 2.09 VHP 4.467 DPA -27.22 RAP 311.99 ECC 1.2913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 26 2475.74 -24.93 58.73 166.72 103.88 1 49 42 1875.7 -22.78 50.72
 90.00 15 26 24 4539.60 10.77 191.16 162.85 63.65 16 42 4 3939.6 7.14 184.36
 100.00 2 34 18 2198.84 -26.03 38.04 166.40 105.24 3 10 57 1598.8 -23.68 30.03
 100.00 16 43 14 4291.74 11.78 172.41 162.33 62.33 17 54 46 3691.7 7.99 165.68
 110.00 3 52 49 1953.13 -28.96 18.37 165.38 109.01 4 25 22 1353.1 -26.09 10.36
 110.00 17 41 12 4110.21 14.45 157.09 160.77 58.68 18 49 42 3510.2 10.20 150.57

DIFFERENTIAL CORRECTIONS

TDE 1.0738 TRA-1.4230 TC3-3.5527 BAU .8408
 RDE .0696 RRA .0356 RC3 .0599 FAU .08804
 FDE 1.4144 FRA -.4912 FC3-4.3058 BSP 12098
 BDE 1.0761 BRA 1.4234 BC3 3.5532 FSP -1195

MID-COURSE EXECUTION ACCURACY

SGT 3863.9 SGR 118.1 SG3 359.3
 RRT -.2378 RRF -.0678 RTF .9321
 SGB 3865.7 R23 -.1586 R13 -.9321
 SG1 3864.0 SG2 114.7 THA 179.58

ORBIT DETERMINATION ACCURACY

ST 1579.1 SR 96.0 SS 748.7
 CRT .8568 CR3 -.9640 CST -.9618
 LSA 1739.7 MSA 191.6 SSA 6.3
 EL1 1581.2 EL2 49.4 ALF 2.98

LAUNCH DATE DEC 12 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 412.086

RL 147.28 LAL -0.00 LOL 79.76 VL 27.561 GAL -5.14 AZL 86.01 HCA 198.37 SMA 127.29 ECC .18019 INC 3.9923 V1 30.250
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.369 GAP 6.20 AZP 93.79 TAL 204.66 TAP 43.02 RCA 104.36 APO 150.23 V2 34.822
 RC 130.911 GL 27.58 GP -5.18 ZAL 123.46 ZAP 148.83 ETS 349.29 ZAE 132.93 ETE 185.94 ZAC 47.31 ETC 153.12 CLP-149.23

PLANETOCENTRIC CONIC

C3 17.045 VHL 4.129 DLA 9.19 RAL 306.34 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 4.566 DPA -25.68 RAP 313.36 ECC 1.2805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 28 2466.03 -24.77 58.06 167.77 104.18 1 56 34 1866.0 -22.58 50.08
 90.00 15 32 58 4531.83 10.53 190.71 164.01 63.56 16 48 29 3931.8 6.90 183.92
 100.00 2 41 19 2189.18 -25.86 37.38 167.45 105.55 3 17 48 1589.2 -23.47 29.39
 100.00 16 49 48 4283.91 11.54 171.96 163.49 62.23 18 1 12 3683.9 7.73 165.24
 110.00 3 59 48 1943.59 -28.75 17.71 166.43 109.34 4 32 11 1343.6 -25.84 9.74
 110.00 17 47 49 4102.27 14.17 156.64 161.96 58.56 18 56 11 3502.3 9.91 150.14

DIFFERENTIAL CORRECTIONS

TDE 1.0757 TRA-1.3811 TC3-3.7986 BAU .8659
 RDE .0721 RRA .0326 RC3 .1040 FAU .08416
 FDE 1.3329 FRA -.3896 FC3-4.2745 BSP 12524
 BDE 1.0782 BRA 1.3814 BC3 3.8000 FSP -1162

MID-COURSE EXECUTION ACCURACY

SGT 3979.5 SGR 139.6 SG3 347.5
 RRT -.3765 RRF -.2551 RTF .9306
 SGB 3981.9 R23 -.1032 R13 -.9305
 SG1 3979.8 SG2 129.3 THA 179.24

ORBIT DETERMINATION ACCURACY

ST 1605.3 SR 101.0 SS 733.7
 CRT .8701 CR3 -.9714 CST -.9602
 LSA 1757.4 MSA 192.7 SSA 7.6
 EL1 1607.7 EL2 49.7 ALF 3.14

LAUNCH DATE DEC 12 1965 FLIGHT TIME 142.00 ARRIVAL DATE MAY 3 1966

MELIOCENTRIC CONIC
 RL 147.28 LAL -.00 LOL 79.76 VL 27.512 GAL -4.88 AZL 86.10 MCA 201.54 SMA 126.96 ECC .18069 INC 3.8964 V1 30.250
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.327 GAP 6.43 A7P 93.63 TAL 203.19 TAP 44.73 RCA 104.02 APO 149.90 V2 34.816
 RC 133.236 GL 27.30 GP -4.34 ZAL 121.92 ZAP 150.45 ETS 350.30 ZAE 132.53 ETE 184.95 ZAC 48.46 ETC 154.64 CLP-150.75

PLANETOCENTRIC CONIC
 C3 16.494 VHL 4.061 OLA 9.40 RAL 308.10 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 4.669 DPA -24.47 RAP 314.89 ECC 1.2715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 52 2465.12 -24.75 58.00 169.06 104.21 2 1 57 1865.1 -22.56 50.02
 90.00 15 41 36 4517.66 10.10 189.90 165.30 63.41 16 56 54 3917.7 6.45 183.12
 100.00 2 46 49 2187.91 -25.83 37.29 168.74 105.59 3 23 17 1587.9 -23.44 29.31
 100.00 16 58 20 4270.11 11.10 171.17 164.78 62.06 18 9 30 3670.1 7.27 164.47
 110.00 4 5 32 1941.54 -28.70 17.57 167.72 109.42 4 37 54 1341.5 -25.78 9.60
 110.00 17 56 6 4089.24 13.71 155.92 163.25 58.38 19 4 15 3489.2 9.43 149.44

MID-COURSE EXECUTION ACCURACY
 SGT 4108.5 SGR 161.9 SG3 337.8
 RRT -.4276 RRF -.3448 RTF .9309
 SGB 4111.7 R23 -.0595 R13 -.9309
 SG1 4109.1 SG2 146.3 THA 179.03

ORBIT DETERMINATION ACCURACY
 ST 1632.1 SR 109.3 SS 715.3
 CRT .8870 CRS -.9789 CST -.9596
 LSA 1775.1 MSA 190.9 SSA 9.1
 EL1 1635.0 EL2 50.4 ALF 3.40

DIFFERENTIAL CORRECTIONS
 TOE 1.0799 TRA-1.3451 TC3-4.0570 BAU .8952
 RDE .0770 RRA .0278 RC3 .1395 FAU .08116
 FDE 1.2511 FRA -.3140 FC3-4.2598 BSP 13177
 BDE 1.0826 BRA 1.3454 BC3 4.0594 FSP -1167

LAUNCH DATE DEC 12 1965 FLIGHT TIME 144.00 ARRIVAL DATE MAY 5 1966

MELIOCENTRIC CONIC
 RL 147.28 LAL -.00 LOL 79.76 VL 27.463 GAL -4.61 AZL 86.18 MCA 204.70 SMA 126.64 ECC .18127 INC 3.8243 V1 30.250
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.285 GAP 6.66 A7P 93.48 TAL 201.70 TAP 46.40 RCA 103.68 APO 149.59 V2 34.809
 RC 135.553 GL 27.14 GP -3.72 ZAL 120.23 ZAP 151.96 ETS 351.07 ZAE 132.15 ETE 184.20 ZAC 49.81 ETC 155.92 CLP-152.19

PLANETOCENTRIC CONIC
 C3 16.015 VHL 4.002 OLA 9.76 RAL 309.93 RAD 6567.6 VEL 11.722 PTH 2.07 VHP 4.775 DPA -23.43 RAP 316.54 ECC 1.2636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 14 2470.34 -24.84 58.36 170.53 104.05 2 6 24 1870.3 -22.67 50.36
 90.00 15 51 51 4498.97 9.53 188.82 166.72 63.21 17 6 50 3899.0 5.86 182.06
 100.00 2 51 23 2192.48 -25.92 37.61 170.22 105.44 3 27 55 1592.5 -23.54 29.61
 100.00 17 8 23 4252.03 10.52 170.15 166.20 61.86 18 19 15 3652.0 6.68 163.47
 110.00 4 10 34 1944.70 -28.77 17.79 169.21 109.31 4 42 58 1344.7 -25.87 9.81
 110.00 18 5 41 4072.61 13.11 155.00 164.67 58.15 19 13 34 3472.6 8.81 148.55

MID-COURSE EXECUTION ACCURACY
 SGT 4175.8 SGR 184.0 SG3 321.3
 RRT -.4262 RRF -.3518 RTF .9250
 SGB 4179.8 R23 -.0476 R13 -.9249
 SG1 4176.5 SG2 166.4 THA 178.92

ORBIT DETERMINATION ACCURACY
 ST 1710.5 SR 119.7 SS 734.4
 CRT .9128 CRS -.9883 CST -.9597
 LSA 1855.0 MSA 195.5 SSA 10.0
 EL1 1714.0 EL2 48.8 ALF 3.66

DIFFERENTIAL CORRECTIONS
 TOE 1.1283 TRA-1.2685 TC3-4.2243 BAU .9052
 RDE .0833 RRA .0221 RC3 .1704 FAU .07527
 FDE 1.2402 FRA -.1807 FC3-4.0692 BSP 12980
 BDE 1.1314 BRA 1.2687 BC3 4.2277 FSP -1042

LAUNCH DATE DEC 12 1965 FLIGHT TIME 146.00 ARRIVAL DATE MAY 7 1966

MELIOCENTRIC CONIC
 RL 147.28 LAL -.00 LOL 79.76 VL 27.413 GAL -4.33 AZL 86.23 MCA 207.87 SMA 126.31 ECC .18196 INC 3.7676 V1 30.250
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.243 GAP 6.88 A7P 93.33 TAL 200.18 TAP 48.05 RCA 103.33 APO 149.29 V2 34.804
 RC 137.863 GL 27.06 GP -3.25 ZAL 118.40 ZAP 153.39 ETS 351.68 ZAE 131.79 ETE 183.61 ZAC 51.29 ETC 157.02 CLP-153.57

PLANETOCENTRIC CONIC
 C3 15.595 VHL 3.949 OLA 10.25 RAL 311.84 RAD 6567.6 VEL 11.704 PTH 2.06 VHP 4.884 DPA -22.50 RAP 318.27 ECC 1.2566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 57 2480.11 -25.00 59.03 172.17 103.75 2 10 17 1880.1 -22.86 51.01
 90.00 16 3 21 4477.16 8.86 187.57 168.26 63.00 17 17 58 3877.2 5.17 180.83
 100.00 2 55 22 2201.38 -26.08 38.22 171.87 105.16 3 32 4 1601.4 -23.74 30.20
 100.00 17 19 37 4231.12 9.84 168.96 167.74 61.63 18 30 8 3631.1 5.98 162.30
 110.00 4 15 9 1951.72 -28.93 18.27 170.88 109.06 4 47 41 1351.7 -26.06 10.27
 110.00 18 16 19 4053.54 12.42 153.95 166.20 57.90 19 23 53 3453.5 8.10 147.53

MID-COURSE EXECUTION ACCURACY
 SGT 4281.2 SGR 204.0 SG3 310.4
 RRT -.4169 RRF -.3593 RTF .9237
 SGB 4286.1 R23 -.0291 R13 -.9236
 SG1 4282.1 SG2 185.4 THA 178.86

ORBIT DETERMINATION ACCURACY
 ST 1767.1 SR 131.1 SS 733.0
 CRT .9315 CRS -.9930 CST -.9603
 LSA 1907.7 MSA 194.2 SSA 11.2
 EL1 1771.4 EL2 47.5 ALF 3.96

DIFFERENTIAL CORRECTIONS
 TOE 1.1585 TRA-1.2103 TC3-4.4441 BAU .9274
 RDE .0902 RRA .0153 RC3 .1962 FAU .07168
 FDE 1.1952 FRA -.0989 FC3-3.9792 BSP 13360
 BDE 1.1620 BRA 1.2103 BC3 4.4484 FSP -1012

LAUNCH DATE DEC 12 1965 FLIGHT TIME 148.00 ARRIVAL DATE MAY 9 1966

MELIOCENTRIC CONIC
 RL 147.28 LAL -.00 LOL 79.76 VL 27.364 GAL -4.04 AZL 86.28 MCA 211.03 SMA 125.98 ECC .18275 INC 3.7216 V1 30.250
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.202 GAP 7.10 A7P 93.19 TAL 198.64 TAP 49.67 RCA 102.96 APO 149.01 V2 34.799
 RC 140.164 GL 27.01 GP -2.87 ZAL 116.44 ZAP 154.74 ETS 352.17 ZAE 131.47 ETE 183.14 ZAC 52.88 ETC 157.99 CLP-154.89

PLANETOCENTRIC CONIC
 C3 15.225 VHL 3.902 OLA 10.82 RAL 313.84 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 4.995 DPA -21.64 RAP 320.07 ECC 1.2506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 14 2493.61 -25.22 59.96 173.98 103.33 2 13 47 1893.6 -23.13 51.91
 90.00 16 15 59 4452.85 8.11 186.18 169.94 62.78 17 30 12 3852.8 4.39 179.47
 100.00 2 58 59 2213.82 -26.29 39.08 173.68 104.76 3 35 52 1613.8 -24.01 31.03
 100.00 17 31 55 4207.87 9.09 167.64 169.41 61.40 18 42 3 3607.9 5.20 161.01
 110.00 4 19 29 1961.89 -29.15 18.98 172.71 108.69 4 52 11 1361.9 -26.33 10.94
 110.00 18 27 54 4032.56 11.66 152.80 167.87 57.64 19 35 6 3432.6 7.31 146.41

MID-COURSE EXECUTION ACCURACY
 SGT 4386.2 SGR 222.8 SG3 300.2
 RRT -.3994 RRF -.3557 RTF .9228
 SGB 4391.8 R23 -.0149 R13 -.9228
 SG1 4387.1 SG2 204.2 THA 178.84

ORBIT DETERMINATION ACCURACY
 ST 1828.6 SR 143.0 SS 732.7
 CRT .9478 CRS -.9955 CST -.9614
 LSA 1965.8 MSA 192.0 SSA 12.3
 EL1 1833.7 EL2 45.5 ALF 4.24

DIFFERENTIAL CORRECTIONS
 TOE 1.1928 TRA-1.1464 TC3-4.6615 BAU .9498
 RDE .0973 RRA .0079 RC3 .2185 FAU .06834
 FDE 1.1546 FRA -.0240 FC3-3.8860 BSP 13766
 BDE 1.1967 BRA 1.1465 BC3 4.6666 FSP -987

LAUNCH DATE DEC 12 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 441.542

RL 147.28 LAL -1.00 LOL 79.76 VL 27.315 GAL -3.74 AZL 86.32 HCA 214.19 SMA 125.66 ECC .18367 INC 3.6835 V1 30.250
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.162 GAP 7.32 ATP 93.05 TAL 197.08 TAP 51.28 RCA 102.58 APO 148.74 V2 34.795
 RC 142.456 GL 26.98 GP -2.57 ZAL 114.36 ZAP 156.02 ETS 352.58 ZAE 131.18 ETE 182.76 ZAC 54.56 ETC 158.86 CLP-156.15

PLANETOCENTRIC CONIC

C3 14.902 VHL 3.860 CLA 11.47 RAL 315.92 RAD 6567.6 VEL 11.674 PTH 2.05 VMP 5.108 DPA -20.81 RAP 321.94 ECC 1.2452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 12 2510.35 -25.47 61.12 175.96 102.80 2 17 2 1910.4 -23.46 53.03
 90.00 16 29 39 4426.51 7.28 184.68 171.76 62.56 17 43 26 3826.5 3.55 177.99
 100.00 3 2 20 2229.34 -26.56 40.16 175.67 104.25 3 39 29 1629.3 -24.34 32.06
 100.00 17 45 12 4182.76 8.27 166.23 171.23 61.17 18 54 55 3582.8 4.36 159.63
 110.00 4 23 41 1974.78 -29.43 19.88 174.72 108.23 4 56 36 1374.8 -26.66 11.79
 110.00 18 40 21 4010.07 10.84 151.58 169.68 57.38 19 47 11 3410.1 6.46 145.22

DIFFERENTIAL CORRECTIONS

TDE 1.2345 TRA -1.0729 TC3-4.8649 BAU .9704
 RDE .1046 RRA -.0000 RC3 .2379 FAU .06495
 FDE 1.1225 FRA .0505 FC3-3.7732 BSP 14099
 BDE 1.2389 BRA 1.0729 BC3 4.8707 FSP -955

MID-COURSE EXECUTION ACCURACY

SGT 4483.8 SGR 240.5 SG3 290.0
 RRT -.3759 RRF -.3424 RTF .9215
 SGB 4490.3 R23 -.0053 R13 -.9215
 SG1 4484.7 SG2 222.8 TMA 178.84

ORBIT DETERMINATION ACCURACY

ST 1899.3 SR 155.4 SS 736.4
 CRT .9620 CRS -.9960 CST -.9628
 LSA 2034.2 MSA 189.5 SSA 13.4
 EL1 1905.2 EL2 42.3 ALF 4.50

LAUNCH DATE DEC 12 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 447.393

RL 147.28 LAL -1.00 LOL 79.76 VL 27.265 GAL -3.44 AZL 86.35 HCA 217.36 SMA 125.34 ECC .18470 INC 3.6510 V1 30.250
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.123 GAP 7.55 ATP 92.90 TAL 195.50 TAP 52.86 RCA 102.19 APO 148.49 V2 34.791
 RC 144.737 GL 26.95 GP -2.32 ZAL 112.17 ZAP 157.25 ETS 352.92 ZAE 130.93 ETE 182.45 ZAC 56.33 ETC 159.65 CLP-157.36

PLANETOCENTRIC CONIC

C3 14.626 VHL 3.824 CLA 12.17 RAL 318.10 RAD 6567.6 VEL 11.662 PTH 2.05 VMP 5.224 DPA -20.01 RAP 323.85 ECC 1.2407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 58 2530.00 -25.76 62.48 178.10 102.18 2 20 8 1930.0 -23.83 54.35
 90.00 16 44 18 4398.52 6.40 183.10 173.73 62.36 17 57 37 3798.5 2.65 176.43
 100.00 3 5 31 2247.59 -26.86 41.43 177.82 103.64 3 42 59 1647.6 -24.71 33.29
 100.00 17 59 25 4156.16 7.39 164.74 173.19 60.95 19 8 42 3556.2 3.46 158.16
 110.00 4 27 49 1990.09 -29.75 20.96 176.90 107.66 5 0 59 1390.1 -27.05 12.81
 110.00 18 53 37 3986.43 9.97 150.30 171.63 57.13 20 0 3 3386.4 5.57 143.97

DIFFERENTIAL CORRECTIONS

TDE 1.2808 TRA -.9916 TC3-5.0589 BAU .9904
 RDE .1119 RRA -.0083 RC3 .2544 FAU .06172
 FDE 1.0945 FRA .1209 FC3-3.6533 BSP 14427
 BDE 1.2857 BRA .9916 BC3 5.0653 FSP -925

MID-COURSE EXECUTION ACCURACY

SGT 4578.7 SGR 257.2 SG3 280.4
 RRT -.3498 RRF -.3248 RTF .9205
 SGB 4585.9 R23 .0021 R13 -.9205
 SG1 4579.6 SG2 240.9 TMA 178.87

ORBIT DETERMINATION ACCURACY

ST 1975.7 SR 167.8 SS 741.5
 CRT .9736 CRS -.9947 CST -.9646
 LSA 2108.7 MSA 186.2 SSA 14.5
 EL1 1982.5 EL2 38.2 ALF 4.73

LAUNCH DATE DEC 12 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 453.251

RL 147.28 LAL -1.00 LOL 79.76 VL 27.216 GAL -3.12 AZL 86.38 HCA 220.52 SMA 125.03 ECC .18586 INC 3.6230 V1 30.250
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.084 GAP 7.77 ATP 92.76 TAL 193.91 TAP 54.43 RCA 101.79 APO 148.27 V2 34.788
 RC 147.008 GL 26.91 GP -2.12 ZAL 109.87 ZAP 158.42 ETS 353.21 ZAE 130.71 ETE 182.18 ZAC 58.15 ETC 160.37 CLP-158.52

PLANETOCENTRIC CONIC

C3 14.397 VHL 3.794 CLA 12.93 RAL 320.39 RAD 6567.6 VEL 11.653 PTH 2.05 VMP 5.343 DPA -19.21 RAP 325.81 ECC 1.2369
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 35 2552.34 -26.07 64.04 180.41 101.45 2 23 7 1952.3 -24.23 55.86
 90.00 16 59 53 4369.18 5.47 181.44 175.86 62.17 18 12 42 3769.2 1.71 174.79
 100.00 3 8 37 2268.38 -27.18 42.89 180.14 102.94 3 46 26 1668.4 -25.13 34.69
 100.00 18 14 32 4128.36 6.47 163.19 175.31 60.75 19 23 20 3528.4 2.52 156.63
 110.00 4 31 58 2007.62 -30.11 22.20 179.25 107.01 5 5 25 1407.6 -27.49 13.99
 110.00 19 7 41 3961.89 9.06 148.98 173.73 56.90 20 13 43 3361.9 4.64 142.68

DIFFERENTIAL CORRECTIONS

TDE 1.3342 TRA -.8993 TC3-5.2318 BAU 1.0083
 RDE .1192 RRA -.0168 RC3 .2680 FAU .05844
 FDE 1.0725 FRA .1914 FC3-3.5142 BSP 14680
 BDE 1.3396 BRA .8994 BC3 5.2386 FSP -889

MID-COURSE EXECUTION ACCURACY

SGT 4665.1 SGR 272.9 SG3 270.8
 RRT -.3209 RRF -.3022 RTF .9191
 SGB 4673.0 R23 .0067 R13 -.9191
 SG1 4665.9 SG2 258.4 TMA 178.92

ORBIT DETERMINATION ACCURACY

ST 2051.1 SR 180.3 SS 749.6
 CRT .9828 CRS -.9917 CST -.9666
 LSA 2193.0 MSA 182.8 SSA 15.4
 EL1 2068.7 EL2 33.1 ALF 4.92

LAUNCH DATE DEC 12 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 459.056

RL 147.28 LAL -1.00 LOL 79.76 VL 27.167 GAL -2.79 AZL 86.40 HCA 223.68 SMA 124.72 ECC .18717 INC 3.5983 V1 30.250
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.046 GAP 7.99 ATP 92.60 TAL 192.29 TAP 55.97 RCA 101.37 APO 148.06 V2 34.786
 RC 149.266 GL 26.85 GP -1.95 ZAL 107.47 ZAP 159.56 ETS 353.46 ZAE 130.52 ETE 181.96 ZAC 60.04 ETC 161.03 CLP-159.64

PLANETOCENTRIC CONIC

C3 14.217 VHL 3.771 CLA 13.74 RAL 322.77 RAD 6567.6 VEL 11.645 PTH 2.04 VMP 5.464 DPA -18.41 RAP 327.80 ECC 1.2340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 6 2577.20 -26.40 65.79 182.89 100.64 2 26 3 1977.2 -24.66 57.55
 90.00 17 16 22 4358.76 4.50 179.73 178.15 62.01 18 28 41 3758.8 .72 173.09
 100.00 3 11 41 2291.54 -27.53 44.53 182.64 102.14 3 49 52 1691.5 -25.57 36.27
 100.00 18 30 29 4099.65 5.51 161.60 177.60 60.57 19 38 49 3499.7 1.55 155.05
 110.00 4 36 10 2027.20 -30.49 23.59 181.78 106.26 5 9 57 1427.2 -27.96 15.31
 110.00 19 22 29 3936.76 8.12 147.64 175.99 56.68 20 28 6 3336.8 3.68 141.37

DIFFERENTIAL CORRECTIONS

TDE 1.3891 TRA -.8016 TC3-5.3968 BAU 1.0271
 RDE .1266 RRA -.0254 RC3 .2788 FAU .05548
 FDE 1.0498 FRA .2547 FC3-3.3782 BSP 14984
 BDE 1.3948 BRA .8020 BC3 5.4040 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 4753.0 SGR 287.8 SG3 262.0
 RRT -.2923 RRF -.2802 RTF .9184
 SGB 4761.7 R23 .0114 R13 -.9184
 SG1 4753.7 SG2 275.1 TMA 178.98

ORBIT DETERMINATION ACCURACY

ST 2147.5 SR 192.9 SS 756.0
 CRT .9894 CRS -.9875 CST -.9687
 LSA 2277.8 MSA 178.5 SSA 16.4
 EL1 2156.0 EL2 27.8 ALF 5.08

LAUNCH DATE DEC 12 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 464.866

RL 147.28 LAL -0.00 LOL 79.76 VL 27.119 GAL -2.45 AZL 86.42 MCA 226.84 SMA 124.41 ECC .18861 INC 3.5763 V1 30.250
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.009 GAP 8.22 AZP 92.45 TAL 190.66 TAP 57.50 RCA 100.94 APO 147.87 V2 34.785
 RC 151.511 GL 26.76 GP -1.80 ZAL 104.96 ZAP 160.65 ETS 353.68 ZAE 130.36 ETE 181.77 ZAC 61.98 ETC 161.64 CLP-160.73

PLANETOCENTRIC CONIC

C3 14.089 VHL 3.754 DLA 14.57 RAL 325.25 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 5.588 DPA -17.60 RAP 329.82 ECC 1.2319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 35 2604.46 -26.73 67.72 185.56 99.72 2 28 59 2004.5 -25.11 59.43
 90.00 17 33 43 4307.52 3.50 177.98 180.62 61.88 18 45 31 3707.5 -2.28 171.35
 100.00 3 14 44 2316.93 -27.88 46.33 185.32 101.25 3 53 21 1716.9 -26.04 38.01
 100.00 18 47 15 4070.29 4.53 159.98 180.06 60.42 19 55 5 3470.3 .55 153.44
 110.00 4 40 27 2048.72 -30.89 25.14 184.50 105.42 5 14 36 1448.7 -28.47 16.78
 110.00 19 38 1 3911.27 7.17 146.29 178.43 56.49 20 43 12 3311.3 2.71 140.03

DIFFERENTIAL CORRECTIONS

TOE 1.4479 TRA -.6957 TC3-5.5445 BAU 1.0458
 RDE .1341 RRA -.0340 RC3 .2867 FAU .05268
 FDE 1.0289 FRA .3145 FC3-3.2372 BSP 15291
 BOE 1.4541 BRA .6965 BC3 5.5519 FSP -837

MID-COURSE EXECUTION ACCURACY

SGT 4838.8 SGR 301.8 SG3 253.6
 RRT -.2633 RRF -.2575 RTF .9181
 SGB 4848.2 R23 .0154 R13 -.9181
 SG1 4839.4 SG2 291.1 TMA 179.06

ORBIT DETERMINATION ACCURACY

ST 2238.0 SR 205.4 SS 762.5
 CRT .9938 CRS -.9821 CST -.9708
 LSA 2366.8 MSA 173.8 SSA 17.3
 EL1 2247.3 EL2 22.8 ALF 5.21

LAUNCH DATE DEC 12 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 470.663

RL 147.28 LAL -0.00 LOL 79.76 VL 27.070 GAL -2.10 AZL 86.44 MCA 230.00 SMA 124.10 ECC .19022 INC 3.5566 V1 30.250
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.973 GAP 8.45 AZP 92.29 TAL 189.01 TAP 59.02 RCA 100.50 APO 147.71 V2 34.784
 RC 153.743 GL 26.63 GP -1.67 ZAL 102.36 ZAP 161.70 ETS 353.87 ZAE 130.22 ETE 181.61 ZAC 63.97 ETC 162.20 CLP-161.77

PLANETOCENTRIC CONIC

C3 14.018 VHL 3.744 DLA 15.43 RAL 327.84 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 5.716 DPA -16.78 RAP 331.86 ECC 1.2307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 2 2634.02 -27.05 69.82 188.40 98.71 2 31 56 2034.0 -25.57 61.47
 90.00 17 51 54 4275.72 2.48 176.21 183.27 61.78 19 3 10 3675.7 -1.31 169.58
 100.00 3 17 50 2344.44 -28.23 48.30 188.18 100.27 3 56 54 1744.4 -26.52 39.92
 100.00 19 4 48 4040.53 3.53 158.34 182.69 60.30 20 12 8 3440.5 -.45 151.81
 110.00 4 44 53 2072.05 -31.30 26.84 187.40 104.50 5 19 25 1472.0 -28.99 18.39
 110.00 19 54 14 3885.69 6.20 144.93 181.03 56.32 20 58 59 3285.7 1.73 138.70

DIFFERENTIAL CORRECTIONS

TOE 1.5107 TRA -.5805 TC3-5.6659 BAU 1.0632
 RDE .1418 RRA -.0425 RC3 .2915 FAU .04991
 FDE 1.0099 FRA .3725 FC3-3.0828 BSP 15586
 BDE 1.5174 BRA .5820 BC3 5.6734 FSP -813

MID-COURSE EXECUTION ACCURACY

SGT 4918.8 SGR 315.1 SG3 245.4
 RRT -.2338 RRF -.2331 RTF .9178
 SGB 4928.9 R23 .0181 R13 -.9178
 SG1 4919.3 SG2 306.3 TMA 179.14

ORBIT DETERMINATION ACCURACY

ST 2331.9 SR 218.0 SS 769.0
 CRT .9961 CRS -.9758 CST -.9729
 LSA 2459.2 MSA 169.2 SSA 18.1
 EL1 2341.9 EL2 19.2 ALF 5.32

LAUNCH DATE DEC 12 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 476.445

RL 147.28 LAL -0.00 LOL 79.76 VL 27.022 GAL -1.74 AZL 86.46 MCA 233.17 SMA 123.80 ECC .19199 INC 3.5385 V1 30.250
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.938 GAP 8.68 AZP 92.12 TAL 187.35 TAP 60.52 RCA 100.03 APO 147.57 V2 34.784
 RC 155.962 GL 26.45 GP -1.56 ZAL 99.66 ZAP 162.72 ETS 354.02 ZAE 130.11 ETE 181.48 ZAC 65.99 ETC 162.71 CLP-162.79

PLANETOCENTRIC CONIC

C3 14.006 VHL 3.742 DLA 16.31 RAL 330.53 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 5.847 DPA -15.95 RAP 333.93 ECC 1.2305
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 31 2665.74 -27.36 72.10 191.43 97.62 2 34 57 2065.7 -26.02 63.68
 90.00 18 10 52 4243.64 1.45 174.41 186.10 61.72 19 21 36 3643.6 -2.34 167.79
 100.00 3 21 0 2373.94 -28.57 50.43 191.22 99.20 4 0 34 1773.9 -27.00 41.98
 100.00 19 23 4 4010.67 2.52 156.69 185.50 60.20 20 29 55 3410.7 -1.47 150.17
 110.00 4 49 30 2097.06 -31.71 28.67 190.49 103.49 5 24 27 1497.1 -29.53 20.14
 110.00 20 11 4 3860.32 5.24 143.60 183.81 56.17 21 15 24 3260.3 .76 137.37

DIFFERENTIAL CORRECTIONS

TOE 1.5770 TRA -.4571 TC3-5.7639 BAU 1.0807
 RDE .1497 RRA -.0509 RC3 .2933 FAU .04733
 FDE .9919 FRA .4268 FC3-2.9253 BSP 15862
 BDE 1.5841 BRA .4599 BC3 5.7714 FSP -789

MID-COURSE EXECUTION ACCURACY

SGT 4997.3 SGR 327.6 SG3 237.6
 RRT -.2044 RRF -.2086 RTF .9180
 SGB 5008.0 R23 .0206 R13 -.9180
 SG1 4997.8 SG2 320.6 TMA 179.23

ORBIT DETERMINATION ACCURACY

ST 2427.6 SR 230.5 SS 774.8
 CRT .9965 CRS -.9689 CST -.9750
 LSA 2553.3 MSA 164.5 SSA 18.9
 EL1 2438.5 EL2 19.1 ALF 5.41

LAUNCH DATE DEC 12 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 482.212

RL 147.28 LAL -0.00 LOL 79.76 VL 26.974 GAL -1.36 AZL 86.48 MCA 236.33 SMA 123.50 ECC .19394 INC 3.5219 V1 30.250
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.904 GAP 8.92 AZP 91.95 TAL 185.68 TAP 62.00 RCA 99.55 APO 147.45 V2 34.785
 RC 158.168 GL 26.22 GP -1.46 ZAL 96.89 ZAP 163.70 ETS 354.16 ZAE 130.02 ETE 181.36 ZAC 68.06 ETC 163.19 CLP-163.77

PLANETOCENTRIC CONIC

C3 14.060 VHL 3.750 DLA 17.19 RAL 333.31 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 5.983 DPA -15.10 RAP 336.01 ECC 1.2314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 2 2699.52 -27.64 74.53 194.63 96.43 2 38 2 2099.5 -26.46 66.06
 90.00 18 30 34 4211.55 .41 172.62 189.11 61.69 19 40 46 3611.6 -3.38 165.99
 100.00 3 24 16 2405.30 -28.89 52.70 194.45 98.05 4 4 22 1805.3 -27.47 44.19
 100.00 19 42 1 3981.00 1.51 155.06 188.50 60.14 20 48 22 3381.0 -2.47 148.54
 110.00 4 54 18 2123.63 -32.12 30.64 193.77 102.39 5 29 42 1523.6 -30.08 22.02
 110.00 20 28 29 3835.44 4.30 142.29 186.76 56.06 21 32 24 3235.4 -.19 136.08

DIFFERENTIAL CORRECTIONS

TOE 1.6507 TRA -.3201 TC3-5.8198 BAU 1.0953
 RDE .1580 RRA -.0590 RC3 .2918 FAU .04463
 FDE .9794 FRA .4832 FC3-2.7481 BSP 16058
 BDE 1.6582 BRA .3255 BC3 5.8271 FSP -760

MID-COURSE EXECUTION ACCURACY

SGT 5066.8 SGR 339.2 SG3 230.0
 RRT -.1734 RRF -.1802 RTF .9175
 SGB 5078.1 R23 .0208 R13 -.9175
 SG1 5067.1 SG2 334.0 TMA 179.33

ORBIT DETERMINATION ACCURACY

ST 2530.4 SR 243.1 SS 783.5
 CRT .9953 CRS -.9614 CST -.9771
 LSA 2655.1 MSA 160.6 SSA 19.5
 EL1 2541.9 EL2 23.3 ALF 5.46

LAUNCH DATE DEC 12 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 487.963

RL 147.28 LAL -1.00 LOL 79.76 VL 26.927 GAL -1.97 AZL 86.49 MCA 239.49 SMA 123.21 ECC .19607 INC 3.5065 V1 30.250
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.871 GAP 9.16 AZP 91.78 TAL 183.99 TAP 63.48 RCA 99.05 APO 147.37 V2 34.787
 RC 160.359 GL 25.93 GP -1.38 ZAL 94.04 ZAP 164.66 ETS 354.26 ZAE 129.95 ETE 181.26 ZAC 70.16 ETC 163.63 CLP-164.72

PLANETOCENTRIC CONIC

C3 14.185 VHL 3.766 DLA 18.07 RAL 336.19 RAD 6567.6 VEL 11.643 PTH 2.04 VHP 6.124 DPA -14.24 RAP 338.11 ECC 1.2335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 38 2735.17 -27.88 77.11 198.01 95.16 2 41 14 2135.2 -26.67 68.58
 90.00 18 50 54 4179.81 -.61 170.86 192.31 61.69 20 0 34 3579.8 -4.39 164.21
 100.00 3 27 41 2438.33 -29.18 55.12 197.86 96.81 4 8 20 1838.3 -27.93 46.54
 100.00 20 1 33 3951.88 .52 153.47 191.67 60.11 21 7 24 3351.9 -3.46 146.94
 110.00 4 59 21 2151.58 -32.51 32.72 197.24 101.21 5 35 12 1551.6 -30.62 24.01
 110.00 20 46 23 3811.40 3.38 141.03 189.89 55.96 21 49 54 3211.4 -1.11 134.82

DIFFERENTIAL CORRECTIONS

TOE 1.7226 TRA -1.782 TC3-5.8547 BAU 1.1116
 ROE .1668 RRA -.0667 RC3 .2873 FAU .04223
 FDE .9627 FRA .5330 FC3-2.5771 BSP 16341
 BDE 1.7306 BRA .1903 BC3 5.8617 FSP -741

MID-COURSE EXECUTION ACCURACY

SGT 5137.8 SGR 350.1 SG3 222.6
 RRT -.1441 RRF -.1547 RTF .9181
 SGB 5149.8 R23 .0220 R13 -.9181
 SGI 5138.1 SG2 346.5 TMA 179.43

ORBIT DETERMINATION ACCURACY

ST 2625.2 SR 255.8 SS 787.2
 CRT .9928 CR3 -.9338 CST -.9789
 LSA 2748.1 MSA 156.6 S5A 20.1
 EL1 2637.5 EL2 30.4 ALF 5.53

LAUNCH DATE DEC 12 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 493.697

RL 147.28 LAL -1.00 LOL 79.76 VL 26.880 GAL -1.57 AZL 86.51 MCA 242.65 SMA 122.92 ECC .19842 INC 3.4921 V1 30.250
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.838 GAP 9.41 AZP 91.61 TAL 182.30 TAP 64.99 RCA 98.53 APO 147.31 V2 34.789
 RC 162.536 GL 25.57 GP -1.30 ZAL 91.13 ZAP 165.60 ETS 354.34 ZAE 129.90 ETE 181.18 ZAC 72.28 ETC 164.04 CLP-165.66

PLANETOCENTRIC CONIC

C3 14.389 VHL 3.793 DLA 18.93 RAL 339.15 RAD 6567.6 VEL 11.652 PTH 2.05 VHP 6.270 DPA -13.36 RAP 340.22 ECC 1.2368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 21 2772.52 -28.08 79.82 201.56 93.81 2 44 34 2172.5 -27.26 71.25
 90.00 19 11 48 4148.75 -1.62 169.12 195.68 61.73 20 20 57 3548.7 -5.38 162.47
 100.00 3 31 17 2472.86 -29.43 57.65 201.44 95.50 4 12 30 1872.9 -28.36 49.01
 100.00 20 21 34 3923.64 -.43 151.92 195.03 60.11 21 26 58 3323.6 -4.41 145.38
 110.00 5 4 39 2180.74 -32.87 34.92 200.89 99.96 5 41 0 1580.7 -31.15 26.12
 110.00 21 4 41 3788.53 2.51 139.83 193.19 55.90 22 7 50 3188.5 -1.98 135.63

DIFFERENTIAL CORRECTIONS

TOE 1.7963 TRA -.0255 TC3-5.8542 BAU 1.1274
 ROE .1762 RRA -.0739 RC3 .2797 FAU .03996
 FDE .9453 FRA .5819 FC3-2.4045 BSP 16614
 BDE 1.8049 BRA .0782 BC3 5.8609 FSP -722

MID-COURSE EXECUTION ACCURACY

SGT 5204.6 SGR 360.3 SG3 215.7
 RRT -.1150 RRF -.1299 RTF .9190
 SGB 5217.1 R23 .0238 R13 -.9190
 SGI 5204.8 SG2 357.9 TMA 179.54

ORBIT DETERMINATION ACCURACY

ST 2716.5 SR 268.6 SS 788.6
 CRT .9892 CR3 -.9458 CST -.9806
 LSA 2837.2 MSA 153.4 S5A 20.5
 EL1 2729.5 EL2 39.1 ALF 5.59

LAUNCH DATE DEC 12 1965

FLIGHT TIME 170.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 499.412

RL 147.28 LAL -1.00 LOL 79.76 VL 26.833 GAL -1.15 AZL 86.52 MCA 245.81 SMA 122.64 ECC .20098 INC 3.4784 V1 30.250
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.807 GAP 9.67 AZP 91.43 TAL 180.59 TAP 66.40 RCA 97.99 APO 147.28 V2 34.792
 RC 164.699 GL 25.15 GP -1.24 ZAL 88.18 ZAP 166.51 ETS 354.39 ZAE 129.87 ETE 181.11 ZAC 74.44 ETC 164.42 CLP-166.57

PLANETOCENTRIC CONIC

C3 14.678 VHL 3.831 DLA 19.77 RAL 342.18 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 6.422 DPA -12.47 RAP 342.34 ECC 1.2416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 13 2811.36 -28.22 82.65 205.27 92.40 2 48 4 2211.4 -27.59 74.04
 90.00 19 33 9 4118.75 -2.58 167.45 199.23 61.79 20 41 48 3518.8 -6.33 160.78
 100.00 3 35 5 2508.66 -29.63 60.29 205.18 94.12 4 16 54 1908.7 -28.75 51.60
 100.00 20 41 58 3896.68 -1.35 150.44 198.55 60.14 21 46 55 3296.7 -5.31 143.89
 110.00 5 10 15 2210.90 -33.20 37.21 204.71 98.64 5 47 6 1610.9 -31.65 28.33
 110.00 21 23 17 3767.21 1.70 138.72 196.65 55.85 22 26 4 3167.2 -2.79 132.52

DIFFERENTIAL CORRECTIONS

TOE 1.8690 TRA .1297 TC3-5.8407 BAU 1.1473
 ROE .1864 RRA -.0803 RC3 .2692 FAU .03827
 FDE .9271 FRA .6213 FC3-2.2575 BSP 17053
 BDE 1.8783 BRA .1527 BC3 5.8469 FSP -724

MID-COURSE EXECUTION ACCURACY

SGT 5280.6 SGR 369.6 SG3 209.7
 RRT -.0874 RRF -.1078 RTF .9224
 SGB 5293.5 R23 .0269 R13 -.9224
 SGI 5280.7 SG2 368.2 TMA 179.65

ORBIT DETERMINATION ACCURACY

ST 2799.0 SR 281.4 SS 787.1
 CRT .9850 CR3 -.9386 CST -.9823
 LSA 2917.3 MSA 149.9 S5A 20.8
 EL1 2812.7 EL2 48.4 ALF 5.66

LAUNCH DATE DEC 12 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 505.109

RL 147.28 LAL -1.00 LOL 79.76 VL 26.787 GAL -.29 AZL 86.53 MCA 248.97 SMA 122.35 ECC .20378 INC 3.4654 V1 30.250
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.777 GAP 9.94 AZP 91.24 TAL 178.88 TAP 67.85 RCA 97.42 APO 147.29 V2 34.796
 RC 166.847 GL 24.66 GP -1.18 ZAL 85.19 ZAP 167.40 ETS 354.41 ZAE 129.85 ETE 181.06 ZAC 76.62 ETC 164.77 CLP-167.46

PLANETOCENTRIC CONIC

C3 15.062 VHL 3.881 DLA 20.59 RAL 345.28 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 6.580 DPA -11.56 RAP 344.47 ECC 1.2479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 15 2851.47 -28.30 85.58 209.13 90.93 2 51 47 2251.5 -27.87 76.95
 90.00 19 54 50 4090.17 -3.50 165.85 202.95 61.88 21 3 0 3490.2 -7.23 159.16
 100.00 3 39 8 2543.51 -29.78 63.02 209.08 92.69 4 21 34 1945.5 -29.09 54.29
 100.00 21 2 38 3871.36 -2.21 149.05 202.23 60.18 22 7 9 3271.4 -6.16 142.49
 110.00 5 16 11 2241.87 -33.49 39.58 208.70 97.27 5 53 33 1641.9 -32.13 30.62
 110.00 21 42 4 3747.76 .95 137.71 200.26 55.83 22 44 32 3147.8 -3.54 131.50

DIFFERENTIAL CORRECTIONS

TOE 1.9570 TRA .3153 TC3-5.7249 BAU 1.1539
 ROE .1974 RRA -.0864 RC3 .2563 FAU .03536
 FDE .9204 FRA .6804 FC3-2.0326 BSP 16996
 BDE 1.9670 BRA .3269 BC3 5.7306 FSP -676

MID-COURSE EXECUTION ACCURACY

SGT 5323.6 SGR 378.2 SG3 202.4
 RRT -.0546 RRF -.0724 RTF .9198
 SGB 5337.0 R23 .0219 R13 -.9198
 SGI 5323.6 SG2 377.6 TMA 179.78

ORBIT DETERMINATION ACCURACY

ST 2896.2 SR 294.3 SS 794.3
 CRT .9796 CR3 -.9302 CST -.9836
 LSA 3013.7 MSA 150.1 S5A 20.9
 EL1 2910.5 EL2 58.8 ALF 5.69

LAUNCH DATE DEC 12-1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

RL 147.28 LAL -0.00 LOL 79.76 VL 26.741 GAL .74 AZL 86.55 HCA 252.14 SMA 122.08 ECC .20683 INC 3.4530 V1 30.250
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.748 GAP 10.22 A7P 91.06 TAL 177.16 TAP 69.30 RCA 96.83 APO 147.33 V2 34.800
 RC 168.980 GL 24.10 GP -1.13 ZAL 82.18 ZAP 168.28 ETS 354.40 ZAE 129.84 ETE 181.01 ZAC 78.82 ETC 165.09 CLP-168.33

PLANETOCENTRIC CONIC

C3 15.551 VHL 3.943 DLA 21.35 RAL 348.43 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 6.745 DPA -10.63 RAP 346.61 ECC 1.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 31 2892.53 -28.31 88.59 213.13 89.42 2 55 44 2292.5 -28.09 79.93
 90.00 20 16 41 4063.47 -4.36 164.35 206.82 61.99 21 24 24 3463.5 -8.07 157.64
 100.00 3 43 29 2583.10 -29.87 65.81 213.12 91.22 4 26 32 1983.1 -29.38 57.04
 100.00 21 23 24 3848.13 -2.99 147.77 206.07 60.24 22 27 32 3248.1 -6.93 141.20
 110.00 5 22 28 2273.40 -33.74 42.01 212.84 95.85 6 0 22 1673.4 -32.56 32.97
 110.00 22 0 54 3750.60 .30 136.81 204.01 55.82 23 3 5 3130.6 -4.19 130.60

DIFFERENTIAL CORRECTIONS

TDE 2.0367 TRA .4985 TC3-5.6035 BAU 1.1660
 RDE .2093 RRA -.0915 RC3 .2410 FAU .03321
 FDE .9056 FRA .7231 FC3-1.8489 BSP 17199
 BDE 2.0474 BRA .5069 BC3 5.6087 FSP -655

MID-COURSE EXECUTION ACCURACY

SGT 5375.2 SGR 386.0 SG3 195.7
 RRT -.0246 RRF -.0435 RTF .9212
 SGB 5389.1 R23 .0207 R13 -.9212
 SG1 5375.2 SG2 385.9 TMA 179.90

ORBIT DETERMINATION ACCURACY

ST 2971.3 SR 307.2 SS 782.2
 CRT .9742 CRS -.9230 CST -.9850
 LSA 3086.7 MSA 149.1 SSA 20.8
 EL1 2986.4 EL2 68.9 ALF 5.75

LAUNCH DATE DEC 12 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

RL 147.28 LAL -0.00 LOL 79.76 VL 26.695 GAL 1.21 AZL 86.56 HCA 255.30 SMA 121.81 ECC .21016 INC 3.4409 V1 30.250
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.719 GAP 10.51 A7P 90.87 TAL 175.44 TAP 70.74 RCA 96.21 APO 147.40 V2 34.805
 RC 171.096 GL 23.49 GP -1.08 ZAL 79.16 ZAP 169.13 ETS 354.34 ZAE 129.84 ETE 180.97 ZAC 81.04 ETC 165.39 CLP-169.19

PLANETOCENTRIC CONIC

C3 16.156 VHL 4.019 DLA 22.07 RAL 351.61 RAD 6567.6 VEL 11.728 PTH 2.07 VHP 6.919 DPA -9.69 RAP 348.75 ECC 1.2659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 4 2934.22 -28.25 91.64 217.24 87.90 2 59 58 2334.2 -28.24 82.97
 90.00 20 38 32 4039.10 -5.13 162.98 210.83 62.11 21 45 51 3439.1 -8.83 156.25
 100.00 3 48 10 2621.12 -29.89 68.64 217.28 89.74 4 31 51 2021.1 -29.61 59.85
 100.00 21 44 7 3827.43 -3.69 146.63 210.03 60.32 22 47 54 3227.4 -7.61 140.04
 110.00 5 29 8 2305.25 -33.93 44.48 217.11 94.40 6 7 33 1705.2 -32.95 35.38
 110.00 22 19 38 3716.07 -.26 136.05 207.89 55.82 23 21 34 3116.1 -4.74 129.84

DIFFERENTIAL CORRECTIONS

TDE 2.1167 TRA .6950 TC3-5.4482 BAU 1.1778
 RDE .2223 RRA -.0957 RC3 .2238 FAU .03118
 FDE .8906 FRA .7681 FC3-1.6708 BSP 17393
 BDE 2.1283 BRA .7015 BC3 5.4528 FSP -636

MID-COURSE EXECUTION ACCURACY

SGT 5424.9 SGR 393.0 SG3 189.5
 RRT .0050 RRF -.0155 RTF .9224
 SGB 5439.1 R23 -.0201 R13 .9224
 SG1 5424.9 SG2 393.0 TMA .02

ORBIT DETERMINATION ACCURACY

ST 3037.1 SR 319.9 SS 788.3
 CRT .9685 CRS -.9158 CST -.9861
 LSA 3150.4 MSA 149.7 SSA 20.6
 EL1 3052.9 EL2 79.2 ALF 5.83

LAUNCH DATE DEC 12 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

RL 147.28 LAL -0.00 LOL 79.76 VL 26.650 GAL 1.70 AZL 86.57 HCA 258.47 SMA 121.54 ECC .21379 INC 3.4292 V1 30.250
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.692 GAP 10.81 A7P 90.69 TAL 173.71 TAP 72.18 RCA 95.55 APO 147.52 V2 34.811
 RC 173.196 GL 22.81 GP -1.03 ZAL 76.15 ZAP 169.98 ETS 354.24 ZAE 129.85 ETE 180.95 ZAC 83.27 ETC 165.65 CLP-170.03

PLANETOCENTRIC CONIC

C3 16.892 VHL 4.110 DLA 22.73 RAL 354.82 RAD 6567.7 VEL 11.759 PTH 2.08 VHP 7.102 DPA -8.74 RAP 350.90 ECC 1.2780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 57 2976.20 -28.10 94.70 221.45 86.37 3 4 33 2376.2 -28.31 86.04
 90.00 21 0 12 4017.50 -5.82 161.77 214.95 62.24 22 7 9 3417.5 -9.49 155.01
 100.00 3 53 15 2659.27 -29.85 71.48 221.55 88.25 4 37 34 2059.3 -29.77 62.67
 100.00 22 4 35 3809.66 -4.29 145.65 214.11 60.39 23 8 5 3209.7 -8.20 139.05
 110.00 5 36 12 2337.18 -34.07 46.96 221.49 92.94 6 15 9 1737.2 -33.29 37.81
 110.00 22 38 8 3704.51 -.70 135.45 211.88 55.82 23 39 52 3104.5 -5.18 129.23

DIFFERENTIAL CORRECTIONS

TDE 2.1997 TRA .9057 TC3-5.2515 BAU 1.1868
 RDE .2363 RRA -.0988 RC3 .2053 FAU .02913
 FDE .8777 FRA .8130 FC3-1.4930 BSP 17506
 BDE 2.2124 BRA .9111 BC3 5.2555 FSP -614

MID-COURSE EXECUTION ACCURACY

SGT 5469.2 SGR 399.2 SG3 183.6
 RRT .0354 RRF .0147 RTF .9236
 SGB 5483.7 R23 -.0182 R13 .9236
 SG1 5469.2 SG2 398.9 TMA .15

ORBIT DETERMINATION ACCURACY

ST 3096.7 SR 332.5 SS 784.4
 CRT .9626 CRS -.9089 CST -.9872
 LSA 3208.1 MSA 151.1 SSA 20.2
 EL1 3113.2 EL2 89.6 ALF 5.91

LAUNCH DATE DEC 12 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

RL 147.28 LAL -0.00 LOL 79.76 VL 26.606 GAL 2.22 AZL 86.58 HCA 261.63 SMA 121.27 ECC .21774 INC 3.4178 V1 30.250
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.666 GAP 11.13 A7P 90.50 TAL 171.98 TAP 73.62 RCA 94.87 APO 147.68 V2 34.817
 RC 175.278 GL 22.08 GP -1.00 ZAL 73.17 ZAP 170.81 ETS 354.08 ZAE 129.87 ETE 180.92 ZAC 85.53 ETC 165.89 CLP-170.86

PLANETOCENTRIC CONIC

C3 17.773 VHL 4.216 DLA 23.33 RAL 358.02 RAD 6567.7 VEL 11.796 PTH 2.09 VHP 7.294 DPA -7.78 RAP 353.04 ECC 1.2925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 14 3018.08 -27.88 97.74 225.74 84.86 3 9 32 2418.1 -28.30 89.10
 90.00 21 21 29 3999.14 -6.40 160.73 219.18 62.36 22 28 8 3399.1 -10.05 153.96
 100.00 3 58 45 2697.19 -29.73 74.29 225.90 86.77 4 43 42 2097.2 -29.86 65.49
 100.00 22 24 39 3795.26 -4.77 144.86 218.28 60.46 23 27 54 3195.3 -8.67 138.24
 110.00 5 43 40 2368.97 -34.16 49.44 225.98 91.47 6 23 9 1769.0 -33.57 40.25
 110.00 22 56 13 3696.25 -1.02 135.02 215.95 55.83 23 57 50 3096.2 -5.49 128.79

DIFFERENTIAL CORRECTIONS

TDE 2.2783 TRA 1.1244 TC3-5.0323 BAU 1.1965
 RDE .2515 RRA -.1009 RC3 .1858 FAU .02724
 FDE .8626 FRA .8544 FC3-1.3271 BSP 17688
 BDE 2.2922 BRA 1.1289 BC3 5.0358 FSP -597

MID-COURSE EXECUTION ACCURACY

SGT 5510.1 SGR 404.3 SG3 177.6
 RRT .0651 RRF .0440 RTF .9255
 SGB 5524.9 R23 -.0166 R13 .9254
 SG1 5510.1 SG2 403.7 TMA .28

ORBIT DETERMINATION ACCURACY

ST 3139.0 SR 344.8 SS 776.8
 CRT .9568 CRS -.9026 CST -.9882
 LSA 3248.4 MSA 153.1 SSA 19.7
 EL1 3156.3 EL2 99.7 ALF 6.00

LAUNCH DATE DEC 12 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.562 GAL 2.75 AZL 86.59 MCA 264.80 SMA 121.02 ECC .22205 INC 3.4066 V1 30.250
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.640 GAP 11.47 ATP 90.31 TAL 170.26 TAP 75.06 RCA 94.14 APO 147.89 V2 34.824
 RC 177.341 GL 21.31 GP -.96 ZAL 70.22 ZAP 171.63 ETS 353.84 ZAE 129.90 ETE 180.91 ZAC 87.79 ETC 166.11 CLP-171.68

PLANETOCENTRIC CONIC
 C3 18.817 VHL 4.338 DLA 23.86 RAL 1.21 RAD 6567.8 VEL 11.841 PTH 2.10 VHP 7.498 DPA -6.80 RAP 355.20 ECC 1.3097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 59 3059.45 -27.60 100.74 230.10 83.38 3 14 58 2459.5 -28.22 92.13
 90.00 21 42 11 3984.48 -6.86 159.90 223.47 62.46 22 48 35 3384.5 -10.50 153.11
 100.00 4 4 45 2734.56 -29.56 77.05 230.32 85.32 4 50 19 2134.6 -29.89 68.27
 100.00 22 44 6 3784.61 -5.13 144.27 222.53 60.51 23 47 11 3184.6 -9.02 137.64
 110.00 5 51 33 2400.41 -34.18 51.90 230.54 90.02 6 31 34 1800.4 -33.80 42.67
 110.00 23 13 47 3691.53 -1.20 134.77 220.08 55.84 24 15 19 3091.5 -5.67 128.55

DIFFERENTIAL CORRECTIONS
 TDE 2.3558 TRA 1.3563 TC3-4.7870 BAU 1.2050 SGT 5546.8 SGR 409.1 SG3 171.9 ST 3169.0 SR 356.5 SS 768.0
 RDE .2678 RRA -.1016 RC3 .1659 FAU .02542 RRT .0948 RRF .0737 RTF .9273 CRT .9509 CRS -.8964 CST -.9891
 FDE .8478 FRA .8963 FC3-1.1695 BSP 17864 SGB 5561.8 R23 -.0148 R13 .9272 LSA 3276.4 MSA 156.0 SSA 19.2
 BDE 2.3709 BRA 1.3601 BC3 4.7898 FSP -.581 SG1 5546.9 SG2 407.3 THA .40 EL1 3187.1 EL2 109.7 ALF 6.11

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 12 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.518 GAL 3.32 AZL 86.60 MCA 267.97 SMA 120.76 ECC .22675 INC 3.3954 V1 30.250
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.616 GAP 11.83 ATP 90.12 TAL 168.53 TAP 76.51 RCA 93.38 APO 148.14 V2 34.832
 RC 179.385 GL 20.50 GP -.93 ZAL 67.33 ZAP 172.44 ETS 353.50 ZAE 129.92 ETE 180.90 ZAC 90.06 ETC 166.30 CLP-172.50

PLANETOCENTRIC CONIC
 C3 20.046 VHL 4.477 DLA 24.32 RAL 4.37 RAD 6567.8 VEL 11.892 PTH 2.11 VHP 7.714 DPA -5.82 RAP 357.35 ECC 1.3299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 16 3099.90 -27.24 103.64 234.50 81.96 3 20 56 2499.9 -28.07 95.08
 90.00 22 2 5 3973.99 -7.19 159.31 227.83 62.54 23 8 19 3374.0 -10.82 152.50
 100.00 4 11 16 2771.06 -29.33 79.74 234.80 83.93 4 57 27 2171.1 -29.86 70.98
 100.00 23 2 47 3778.06 -5.35 143.91 226.82 60.55 24 5 45 3178.1 -9.23 137.27
 110.00 5 59 51 2431.32 -34.16 54.31 235.17 88.59 6 40 23 1831.3 -33.98 45.07
 110.00 23 30 41 3690.57 -1.23 134.72 224.27 55.84 24 32 11 3090.6 -5.71 128.49

DIFFERENTIAL CORRECTIONS
 TDE 2.4317 TRA 1.6019 TC3-4.5199 BAU 1.2119 SGT 5579.0 SGR 412.9 SG3 166.4 ST 3186.5 SR 367.5 SS 757.8
 RDE .2852 RRA -.1011 RC3 .1460 FAU .02366 RRT .1246 RRF .1036 RTF .9293 CRT .9450 CRS -.8905 CST -.9899
 FDE .8329 FRA .9379 FC3-1.0218 BSP 18019 SGB 5594.2 R23 -.0130 R13 .9292 LSA 3292.0 MSA 159.6 SSA 18.6
 BDE 2.4483 BRA 1.6031 BC3 4.5223 FSP -.564 SG1 5579.2 SG2 409.6 THA .53 EL1 3205.4 EL2 119.5 ALF 6.23

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 12 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.475 GAL 3.91 AZL 86.62 MCA 271.14 SMA 120.51 ECC .23187 INC 3.3843 V1 30.250
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.593 GAP 12.21 ATP 89.93 TAL 166.82 TAP 77.96 RCA 92.57 APO 148.45 V2 34.840
 RC 181.409 GL 19.66 GP -.90 ZAL 64.50 ZAP 173.25 ETS 353.04 ZAE 129.95 ETE 180.90 ZAC 92.35 ETC 166.46 CLP-173.31

PLANETOCENTRIC CONIC
 C3 21.484 VHL 4.635 DLA 24.71 RAL 7.48 RAD 6567.9 VEL 11.953 PTH 2.13 VHP 7.943 DPA -4.83 RAP 359.50 ECC 1.3536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 11 3139.00 -26.84 106.43 238.94 80.62 3 27 30 2539.0 -27.86 97.92
 90.00 22 21 0 3968.09 -7.38 158.97 232.21 62.58 23 27 8 3368.1 -10.99 152.16
 100.00 4 18 21 2806.39 -29.04 82.33 239.31 82.59 5 5 7 2206.4 -29.76 73.60
 100.00 23 20 31 3775.93 -5.42 143.79 231.14 60.56 24 23 27 3175.9 -9.30 137.15
 110.00 6 8 34 2461.57 -34.08 56.67 239.84 87.19 6 49 35 1861.6 -34.09 47.43
 110.00 23 46 48 3693.51 -1.12 134.88 228.47 55.83 24 48 21 3093.5 -5.60 128.65

DIFFERENTIAL CORRECTIONS
 TDE 2.5101 TRA 1.8659 TC3-4.2284 BAU 1.2150 SGT 5606.9 SGR 415.9 SG3 161.2 ST 3197.1 SR 377.7 SS 748.5
 RDE .3037 RRA -.0991 RC3 .1268 FAU .02186 RRT .1553 RRF .1349 RTF .9311 CRT .9390 CRS -.8848 CST -.9907
 FDE .8203 FRA .9819 FC3 -.8810 BSP 18065 SGB 5622.3 R23 -.0106 R13 .9311 LSA 3301.1 MSA 163.7 SSA 17.9
 BDE 2.5284 BRA 1.8685 BC3 4.2303 FSP -.544 SG1 5607.3 SG2 410.8 THA .66 EL1 3216.7 EL2 129.1 ALF 6.34

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 12 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.432 GAL 4.53 AZL 86.63 MCA 274.31 SMA 120.26 ECC .23746 INC 3.3732 V1 30.250
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.570 GAP 12.61 ATP 89.75 TAL 165.11 TAP 79.42 RCA 91.71 APO 148.82 V2 34.849
 RC 183.413 GL 18.79 GP -.87 ZAL 61.74 ZAP 174.05 ETS 352.39 ZAE 129.99 ETE 180.90 ZAC 94.63 ETC 166.60 CLP-174.11

PLANETOCENTRIC CONIC
 C3 23.160 VHL 4.812 DLA 25.02 RAL 10.53 RAD 6567.9 VEL 12.022 PTH 2.15 VHP 8.189 DPA -3.83 RAP 1.65 ECC 1.3812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 47 3176.34 -26.40 109.08 243.40 79.37 3 34 44 2576.3 -27.60 100.62
 90.00 22 38 43 3967.17 -7.41 158.92 236.59 62.59 23 44 50 3367.2 -11.02 152.11
 100.00 4 26 1 2840.30 -28.72 84.80 243.84 81.33 5 13 21 2240.3 -29.62 76.11
 100.00 23 37 10 3778.44 -5.34 143.93 235.46 60.54 24 40 9 3178.4 -9.22 137.29
 110.00 6 17 39 2491.06 -33.96 58.97 244.53 85.84 6 59 10 1891.1 -34.16 49.73
 110.00 0 5 58 3700.45 -.85 135.24 232.68 55.83 1 7 38 3100.4 -5.33 129.02

DIFFERENTIAL CORRECTIONS
 TDE 2.5818 TRA 2.1399 TC3-3.9350 BAU 1.2189 SGT 5630.1 SGR 418.0 SG3 156.0 ST 3189.5 SR 386.7 SS 736.6
 RDE .3233 RRA -.0955 RC3 .1082 FAU .02023 RRT .1851 RRF .1651 RTF .9334 CRT .9331 CRS -.8793 CST -.9914
 FDE .8059 FRA 1.0237 FC3 -.7563 BSP 18214 SGB 5645.6 R23 -.0087 R13 .9334 LSA 3291.8 MSA 168.1 SSA 17.2
 BDE 2.6020 BRA 2.1421 BC3 3.9365 FSP -.529 SG1 5630.7 SG2 410.7 THA .79 EL1 3209.8 EL2 138.2 ALF 6.47

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 12 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.390 GAL 5.18 AZL 86.64 HCA 277.49 SMA 120.02 ECC .24356 INC 3.3620 V1 30.250
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.549 GAP 13.04 AZP 89.56 TAL 163.41 TAP 80.90 RCA 90.79 APO 149.25 V2 34.858
 RC 185.395 GL 17.91 GP -.85 ZAL 59.07 ZAP 174.85 ETS 351.47 ZAE 130.02 ETE 180.90 ZAC 96.92 ETC 166.71 CLP-174.92

PLANETOCENTRIC CONIC
 C3 25.108 VHL 5.011 OLA 25.27 RAL 13.50 RAD 6568.0 VEL 12.103 PTH 2.17 VHP 8.451 DPA -2.83 RAP 3.80 ECC 1.4132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 8 3211.59 -25.93 111.55 247.86 78.21 3 42 40 2611.6 -27.30 103.15
 90.00 22 55 5 3971.92 -7.27 159.17 240.96 62.56 24 1 16 3371.5 -10.89 152.36
 100.00 4 34 17 2872.61 -28.37 87.14 248.38 80.15 5 22 9 2272.6 -29.43 78.50
 100.00 23 52 37 3785.74 -5.09 144.33 239.77 60.50 24 55 43 3185.7 -8.98 137.70
 110.00 6 27 4 2519.72 -33.80 61.19 249.24 84.54 7 9 4 1919.7 -34.18 51.96
 110.00 0 20 15 3711.39 -.44 135.81 236.88 55.82 1 22 6 3111.4 -4.92 129.59

DIFFERENTIAL CORRECTIONS
 TOE 2.6523 TRA 2.4307 TC3-3.6345 BAU 1.2204 SGT 5648.9 SGR 419.3 SG3 151.0 ST 3171.7 SR 394.6 SS 724.4
 RDE .3437 RRA -.0904 RC3 .0909 FAU .01865 RRT .2150 RRF .1955 RTF .9359 CRT .9271 CRS -.8739 CST -.9921
 FDE .7921 FRA 1.0663 FC3 -.6431 BSP 18342 SGB 5664.4 R23 -.0069 R13 .9359 LSA 3272.6 MSA 172.7 SSA 16.6
 BDE 2.6745 BRA 2.4323 BC3 3.6356 FSP -514 SG1 5649.6 SG2 409.5 TMA .92 EL1 3192.7 EL2 146.9 ALF 6.59

LAUNCH DATE DEC 12 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.349 GAL 5.88 AZL 86.65 HCA 280.66 SMA 119.78 ECC .25024 INC 3.3506 V1 30.250
 RP 108.68 LAP -3.29 LOP .44 VP 36.528 GAP 13.50 AZP 89.38 TAL 161.73 TAP 82.39 RCA 89.81 APO 149.76 V2 34.868
 RC 187.357 GL 17.03 GP -.83 ZAL 56.48 ZAP 175.63 ETS 350.14 ZAE 130.04 ETE 180.91 ZAC 99.21 ETC 166.79 CLP-175.72

PLANETOCENTRIC CONIC
 C3 27.370 VHL 5.232 OLA 25.44 RAL 16.38 RAD 6568.1 VEL 12.196 PTH 2.19 VHP 8.733 DPA -1.83 RAP 5.96 ECC 1.4504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 16 3244.48 -25.45 113.84 252.33 77.16 3 51 21 2644.5 -26.97 105.51
 90.00 23 9 57 3981.35 -6.96 159.73 245.29 62.48 24 16 19 3381.4 -10.59 152.93
 100.00 4 43 8 2903.20 -27.99 89.33 252.92 79.05 5 31 31 2303.2 -29.22 80.74
 100.00 0 10 43 3797.87 -4.68 145.00 244.04 60.44 1 14 1 3197.9 -8.59 138.39
 110.00 6 36 48 2547.54 -33.60 63.34 253.94 83.28 7 19 16 1947.5 -34.16 54.14
 110.00 0 33 32 3726.28 .13 136.59 241.05 55.82 1 35 38 3126.3 -4.35 130.37

DIFFERENTIAL CORRECTIONS
 TOE 2.7217 TRA 2.7387 TC3-3.3318 BAU 1.2195 SGT 5663.1 SGR 419.9 SG3 146.1 ST 3144.6 SR 401.0 SS 712.4
 RDE .3651 RRA -.0834 RC3 .0749 FAU .01712 RRT .2450 RRF .2261 RTF .9385 CRT .9210 CRS -.8686 CST -.9928
 FDE .7791 FRA 1.1099 FC3 -.5415 BSP 18445 SGB 5678.7 R23 -.0052 R13 .9385 LSA 3244.3 MSA 177.4 SSA 15.9
 BDE 2.7461 BRA 2.7400 BC3 3.3327 FSP -499 SG1 5664.1 SG2 407.0 TMA 1.05 EL1 3166.3 EL2 155.2 ALF 6.71

LAUNCH DATE DEC 12 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.308 GAL 6.61 AZL 86.66 HCA 283.84 SMA 119.55 ECC .25754 INC 3.3389 V1 30.250
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.508 GAP 14.00 AZP 89.20 TAL 160.06 TAP 83.90 RCA 88.76 APO 150.34 V2 34.878
 RC 189.297 GL 16.14 GP -.81 ZAL 54.00 ZAP 176.44 ETS 348.11 ZAE 130.06 ETE 180.92 ZAC 101.50 ETC 166.85 CLP-176.53

PLANETOCENTRIC CONIC
 C3 29.994 VHL 5.477 OLA 25.56 RAL 19.17 RAD 6568.2 VEL 12.303 PTH 2.22 VHP 9.036 DPA -.83 RAP 8.10 ECC 1.4936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 11 3274.86 -24.98 115.94 256.79 76.21 4 0 46 2674.9 -26.63 107.66
 90.00 23 23 17 3996.71 -6.48 160.59 249.56 62.37 24 29 53 3396.7 -10.13 153.82
 100.00 4 52 31 2932.02 -27.60 91.39 257.45 78.04 5 41 23 2332.0 -28.97 82.85
 100.00 0 23 33 3814.77 -4.12 145.94 248.27 60.37 1 27 8 3214.8 -8.03 139.34
 110.00 6 46 46 2574.56 -33.36 65.41 258.63 82.07 7 29 41 1974.6 -34.10 56.24
 110.00 0 45 48 3745.00 .85 137.56 245.18 55.83 1 48 13 3145.0 -3.64 131.35

DIFFERENTIAL CORRECTIONS
 TOE 2.7937 TRA 3.0694 TC3-3.0266 BAU 1.2139 SGT 5674.6 SGR 419.6 SG3 141.6 ST 3113.3 SR 406.1 SS 701.9
 RDE .3874 RRA -.0745 RC3 .0607 FAU .01556 RRT .2757 RRF .2576 RTF .9411 CRT .9148 CRS -.8636 CST -.9934
 FDE .7684 FRA 1.1565 FC3 -.4492 BSP 18446 SGB 5690.1 R23 -.0034 R13 .9411 LSA 3211.9 MSA 182.0 SSA 15.3
 BDE 2.8204 BRA 3.0703 BC3 3.0272 FSP -481 SG1 5675.8 SG2 403.3 TMA 1.17 EL1 3135.4 EL2 162.8 ALF 6.82

LAUNCH DATE DEC 12 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.268 GAL 7.39 AZL 86.67 HCA 287.02 SMA 119.32 ECC .26556 INC 3.3269 V1 30.250
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.490 GAP 14.53 AZP 89.03 TAL 158.42 TAP 85.44 RCA 87.64 APO 151.01 V2 34.889
 RC 191.216 GL 15.25 GP -.79 ZAL 51.61 ZAP 177.23 ETS 344.78 ZAE 130.07 ETE 180.93 ZAC 103.79 ETC 166.87 CLP-177.35

PLANETOCENTRIC CONIC
 C3 33.039 VHL 5.748 OLA 25.61 RAL 21.85 RAD 6568.3 VEL 12.426 PTH 2.25 VHP 9.364 DPA .16 RAP 10.25 ECC 1.5437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 50 3302.69 -24.51 117.85 261.23 75.36 4 10 53 2702.7 -26.29 109.63
 90.00 23 35 0 4017.50 -5.82 161.77 253.76 62.24 24 41 58 3417.5 -9.49 155.01
 100.00 5 2 24 2959.11 -27.20 93.30 261.96 77.11 5 51 44 2359.1 -28.71 84.82
 100.00 0 35 3 3836.31 -3.39 147.12 252.42 60.28 1 38 59 3236.3 -7.32 140.54
 110.00 6 56 56 2600.79 -33.10 67.41 263.28 80.92 7 40 17 2000.8 -34.00 58.29
 110.00 0 57 1 3767.40 1.71 138.73 249.23 55.85 1 59 48 3167.4 -2.79 132.53

DIFFERENTIAL CORRECTIONS
 TOE 2.8608 TRA 3.4155 TC3-2.7328 BAU 1.2073 SGT 5679.4 SGR 418.6 SG3 137.1 ST 3069.8 SR 409.4 SS 690.6
 RDE .4102 RRA -.0637 RC3 .0480 FAU .01414 RRT .3057 RRF .2881 RTF .9441 CRT .9085 CRS -.8586 CST -.9940
 FDE .7569 FRA 1.2027 FC3 -.3704 BSP 18545 SGB 5694.8 R23 -.0021 R13 .9441 LSA 3167.6 MSA 186.3 SSA 14.6
 BDE 2.8901 BRA 3.4161 BC3 2.7332 FSP -467 SG1 5680.9 SG2 398.4 TMA 1.30 EL1 3092.4 EL2 169.8 ALF 6.93

LAUNCH DATE DEC 12 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 575.970

RL 147.28 LAL -.00 LOL 79.76 VL 26.228 GAL 8.22 AZL 86.69 HCA 290.20 SMA 119.10 ECC .27437 INC 3.3145 V1 30.250
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.472 GAP 15.12 AZP 88.85 TAL 156.81 TAP 87.01 RCA 86.42 APO 151.78 V2 34.900
 RC 193.113 GL 14.37 GP -.77 ZAL 49.33 ZAP 178.02 ETS 338.56 ZAE 130.07 ETE 180.94 ZAC 106.06 ETC 166.87 CLP-178.17

PLANETOCENTRIC CONIC

C3 36.576 VML 6.048 CLA 25.60 RAL 24.42 RAD 6568.4 VEL 12.568 PTH 2.28 VHP 9.721 DPA 1.15 RAP 12.39 ECC 1.6020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 10 3328.07 -24.07 119.57 265.65 74.61 4 21 38 2728.1 -25.95 111.41
 90.00 23 45 9 4043.48 -4.99 163.23 257.88 62.09 24 52 32 3443.5 -8.69 156.50
 100.00 5 12 43 2984.55 -26.80 95.09 266.44 76.25 6 2 27 2384.6 -28.43 86.66
 100.00 0 45 13 3862.23 -2.51 148.55 256.51 60.20 1 49 35 3262.2 -6.46 141.98
 110.00 7 7 13 2626.31 -32.81 69.35 267.90 79.81 7 50 59 2026.3 -33.86 60.27
 110.00 1 7 12 3793.24 2.69 140.08 253.26 55.91 2 10 25 3193.2 -1.80 133.88

DIFFERENTIAL CORRECTIONS

TOE 2.9283 TRA 3.7843 TC3-2.4483 BAU 1.1974
 RDE .4336 RRA -.0509 RC3 .0370 FAU .01275
 FDE .7469 FRA 1.2515 FC3 -.3018 BSP 18621
 BDE 2.9603 BRA 3.7847 BC3 2.4486 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 5680.8 SGR 416.7 SG3 132.8
 RRT .3358 RRF .3187 RTF .9473
 SGB 5696.1 R23 -.0009 R13 .9473
 SG1 5682.6 SG2 392.4 TMA 1.42

ORBIT DETERMINATION ACCURACY

ST 3021.1 SR 411.1 S5 680.5
 CRT .9021 CRS -.8537 CST -.9946
 LSA 3118.1 MSA 190.2 SSA 14.0
 EL1 3043.8 EL2 176.1 ALF 7.02

LAUNCH DATE DEC 12 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 580.946

RL 147.28 LAL -.00 LOL 79.76 VL 26.189 GAL 9.11 AZL 86.70 HCA 293.38 SMA 118.88 ECC .28407 INC 3.3016 V1 30.250
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.455 GAP 15.75 AZP 88.69 TAL 155.24 TAP 88.62 RCA 85.11 APO 152.65 V2 34.912
 RC 194.989 GL 13.50 GP -.76 ZAL 47.16 ZAP 178.76 ETS 324.15 ZAE 130.06 ETE 180.96 ZAC 108.33 ETC 166.84 CLP-179.01

PLANETOCENTRIC CONIC

C3 40.695 VML 6.379 CLA 25.55 RAL 26.86 RAD 6568.6 VEL 12.730 PTH 2.31 VHP 10.109 DPA 2.13 RAP 14.52 ECC 1.6697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 37 3 3351.19 -23.64 121.13 270.03 73.94 4 32 34 2731.2 -25.62 113.02
 90.00 23 53 47 4074.27 -4.01 164.96 261.90 61.95 25 1 41 3474.3 -7.73 158.26
 100.00 5 23 21 3008.48 -26.41 96.75 270.87 75.46 6 13 29 2408.5 -28.15 88.38
 100.00 0 54 6 3892.21 -1.50 150.19 260.51 60.14 1 58 58 3292.2 -5.46 143.65
 110.00 7 17 33 2651.17 -32.49 71.22 272.47 78.74 8 1 44 2051.2 -33.70 62.19
 110.00 1 16 23 3822.29 3.80 141.60 257.21 56.00 2 20 5 3222.3 -6.69 135.39

DIFFERENTIAL CORRECTIONS

TOE 2.9975 TRA 4.1771 TC3-2.1747 BAU 1.1832
 RDE .4576 RRA -.0358 RC3 .0277 FAU .01140
 FDE .7383 FRA 1.3026 FC3 -.2425 BSP 18688
 BDE 3.0323 BRA 4.1773 BC3 2.1749 FSP -440

MID-COURSE EXECUTION ACCURACY

SGT 5677.8 SGR 414.0 SG3 128.6
 RRT .3660 RRF .3494 RTF .9505
 SGB 5692.9 R23 -.0001 R13 .9505
 SG1 5679.9 SG2 385.2 TMA 1.54

ORBIT DETERMINATION ACCURACY

ST 2968.4 SR 411.1 S5 671.5
 CRT .8957 CRS -.8490 CST -.9952
 LSA 3064.9 MSA 193.6 SSA 13.4
 EL1 2991.3 EL2 181.5 ALF 7.10

LAUNCH DATE DEC 12 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 585.788

RL 147.28 LAL -.00 LOL 79.76 VL 26.151 GAL 10.07 AZL 86.71 HCA 296.57 SMA 118.67 ECC .29478 INC 3.2880 V1 30.250
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.439 GAP 16.45 AZP 88.53 TAL 153.70 TAP 90.27 RCA 83.69 APO 153.65 V2 34.924
 RC 196.842 GL 12.65 GP -.74 ZAL 45.10 ZAP 179.25 ETS 281.82 ZAE 130.05 ETE 180.97 ZAC 110.58 ETC 166.77 CLP-179.87

PLANETOCENTRIC CONIC

C3 45.501 VML 6.745 CLA 25.44 RAL 29.19 RAD 6568.7 VEL 12.918 PTH 2.35 VHP 10.533 DPA 3.10 RAP 16.64 ECC 1.7488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 22 3372.30 -23.23 122.55 274.37 73.34 4 44 34 2772.3 -25.30 114.49
 90.00 0 4 55 4109.40 -2.88 166.92 265.82 61.82 1 13 25 3509.4 -6.63 160.25
 100.00 5 34 13 3031.05 -26.01 98.31 275.25 74.73 6 24 44 2431.0 -27.85 90.00
 100.00 1 1 46 3925.89 -1.36 152.04 264.41 60.11 2 7 11 3325.9 -4.33 145.51
 110.00 7 27 53 2675.42 -32.15 73.03 276.97 77.72 8 12 28 2075.4 -33.51 64.06
 110.00 1 24 35 3854.28 5.01 143.28 261.07 56.14 2 28 49 3254.3 .53 137.06

DIFFERENTIAL CORRECTIONS

TOE 3.0701 TRA 4.6011 TC3-1.9093 BAU 1.1615
 RDE .4820 RRA -.0183 RC3 .0201 FAU .01000
 FDE .7328 FRA 1.3584 FC3 -.1903 BSP 18624
 BDE 3.1077 BRA 4.6012 BC3 1.9094 FSP -425

MID-COURSE EXECUTION ACCURACY

SGT 5671.5 SGR 410.7 SG3 124.8
 RRT .3964 RRF .3809 RTF .9540
 SGB 5686.3 R23 .0011 R13 .9540
 SG1 5673.8 SG2 376.9 TMA 1.65

ORBIT DETERMINATION ACCURACY

ST 2914.1 SR 409.5 S5 665.3
 CRT .8891 CRS -.8448 CST -.9958
 LSA 3010.6 MSA 196.3 SSA 12.8
 EL1 2936.8 EL2 185.9 ALF 7.15

LAUNCH DATE DEC 12 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 590.469

RL 147.28 LAL -.00 LOL 79.76 VL 26.113 GAL 11.10 AZL 86.73 HCA 299.76 SMA 118.46 ECC .30663 INC 3.2736 V1 30.250
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.423 GAP 17.21 AZP 88.37 TAL 152.22 TAP 91.98 RCA 82.14 APO 154.79 V2 34.936
 RC 198.673 GL 11.81 GP -.73 ZAL 43.15 ZAP 178.96 ETS 226.23 ZAE 129.97 ETE 180.99 ZAC 112.81 ETC 166.68 CLP 179.26

PLANETOCENTRIC CONIC

C3 51.130 VML 7.150 CLA 25.29 RAL 31.38 RAD 6568.9 VEL 13.134 PTH 2.40 VHP 10.999 DPA 4.05 RAP 18.75 ECC 1.8415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 59 3391.67 -22.85 123.84 278.66 72.80 4 56 31 2791.7 -24.99 115.82
 90.00 0 10 48 4148.36 -1.63 169.10 269.63 61.73 1 19 57 3548.4 -5.40 162.45
 100.00 5 45 14 3052.37 -25.62 99.78 279.56 74.05 6 36 6 2452.4 -27.56 91.51
 100.00 1 8 15 3962.89 .90 154.07 268.23 60.12 2 14 18 3362.9 -3.08 147.55
 110.00 7 38 9 2699.10 -31.80 74.78 281.40 76.74 8 23 8 2099.1 -33.29 65.87
 110.00 1 31 50 3888.93 6.33 145.10 264.86 56.34 2 36 39 3288.9 1.86 138.87

DIFFERENTIAL CORRECTIONS

TOE 3.1470 TRA 5.0500 TC3-1.6628 BAU 1.1366
 RDE .5068 RRA .0016 RC3 .0140 FAU .00870
 FDE .7275 FRA 1.4163 FC3 -.1473 BSP 18682
 BDE 3.1876 BRA 5.0500 BC3 1.6628 FSP -412

MID-COURSE EXECUTION ACCURACY

SGT 5660.7 SGR 406.6 SG3 121.0
 RRT .4269 RRF .4115 RTF .9576
 SGB 5675.2 R23 .0010 R13 .9576
 SG1 5663.3 SG2 367.5 TMA 1.76

ORBIT DETERMINATION ACCURACY

ST 2857.7 SR 406.1 S5 659.5
 CRT .8828 CRS -.8405 CST -.9963
 LSA 2954.2 MSA 198.2 SSA 12.3
 EL1 2880.2 EL2 189.2 ALF 7.18

LAUNCH DATE DEC 12 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 6 1966

DISTANCE 594.956

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.076 GAL 12.21 AZL 86.74 HCA 302.95 SMA 118.26 ECC .31979 INC 3.2583 V1 30.250
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.409 GAP 18.05 AZP 88.23 TAL 150.80 TAP 93.75 RCA 80.44 APO 156.08 V2 34.948
 RC 200.481 GL 10.99 GP -.72 ZAL 41.33 ZAP 178.20 ETS 205.44 ZAE 129.88 ETE 181.00 ZAC 115.01 ETC 166.55 CLP 178.35

PLANETOCENTRIC CONIC
 C3 57.748 VHL 7.599 DLA 25.10 RAL 33.44 RAD 6569.1 VEL 13.383 PTH 2.45 VHP 11.514 DPA 4.99 RAP 20.84 ECC 1.9504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 46 3409.53 -22.49 125.02 282.87 72.32 5 8 36 2809.5 -24.69 117.05
 90.00 0 15 28 4190.61 -.26 171.46 273.33 61.68 1 25 19 3590.6 -4.05 164.82
 100.00 5 56 17 3072.59 -25.23 101.16 283.80 73.42 6 47 30 2472.6 -27.26 92.94
 100.00 1 13 39 4002.79 2.25 156.26 271.93 60.18 2 20 22 3402.8 -1.73 149.74
 110.00 7 48 17 2722.19 -31.42 76.48 285.73 75.80 8 33 39 2122.2 -33.05 67.63
 110.00 1 38 8 3925.95 7.72 147.07 268.56 56.60 2 43 34 3325.9 5.27 140.80

MID-COURSE EXECUTION ACCURACY
 SGT 5644.8 SGR 401.7 SG3 117.3
 RRT .4571 RRF .4423 RTF .9613
 SGB 5659.0 R23 .0012 R13 .9613
 SGI 5647.8 SG2 357.1 THA 1.87

ORBIT DETERMINATION ACCURACY
 ST 2798.3 SR 401.0 S5 655.9
 CRT .8765 CRS -.8366 CST -.9968
 LSA 2895.2 MSA 199.2 SSA 11.7
 EL1 2820.4 EL2 191.5 ALF 7.19

DIFFERENTIAL CORRECTIONS
 TDE 3.2263 TRA 5.5321 TC3-1.4312 BAU 1.1049
 RDE .5318 RRA .0240 RC3 .0093 FAU .00740
 FDE .7244 FRA 1.4790 FC3 -.1109 BSP 18711
 BDE 3.2698 BRA 5.5322 BC3 1.4312 FSP -400

LAUNCH DATE DEC 12 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 8 1966

DISTANCE 599.205

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.041 GAL 13.43 AZL 86.76 HCA 306.14 SMA 118.06 ECC .33443 INC 3.2419 V1 30.250
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.396 GAP 18.99 AZP 88.09 TAL 149.46 TAP 95.60 RCA 78.58 APO 157.55 V2 34.961
 RC 202.264 GL 10.19 GP -.71 ZAL 39.62 ZAP 177.32 ETS 197.30 ZAE 129.76 ETE 181.02 ZAC 117.18 ETC 166.38 CLP 177.41

PLANETOCENTRIC CONIC
 C3 65.570 VHL 8.098 DLA 24.87 RAL 35.37 RAD 6569.2 VEL 13.672 PTH 2.50 VHP 12.084 DPA 5.91 RAP 22.91 ECC 2.0791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 36 3426.07 -22.14 126.11 286.99 71.88 5 20 42 2826.1 -24.41 118.18
 90.00 0 19 0 4235.65 1.19 173.97 276.92 61.71 1 29 36 3635.6 -2.60 167.34
 100.00 6 7 18 3091.74 -24.86 102.45 287.93 72.84 6 58 50 2491.7 -26.97 94.29
 100.00 1 18 0 4045.21 3.68 158.59 275.53 60.31 2 25 25 3445.2 -.30 152.07
 110.00 7 58 14 2744.68 -31.04 78.12 289.96 74.90 8 43 58 2144.7 -32.80 69.34
 110.00 1 43 33 3965.04 9.18 149.15 272.16 56.93 2 49 38 3365.0 4.76 142.85

MID-COURSE EXECUTION ACCURACY
 SGT 5625.0 SGR 396.1 SG3 113.8
 RRT .4873 RRF .4730 RTF .9651
 SGB 5638.9 R23 .0011 R13 .9651
 SGI 5628.3 SG2 345.7 THA 1.97

ORBIT DETERMINATION ACCURACY
 ST 2738.7 SR 394.3 S5 654.7
 CRT .8704 CRS -.8330 CST -.9973
 LSA 2836.3 MSA 199.3 SSA 11.2
 EL1 2760.2 EL2 192.7 ALF 7.18

DIFFERENTIAL CORRECTIONS
 TDE 3.3119 TRA 6.0524 TC3-1.2145 BAU 1.0647
 RDE .5571 RRA .0491 RC3 .0059 FAU .00607
 FDE .7236 FRA 1.5471 FC3 -.0802 BSP 18732
 BDE 3.3584 BRA 6.0526 BC3 1.2145 FSP -389

LAUNCH DATE DEC 12 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 10 1966

DISTANCE 603.164

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 26.006 GAL 14.75 AZL 86.78 HCA 309.33 SMA 117.87 ECC .35080 INC 3.2240 V1 30.250
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.383 GAP 20.03 AZP 87.96 TAL 148.20 TAP 97.54 RCA 76.52 APO 159.22 V2 34.974
 RC 204.023 GL 9.41 GP -.69 ZAL 38.04 ZAP 176.37 ETS 193.17 ZAE 129.60 ETE 181.03 ZAC 119.31 ETC 166.18 CLP 176.44

PLANETOCENTRIC CONIC
 C3 74.864 VHL 8.652 DLA 24.60 RAL 37.15 RAD 6569.5 VEL 14.008 PTH 2.56 VHP 12.719 DPA 6.80 RAP 24.95 ECC 2.2321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 21 3441.39 -21.81 127.11 291.01 71.48 5 32 43 2841.4 -24.14 119.22
 90.00 0 21 29 4282.99 2.71 176.61 280.38 61.80 1 32 52 3683.0 -1.08 169.98
 100.00 6 18 11 3109.86 -24.49 103.67 291.96 72.30 7 10 1 2509.9 -26.68 95.56
 100.00 1 21 20 4089.75 5.18 161.05 279.02 60.52 2 29 30 3489.7 1.21 154.51
 110.00 8 7 57 2766.47 -30.64 79.69 294.06 74.05 8 54 3 2166.5 -32.52 70.98
 110.00 1 48 4 4005.91 10.69 151.35 275.67 57.34 2 54 50 3405.9 6.31 145.00

MID-COURSE EXECUTION ACCURACY
 SGT 5604.0 SGR 390.0 SG3 110.6
 RRT .5179 RRF .5044 RTF .9690
 SGB 5617.6 R23 .0010 R13 .9690
 SGI 5607.7 SG2 333.4 THA 2.07

ORBIT DETERMINATION ACCURACY
 ST 2692.8 SR 386.2 S5 657.1
 CRT .8648 CRS -.8303 CST -.9978
 LSA 2781.9 MSA 198.1 SSA 10.6
 EL1 2703.6 EL2 192.5 ALF 7.13

DIFFERENTIAL CORRECTIONS
 TDE 3.4112 TRA 6.6198 TC3-1.0107 BAU 1.0116
 RDE .5827 RRA .0774 RC3 .0038 FAU .00464
 FDE .7270 FRA 1.6231 FC3 -.0537 BSP 18617
 BDE 3.4607 BRA 6.6202 BC3 1.0107 FSP -375

LAUNCH DATE DEC 12 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 12 1966

DISTANCE 606.761

HELIOCENTRIC CONIC
 RL 147.28 LAL -0.00 LOL 79.76 VL 25.972 GAL 16.22 AZL 86.80 HCA 312.53 SMA 117.69 ECC .36914 INC 3.2043 V1 30.250
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.372 GAP 21.20 AZP 87.83 TAL 147.06 TAP 99.59 RCA 74.25 APO 161.14 V2 34.987
 RC 205.757 GL 8.65 GP -.69 ZAL 36.60 ZAP 175.35 ETS 190.72 ZAE 129.38 ETE 181.05 ZAC 121.38 ETC 165.95 CLP 175.41

PLANETOCENTRIC CONIC
 C3 85.982 VHL 9.273 DLA 24.30 RAL 38.79 RAD 6569.7 VEL 14.399 PTH 2.62 VHP 13.431 DPA 7.66 RAP 26.95 ECC 2.4150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 57 3455.50 -21.50 128.03 294.89 71.12 5 44 32 2855.5 -23.88 120.17
 90.00 0 22 56 4332.20 4.29 179.37 283.71 61.98 1 35 9 3732.2 .51 172.73
 100.00 6 28 52 3126.87 -24.15 104.81 295.85 71.80 7 20 59 2526.9 -26.39 96.74
 100.00 1 23 42 4136.06 6.73 163.62 282.37 60.81 2 32 38 3536.1 2.78 157.05
 110.00 8 17 22 2787.42 -30.24 81.19 298.01 73.24 9 3 50 2187.4 -32.23 72.54
 110.00 1 51 41 4048.27 12.23 153.66 279.06 57.83 2 59 10 3448.3 7.90 147.25

MID-COURSE EXECUTION ACCURACY
 SGT 5575.7 SGR 383.1 SG3 107.4
 RRT .5477 RRF .5350 RTF .9727
 SGB 5588.8 R23 .0005 R13 .9727
 SGI 5579.6 SG2 320.3 THA 2.16

ORBIT DETERMINATION ACCURACY
 ST 2623.6 SR 376.6 S5 661.3
 CRT .8594 CRS -.8278 CST -.9981
 LSA 2724.7 MSA 196.0 SSA 10.1
 EL1 2643.6 EL2 191.1 ALF 7.07

DIFFERENTIAL CORRECTIONS
 TDE 3.5156 TRA 7.2298 TC3 -.8257 BAU .9492
 RDE .6084 RRA .1084 RC3 .0025 FAU .00321
 FDE .7318 FRA 1.7053 FC3 -.0324 BSP 18629
 BDE 3.5679 BRA 7.2306 BC3 .8257 FSP -365

LAUNCH DATE DEC 12 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 609.906

RL 147.28 LAL -.00 LOL 79.76 VL 25.940 GAL 17.84 AZL 86.82 MCA 315.73 SMA 117.52 ECC .38979 INC 3.1826 VI 30.250
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.362 GAP 22.52 AZP 87.72 TAL 146.04 TAP 101.77 RCA 71.71 APO 163.33 V2 35.000
 RC 207.465 GL 7.90 GP -.68 ZAL 35.29 ZAP 174.27 ETS 189.10 ZAE 129.11 ETE 181.06 ZAC 123.40 ETC 165.68 CLP 174.31

PLANETOCENTRIC CONIC

C3 99.378 VHL 9.969 DLA 23.96 RAL 40.27 RAD 6569.9 VEL 14.857 PTM 2.68 VMP 14.232 DPA 8.49 RAP 28.91 ECC 2.6355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 17 3468.32 -21.22 128.87 298.62 70.80 5 56 5 2868.3 -23.65 121.03
 90.00 0 23 24 4382.90 5.91 182.22 286.89 62.26 1 36 27 3782.9 2.15 175.56
 100.00 6 39 18 3142.64 -23.79 105.86 299.57 71.35 7 31 40 2542.6 -26.12 97.83
 100.00 1 25 5 4183.81 8.30 166.29 285.59 61.18 2 34 49 3583.8 4.39 159.68
 110.00 8 26 28 2807.36 -29.84 82.61 301.78 72.49 9 13 15 2207.4 -31.94 74.03
 110.00 1 54 24 4091.86 13.80 156.07 282.33 58.41 3 2 36 3491.9 9.52 149.58

DIFFERENTIAL CORRECTIONS

TDE 3.6343 TRA 7.8953 TC3 -.6557 BAU .8711
 RDE .6343 RRA .1428 RC3 .0021 FAU .00166
 FDE .7403 FRA 1.7968 FC3 -.0145 BSP 18623
 BDE 3.6893 BRA 7.8966 BC3 .6557 FSP -355

MID-COURSE EXECUTION ACCURACY

SGT 5543.4 SGR 375.5 SG3 104.4
 RRT .5774 RRF .5655 RTF .9764
 SGB 5556.1 R23 -.0000 R13 .9764
 SGI 5547.6 SG2 306.3 TMA 2.25

ORBIT DETERMINATION ACCURACY

ST 2565.9 SR 365.5 S5 669.0
 CRT .8546 CRS -.8259 CST -.9985
 LSA 2669.8 MSA 192.6 S5A 9.5
 EL1 2585.0 EL2 188.4 ALF 6.98

LAUNCH DATE DEC 12 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 612.480

RL 147.28 LAL -.00 LOL 79.76 VL 25.910 GAL 19.64 AZL 86.84 MCA 318.93 SMA 117.35 ECC .41312 INC 3.1582 VI 30.250
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.353 GAP 24.01 AZP 87.62 TAL 145.19 TAP 104.12 RCA 68.87 APO 165.84 V2 35.014
 RC 209.146 GL 7.18 GP -.67 ZAL 34.14 ZAP 173.11 ETS 187.97 ZAE 128.75 ETE 181.07 ZAC 125.35 ETC 165.38 CLP 173.14

PLANETOCENTRIC CONIC

C3 115.653 VHL 10.754 DLA 23.58 RAL 41.58 RAD 6570.2 VEL 15.394 PTM 2.75 VMP 15.141 DPA 9.28 RAP 30.80 ECC 2.9034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 18 3479.67 -20.96 129.60 302.16 70.52 6 7 18 2879.7 -23.43 121.80
 90.00 0 22 52 4434.76 7.54 185.15 289.90 62.63 1 36 47 3834.8 3.81 178.45
 100.00 6 49 23 3156.97 -23.48 106.81 303.11 70.94 7 42 0 2557.0 -25.86 98.82
 100.00 1 25 28 4232.69 9.89 169.05 288.64 61.65 2 36 0 3632.7 6.03 162.39
 110.00 8 35 10 2826.03 -29.45 83.92 305.36 71.80 9 22 16 2226.0 -31.65 75.40
 110.00 1 56 10 4136.40 15.37 158.56 285.45 59.09 3 5 7 3536.4 11.16 151.99

DIFFERENTIAL CORRECTIONS

TDE 3.7709 TRA 8.6247 TC3 -.5003 BAU .7735
 RDE .6606 RRA .1805 RC3 .0025 FAU-.00008
 FDE .7533 FRA 1.8997 FC3 .0006 BSP 18591
 BDE 3.8283 BRA 8.6266 BC3 .5003 FSP -345

MID-COURSE EXECUTION ACCURACY

SGT 5507.3 SGR 367.3 SG3 101.5
 RRT .6069 RRF .5959 RTF .9800
 SGB 5519.6 R23 -.0007 R13 .9800
 SGI 5511.8 SG2 291.7 TMA 2.32

ORBIT DETERMINATION ACCURACY

ST 2509.9 SR 353.3 S5 680.8
 CRT .8507 CRS -.8249 CST -.9988
 LSA 2617.7 MSA 188.1 S5A 9.0
 EL1 2527.9 EL2 184.4 ALF 6.87

LAUNCH DATE DEC 12 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 614.323

RL 147.28 LAL -.00 LOL 79.76 VL 25.881 GAL 21.67 AZL 86.87 MCA 322.13 SMA 117.20 ECC .43959 INC 3.1304 VI 30.250
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.345 GAP 25.73 AZP 87.53 TAL 144.53 TAP 106.66 RCA 65.68 APO 168.72 V2 35.027
 RC 210.800 GL 6.48 GP -.66 ZAL 33.16 ZAP 171.85 ETS 187.12 ZAE 128.30 ETE 181.08 ZAC 127.20 ETC 165.06 CLP 171.88

PLANETOCENTRIC CONIC

C3 135.607 VHL 11.645 DLA 23.16 RAL 42.71 RAD 6570.5 VEL 16.029 PTM 2.83 VMP 16.178 DPA 10.02 RAP 32.62 ECC 3.2517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 55 3489.29 -20.74 130.22 305.49 70.28 6 18 5 2889.3 -23.24 122.44
 90.00 0 21 15 4487.48 9.18 188.16 292.73 63.09 1 36 3 3887.5 5.50 181.42
 100.00 6 59 5 3169.56 -23.19 107.64 306.42 70.59 7 51 55 2569.6 -25.63 99.68
 100.00 1 24 47 4282.44 11.49 171.88 291.51 62.21 2 36 9 3682.4 7.68 165.16
 110.00 8 43 26 2843.11 -29.08 85.11 308.70 71.18 9 30 49 2243.1 -31.37 76.66
 110.00 1 56 55 4181.66 16.94 161.13 288.40 59.86 3 6 37 3581.7 12.81 154.46

DIFFERENTIAL CORRECTIONS

TDE 3.9296 TRA 9.4271 TC3 -.3591 BAU .6510
 RDE .6874 RRA .2219 RC3 .0034 FAU-.00208
 FDE .7713 FRA 2.0159 FC3 .0133 BSP 18530
 BDE 3.9893 BRA 9.4298 BC3 .3591 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 5467.2 SGR 358.5 SG3 98.8
 RRT .6359 RRF .6259 RTF .9834
 SGB 5478.9 R23 -.0014 R13 .9834
 SGI 5471.9 SG2 276.4 TMA 2.39

ORBIT DETERMINATION ACCURACY

ST 2455.5 SR 340.1 S5 697.2
 CRT .8476 CRS -.8247 CST -.9990
 LSA 2568.7 MSA 182.3 S5A 8.4
 EL1 2472.5 EL2 179.2 ALF 6.73

LAUNCH DATE DEC 12 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 615.224

RL 147.28 LAL -.00 LOL 79.76 VL 25.855 GAL 23.97 AZL 86.90 MCA 325.34 SMA 117.06 ECC .46974 INC 3.0983 VI 30.250
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.339 GAP 27.70 AZP 87.45 TAL 144.11 TAP 109.45 RCA 62.07 APO 172.05 V2 35.040
 RC 212.427 GL 5.79 GP -.65 ZAL 32.37 ZAP 170.48 ETS 186.47 ZAE 127.73 ETE 181.09 ZAC 128.93 ETC 164.71 CLP 170.50

PLANETOCENTRIC CONIC

C3 160.318 VHL 12.662 DLA 22.71 RAL 43.64 RAD 6570.7 VEL 16.782 PTM 2.90 VMP 17.370 DPA 10.71 RAP 34.34 ECC 3.6384
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 6 3496.81 -20.57 130.70 308.55 70.10 6 28 22 2896.8 -23.10 122.94
 90.00 0 18 30 4540.85 10.81 191.24 295.33 63.67 1 34 11 3940.8 7.18 184.43
 100.00 7 8 20 3180.04 -22.95 108.32 309.47 70.31 8 1 20 2580.0 -25.43 100.40
 100.00 1 22 57 4332.84 13.07 174.78 294.17 62.88 2 35 10 3732.8 9.33 167.99
 110.00 8 51 12 2858.23 -28.74 86.16 311.75 70.65 9 38 50 2258.2 -31.11 77.76
 110.00 1 56 34 4227.42 18.48 163.78 291.15 60.72 3 7 2 3627.4 14.44 157.00

DIFFERENTIAL CORRECTIONS

TDE 4.1183 TRA10.3155 TC3 -.2312 BAU .4957
 RDE .7149 RRA .2671 RC3 .0047 FAU-.00448
 FDE .7962 FRA 2.1486 FC3 .0242 BSP 18386
 BDE 4.1799 BRA10.3189 BC3 .2313 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 5424.0 SGR 349.3 SG3 96.4
 RRT .6646 RRF .6555 RTF .9864
 SGB 5435.2 R23 -.0021 R13 .9864
 SGI 5429.0 SG2 260.7 TMA 2.46

ORBIT DETERMINATION ACCURACY

ST 2403.7 SR 325.9 S5 719.4
 CRT .8458 CRS -.8257 CST -.9993
 LSA 2524.0 MSA 175.5 S5A 7.9
 EL1 2419.5 EL2 172.7 ALF 6.58

LAUNCH DATE DEC 13 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 21 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 27.706 GAL -9.74 AZL 86.60 HCA 86.85 SMA 128.26 ECC .22346 INC 3.3986 V1 30.253
 RP 107.62 LAP 3.39 LOP 167.62 VP 37.837 GAP -9.04 AZP 89.81 TAL 219.45 TAP 306.29 RCA 99.60 APO 156.92 V2 35.212
 RC 55.572 GL 16.67 GP 1.51 ZAL 142.92 ZAP 19.55 ETS 354.69 ZAE 149.49 ETE 343.43 ZAC 63.22 ETC 163.74 CLP -19.50

DISTANCE 192.027

PLANETOCENTRIC CONIC
 C3 31.852 VHL 5.644 DLA -4.82 RAL 293.39 RAD 6568.3 VEL 12.378 PTH 2.23 VMP 6.458 DPA -13.74 RAP 330.90 ECC 1.5242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 29 2179.14 -18.69 39.25 161.29 111.66 2 41 49 1579.1 -15.59 31.95
 90.00 12 51 46 5122.61 24.98 227.88 164.22 76.20 14 17 8 4522.6 22.83 219.86
 100.00 3 24 34 1924.05 -19.87 19.98 160.78 112.80 3 56 38 1324.1 -16.61 12.71
 100.00 14 15 22 4852.94 26.21 207.69 163.87 75.08 15 36 15 4252.9 23.90 199.65
 110.00 4 27 37 1726.65 -23.02 3.47 159.24 116.00 4 56 24 1126.7 -19.33 356.27
 110.00 15 28 49 4623.10 29.52 189.13 162.76 71.93 16 45 52 4023.1 26.77 181.03

MID-COURSE EXECUTION ACCURACY
 SGT 595.5 SGR 393.9 SG3 155.8
 RRT .0122 RRF -.0336 RTF -.5998
 SGB 714.0 R23 -.0206 R13 -.6000
 SGI 595.5 SG2 393.8 THA .82

ORBIT DETERMINATION ACCURACY
 ST 220.5 SR 373.3 SS 279.9
 CRT .8720 CRS .9427 CST .6762
 LSA 496.4 MSA 138.8 SSA 24.7
 EL1 422.9 EL2 95.3 ALF 61.15

DIFFERENTIAL CORRECTIONS
 TDE -.1942 TRA -.3197 TC3 .4056 BAU .1779
 RDE -.3673 RRA .0570 RC3 -.1001 FAU .05327
 FDE .4586 FRA -.5910 FC3-1.4479 BSP 1557
 BDE .4154 BRA .3248 BC3 .4178 FSP -413

LAUNCH DATE DEC 13 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 27.832 GAL -9.68 AZL 86.62 HCA 90.08 SMA 129.13 ECC .21778 INC 3.3838 V1 30.253
 RP 107.64 LAP 3.38 LOP 170.86 VP 37.921 GAP -8.19 AZP 90.00 TAL 220.84 TAP 310.92 RCA 101.00 APO 157.25 V2 35.204
 RC 55.368 GL 16.90 GP 1.62 ZAL 143.79 ZAP 22.80 ETS 355.08 ZAE 150.04 ETE 343.83 ZAC 63.18 ETC 163.80 CLP -22.74

DISTANCE 198.820

PLANETOCENTRIC CONIC
 C3 31.034 VHL 5.571 DLA -4.76 RAL 292.31 RAD 6568.2 VEL 12.345 PTH 2.23 VMP 6.028 DPA -13.64 RAP 330.85 ECC 1.5107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 44 2174.39 -18.57 38.95 159.78 111.77 2 36 58 1574.4 -15.46 31.66
 90.00 12 47 52 5114.29 24.84 227.30 162.64 75.95 14 13 6 4514.3 22.66 219.31
 100.00 3 19 50 1919.20 -19.74 19.68 159.27 112.91 3 51 49 1319.2 -16.47 12.41
 100.00 14 11 27 4844.71 26.06 207.13 162.28 74.82 15 32 11 4244.7 23.72 199.11
 110.00 4 22 57 1721.61 -22.87 3.15 157.74 116.13 4 51 39 1121.6 -19.17 355.97
 110.00 15 24 49 4615.07 29.35 188.57 161.16 71.64 16 41 44 4015.1 26.56 180.50

MID-COURSE EXECUTION ACCURACY
 SGT 596.8 SGR 392.9 SG3 177.7
 RRT .0176 RRF -.0433 RTF -.5963
 SGB 714.5 R23 -.0248 R13 -.5967
 SGI 596.9 SG2 392.8 THA 1.17

ORBIT DETERMINATION ACCURACY
 ST 220.1 SR 373.0 SS 301.8
 CRT .8766 CRS .9374 CST .6710
 LSA 507.2 MSA 144.3 SSA 24.8
 EL1 422.9 EL2 93.4 ALF 61.11

DIFFERENTIAL CORRECTIONS
 TDE -.1922 TRA -.3095 TC3 .4162 BAU .1776
 RDE -.3623 RRA .0548 RC3 -.0995 FAU .05949
 FDE .5196 FRA -.7014 FC3-1.6597 BSP 1553
 BDE .4101 BRA .3144 BC3 .4279 FSP -480

LAUNCH DATE DEC 13 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 27.941 GAL -9.62 AZL 86.63 HCA 93.32 SMA 129.89 ECC .21292 INC 3.3691 V1 30.253
 RP 107.67 LAP 3.36 LOP 174.10 VP 37.993 GAP -7.39 AZP 90.20 TAL 222.11 TAP 315.43 RCA 102.24 APO 157.55 V2 35.195
 RC 57.230 GL 17.09 GP 1.74 ZAL 144.56 ZAP 26.22 ETS 355.38 ZAE 150.90 ETE 344.14 ZAC 62.97 ETC 163.83 CLP -26.17

DISTANCE 205.588

PLANETOCENTRIC CONIC
 C3 30.339 VHL 5.508 DLA -4.71 RAL 291.35 RAD 6568.2 VEL 12.317 PTH 2.22 VMP 5.629 DPA -13.58 RAP 330.62 ECC 1.4993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 33 2170.11 -18.47 38.69 158.44 111.86 2 32 43 1570.1 -15.34 31.41
 90.00 12 44 22 5107.20 24.72 226.82 161.24 75.73 14 9 29 4507.2 22.52 218.84
 100.00 3 15 40 1914.86 -19.63 19.41 157.93 113.01 3 47 35 1314.9 -16.34 12.15
 100.00 14 7 55 4837.68 25.94 206.64 160.89 74.59 15 28 33 4237.7 23.57 198.64
 110.00 4 18 50 1717.11 -22.73 2.87 156.41 116.24 4 47 27 1117.1 -19.02 355.70
 110.00 15 21 15 4608.20 29.20 188.09 159.76 71.39 16 38 3 4008.2 26.38 180.04

MID-COURSE EXECUTION ACCURACY
 SGT 593.7 SGR 390.9 SG3 202.6
 RRT .0235 RRF -.0548 RTF -.5859
 SGB 710.8 R23 -.0305 R13 -.5865
 SGI 593.8 SG2 390.7 THA 1.56

ORBIT DETERMINATION ACCURACY
 ST 218.4 SR 372.0 SS 324.8
 CRT .8775 CRS .9328 CST .6618
 LSA 518.0 MSA 150.3 SSA 24.7
 EL1 421.3 EL2 92.5 ALF 61.23

DIFFERENTIAL CORRECTIONS
 TDE -.1886 TRA -.3029 TC3 .4199 BAU .1749
 RDE -.3572 RRA .0534 RC3 -.0978 FAU .06656
 FDE .5888 FRA -.8260 FC3-1.8994 BSP 1528
 BDE .4040 BRA .3076 BC3 .4311 FSP -557

LAUNCH DATE DEC 13 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 28.034 GAL -9.57 AZL 86.65 HCA 96.56 SMA 130.56 ECC .20875 INC 3.3543 V1 30.253
 RP 107.70 LAP 3.33 LOP 177.35 VP 38.053 GAP -6.63 AZP 90.38 TAL 223.25 TAP 319.81 RCA 103.31 APO 157.82 V2 35.186
 RC 59.152 GL 17.25 GP 1.88 ZAL 145.23 ZAP 29.85 ETS 355.62 ZAE 152.08 ETE 344.34 ZAC 62.55 ETC 163.83 CLP -29.80

DISTANCE 212.328

PLANETOCENTRIC CONIC
 C3 29.741 VHL 5.454 DLA -4.68 RAL 290.50 RAD 6568.2 VEL 12.293 PTH 2.21 VMP 5.261 DPA -13.58 RAP 330.20 ECC 1.4895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 55 2166.24 -18.37 38.44 157.27 111.94 2 29 1 1566.2 -15.23 31.17
 90.00 12 41 16 5101.07 24.62 226.40 160.02 75.55 14 6 17 4501.1 22.39 218.44
 100.00 3 12 4 1910.94 -19.52 19.16 156.77 113.10 3 43 55 1310.9 -16.23 11.92
 100.00 14 4 49 4831.62 25.83 206.22 159.67 74.40 15 25 20 4231.6 23.44 198.24
 110.00 4 15 16 1713.06 -22.61 2.62 155.24 116.35 4 43 49 1113.1 -18.89 355.47
 110.00 15 18 6 4602.25 29.07 187.68 158.53 71.18 16 34 48 4002.3 26.23 179.65

MID-COURSE EXECUTION ACCURACY
 SGT 585.8 SGR 388.0 SG3 230.9
 RRT .0264 RRF -.0674 RTF -.5688
 SGB 702.6 R23 -.0406 R13 -.5697
 SGI 585.9 SG2 387.8 THA 1.78

ORBIT DETERMINATION ACCURACY
 ST 213.5 SR 370.2 SS 348.1
 CRT .8729 CRS .9282 CST .6445
 LSA 527.9 MSA 156.6 SSA 24.7
 EL1 417.3 EL2 92.5 ALF 61.77

DIFFERENTIAL CORRECTIONS
 TDE -.1818 TRA -.2991 TC3 .4174 BAU .1702
 RDE -.3520 RRA .0527 RC3 -.0949 FAU .07462
 FDE .6647 FRA -.9677 FC3-2.1721 BSP 1510
 BDE .3962 BRA .3037 BC3 .4280 FSP -649

LAUNCH DATE DEC 13 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 219.039

RL 147.27 LAL -.00 LOL 80.78 VL 28.114 GAL -9.53 AZL 86.66 HCA 99.79 SMA 131.14 ECC .20517 INC 3.3393 V1 30.253
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.103 GAP -5.90 A7P 90.57 TAL 224.25 TAP 324.05 RCA 104.24 APO 158.05 V2 35.176
 RC 61.127 GL 17.39 GP 2.03 ZAL 145.80 ZAP 33.69 ETS 355.82 ZAE 153.59 ETE 344.42 ZAC 61.93 ETC 163.81 CLP -33.64

PLANETOCENTRIC CONIC

C3 29.216 VHL 5.405 DLA -4.65 RAL 289.78 RAD 6568.2 VEL 12.272 PTH 2.21 VHP 4.923 DPA -13.64 RAP 329.56 ECC 1.4808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 49 2162.71 -18.28 38.22 156.26 112.01 2 25 52 1562.7 -15.13 30.96
 90.00 12 38 37 5095.69 24.53 226.03 158.97 75.39 14 3 33 4495.7 22.28 218.08
 100.00 3 8 59 1907.36 -19.43 18.94 155.76 113.18 3 40 46 1307.4 -16.12 11.71
 100.00 14 2 9 4826.27 25.73 205.86 158.61 74.23 15 22 35 4226.3 23.32 197.89
 110.00 4 12 13 1709.38 -22.50 2.40 154.24 116.44 4 40 42 1109.4 -18.77 355.25
 110.00 15 15 24 4597.01 28.96 187.31 157.47 70.99 16 32 1 3997.0 26.09 179.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1741 TRA -.3018 TC3 .4037 BAU .1616 SGT 572.3 SGR 384.3 SG3 262.2 ST 208.6 SR 367.7 SS 373.3
 RDE -.3465 RRA .0528 RC3 -.0906 FAU .08348 RRT .0519 RRF -.0840 RTF -.5362 CRT .8622 CRS .9255 CST .6214
 FDE .7522 FRA -1.1217 FC3 -2.4738 BSP 1424 SGB 689.3 R23 -.0529 R13 -.5378 LSA 539.3 MSA 163.2 SSA 24.4
 BDE .3878 BRA .3064 BC3 .4137 FSP -748 SG1 572.5 SG2 384.0 THA 2.23 EL1 412.1 EL2 94.3 ALF 62.37

LAUNCH DATE DEC 13 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 225.718

RL 147.27 LAL -.00 LOL 80.78 VL 28.182 GAL -9.48 AZL 86.68 HCA 103.02 SMA 131.64 ECC .20211 INC 3.3240 V1 30.253
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.143 GAP -5.20 A7P 90.75 TAL 225.11 TAP 328.14 RCA 105.03 APO 158.24 V2 35.166
 RC 63.151 GL 17.49 GP 2.20 ZAL 146.28 ZAP 37.76 ETS 355.98 ZAE 155.44 ETE 344.36 ZAC 61.08 ETC 163.77 CLP -37.71

PLANETOCENTRIC CONIC

C3 28.746 VHL 5.362 DLA -4.62 RAL 289.18 RAD 6568.2 VEL 12.252 PTH 2.20 VHP 4.615 DPA -13.75 RAP 328.69 ECC 1.4731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 13 2159.45 -18.19 38.02 155.39 112.08 2 23 12 1559.5 -15.04 30.76
 90.00 12 36 24 5090.84 24.44 225.70 158.06 75.24 14 1 15 4490.8 22.18 217.76
 100.00 3 6 23 1904.06 -19.34 18.74 154.89 113.25 3 38 7 1304.1 -16.03 11.51
 100.00 13 59 55 4821.46 25.64 205.53 157.70 74.08 15 20 16 4221.5 23.21 197.57
 110.00 4 9 39 1706.00 -22.40 2.19 153.37 116.53 4 38 5 1106.0 -18.65 355.05
 110.00 15 13 8 4592.29 28.85 186.99 156.56 70.82 16 29 41 3992.3 25.96 179.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1637 TRA -.3102 TC3 .3797 BAU .1495 SGT 554.1 SGR 379.8 SG3 296.9 ST 201.7 SR 364.6 SS 399.4
 RDE -.3407 RRA .0537 RC3 -.0850 FAU .09327 RRT .0352 RRF -.1038 RTF -.4860 CRT .8421 CRS .9237 CST .5860
 FDE .8490 FRA -1.2894 FC3 -2.8091 BSP 1305 SGB 671.7 R23 -.0716 R13 -.4885 LSA 551.1 MSA 169.8 SSA 24.1
 BDE .3780 BRA .3148 BC3 .3891 FSP -859 SG1 554.4 SG2 379.3 THA 2.60 EL1 405.0 EL2 97.9 ALF 63.35

LAUNCH DATE DEC 13 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 232.365

RL 147.27 LAL -.00 LOL 80.78 VL 28.238 GAL -9.43 AZL 86.69 HCA 106.25 SMA 132.05 ECC .19947 INC 3.3083 V1 30.253
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.174 GAP -4.54 A7P 90.93 TAL 225.83 TAP 332.08 RCA 105.71 APO 158.39 V2 35.155
 RC 65.219 GL 17.58 GP 2.38 ZAL 146.66 ZAP 42.07 ETS 356.13 ZAE 157.62 ETE 344.12 ZAC 59.99 ETC 163.69 CLP -42.02

PLANETOCENTRIC CONIC

C3 28.316 VHL 5.321 DLA -4.60 RAL 288.69 RAD 6568.1 VEL 12.235 PTH 2.20 VHP 4.336 DPA -13.92 RAP 327.57 ECC 1.4660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 5 2156.41 -18.12 37.83 154.66 112.14 2 21 1 1556.4 -14.95 30.58
 90.00 12 34 37 5086.35 24.36 225.40 157.29 75.11 13 59 23 4486.4 22.08 217.47
 100.00 3 4 16 1900.98 -19.26 18.55 154.15 113.32 3 35 57 1301.0 -15.94 11.32
 100.00 13 58 7 4817.02 25.56 205.22 156.93 73.94 15 18 24 4217.0 23.11 197.28
 110.00 4 7 33 1702.84 -22.30 1.99 152.64 116.60 4 35 56 1102.8 -18.55 354.87
 110.00 15 11 19 4587.92 28.75 186.68 155.78 70.67 16 27 47 3987.9 25.85 178.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1490 TRA -.3239 TC3 .3458 BAU .1342 SGT 532.5 SGR 374.5 SG3 335.1 ST 192.0 SR 360.7 SS 424.9
 RDE -.3346 RRA .0555 RC3 -.0780 FAU .10405 RRT .0315 RRF -.1262 RTF -.4134 CRT .8067 CRS .9220 CST .5294
 FDE .9509 FRA -1.4726 FC3 -3.1811 BSP 1171 SGB 651.0 R23 -.1005 R13 -.4167 LSA 562.1 MSA 176.1 SSA 23.8
 BDE .3663 BRA .3286 BC3 .3545 FSP -987 SG1 532.8 SG2 374.1 THA 2.51 EL1 395.3 EL2 103.5 ALF 64.92

LAUNCH DATE DEC 13 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 238.978

RL 147.27 LAL -.00 LOL 80.78 VL 28.283 GAL -9.38 AZL 86.71 HCA 109.48 SMA 132.39 ECC .19719 INC 3.2921 V1 30.253
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.197 GAP -3.91 A7P 91.10 TAL 226.40 TAP 335.88 RCA 106.28 APO 158.49 V2 35.143
 RC 67.327 GL 17.66 GP 2.57 ZAL 146.95 ZAP 46.63 ETS 356.26 ZAE 160.13 ETE 343.62 ZAC 58.66 ETC 163.58 CLP -46.57

PLANETOCENTRIC CONIC

C3 27.913 VHL 5.283 DLA -4.58 RAL 288.30 RAD 6568.1 VEL 12.218 PTH 2.20 VHP 4.087 DPA -14.15 RAP 326.21 ECC 1.4594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 23 2153.53 -18.04 37.65 154.04 112.20 2 19 17 1553.5 -14.87 30.41
 90.00 12 33 15 5082.08 24.29 225.10 156.64 74.98 13 57 57 4482.1 21.99 217.19
 100.00 3 2 35 1898.07 -19.18 18.36 153.54 113.38 3 34 13 1298.1 -15.85 11.15
 100.00 13 56 45 4812.77 25.48 204.93 156.27 73.81 15 16 57 4212.8 23.01 197.00
 110.00 4 5 53 1699.85 -22.21 1.81 152.02 116.68 4 34 13 1099.9 -18.45 354.69
 110.00 15 9 55 4583.76 28.66 186.40 155.12 70.52 16 26 19 3983.8 25.74 178.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1321 TRA -.3482 TC3 .2974 BAU .1140 SGT 511.0 SGR 368.7 SG3 375.5 ST 182.7 SR 356.2 SS 451.5
 RDE -.3280 RRA .0580 RC3 -.0694 FAU .11537 RRT .0220 RRF -.1540 RTF -.3030 CRT .7498 CRS .9221 CST .4492
 FDE 1.0626 FRA -1.6602 FC3 -3.5783 BSP 962 SGB 630.1 R23 -.1401 R13 -.3064 LSA 574.8 MSA 182.1 SSA 23.4
 BDE .3536 BRA .3511 BC3 .3034 FSP -1119 SG1 511.2 SG2 368.5 THA 1.89 EL1 384.4 EL2 112.1 ALF 66.89

LAUNCH DATE DEC 13 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 28.318 GAL -9.33 AZL 86.72 HCA 112.71 SMA 132.65 ECC .19521 INC 3.2752 V1 30.253
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.213 GAP -3.30 AZP 91.27 TAL 226.83 TAP 339.53 RCA 106.76 APO 158.55 V2 35.132
 RC 69.470 GL 17.72 GP 2.78 ZAL 147.16 ZAP 51.42 ETS 356.38 ZAE 162.96 ETE 342.72 ZAC 57.09 ETC 163.44 CLP -51.36

PLANETOCENTRIC CONIC
 C3 27.527 VHL 5.247 OLA -4.55 RAL 288.02 RAD 6568.1 VEL 12.203 PTH 2.19 VHP 3.868 OPA -14.43 RAP 324.61 ECC 1.4530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 5 2150.78 -17.97 37.48 153.53 112.26 2 17 56 1550.8 -14.80 30.24
 90.00 12 32 18 5077.89 24.22 224.82 156.10 74.86 13 56 56 4477.9 21.90 216.91
 100.00 3 1 18 1895.28 -19.10 18.19 153.03 113.44 3 32 53 1295.3 -15.77 10.99
 100.00 13 55 47 4808.63 25.40 204.65 155.73 73.68 15 15 56 4208.6 22.92 196.73
 110.00 4 4 38 1696.99 -22.12 1.63 151.52 116.75 4 32 55 1097.0 -18.35 354.53
 110.00 15 8 56 4579.69 28.57 186.12 154.58 70.38 16 25 16 3979.7 25.63 176.17

MID-COURSE EXECUTION ACCURACY
 SGT 495.0 SGR 362.3 SG3 418.3
 RRT -.0042 RRF -.1855 RTF -.1520
 SGB 613.4 R23 .1868 R13 .1510
 SG1 495.0 SG2 362.3 TMA 179.62

ORBIT DETERMINATION ACCURACY
 ST 172.6 SR 351.2 SS 476.4
 CRT .6567 CRS .9221 CST .3273
 LSA 586.8 MSA 187.6 SSA 23.0
 EL1 371.4 EL2 123.1 ALF 69.79

DIFFERENTIAL CORRECTIONS
 TDE -.1105 TRA -.3749 TC3 .2368 BAV .0898
 RDE -.3210 RRA .0614 RC3 -.0592 FAU .12736
 FDE 1.1742 FRA-1.8559 FC3-4.0055 BSP 733
 BDE .3395 BRA .3799 BC3 .2441 FSP -1267

LAUNCH DATE DEC 13 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 28.344 GAL -9.27 AZL 86.74 HCA 115.93 SMA 132.85 ECC .19349 INC 3.2575 V1 30.253
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.221 GAP -2.73 AZP 91.43 TAL 227.12 TAP 343.05 RCA 107.14 APO 158.55 V2 35.120
 RC 71.643 GL 17.76 GP 3.00 ZAL 147.29 ZAP 56.42 ETS 356.51 ZAE 166.07 ETE 341.16 ZAC 55.31 ETC 163.27 CLP -56.37

PLANETOCENTRIC CONIC
 C3 27.149 VHL 5.210 OLA -4.53 RAL 287.84 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 3.678 OPA -14.74 RAP 322.78 ECC 1.4468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 11 2148.11 -17.90 37.32 153.13 112.31 2 16 59 1548.1 -14.72 30.08
 90.00 12 31 46 5073.68 24.14 224.54 155.66 74.73 13 56 19 4473.7 21.81 216.64
 100.00 3 0 24 1892.58 -19.03 18.02 152.63 113.50 3 31 56 1292.6 -15.69 10.82
 100.00 13 55 14 4804.45 25.32 204.37 155.29 73.55 15 15 18 4204.5 22.82 196.46
 110.00 4 3 46 1694.19 -22.04 1.46 151.12 116.82 4 32 0 1094.2 -18.26 354.36
 110.00 15 8 21 4575.60 28.47 185.84 154.14 70.23 16 24 37 3975.6 25.52 177.91

MID-COURSE EXECUTION ACCURACY
 SGT 494.2 SGR 355.8 SG3 461.3
 RRT -.0476 RRF -.2232 RTF .0454
 SGB 608.9 R23 .2188 R13 -.0566
 SG1 494.8 SG2 355.0 TMA 175.95

ORBIT DETERMINATION ACCURACY
 ST 166.5 SR 345.6 SS 501.5
 CRT .5180 CRS .9240 CST .1643
 LSA 600.8 MSA 192.6 SSA 22.6
 EL1 358.1 EL2 137.4 ALF 73.49

DIFFERENTIAL CORRECTIONS
 TDE -.0864 TRA -.4128 TC3 .1600 BAV .0606
 RDE -.3136 RRA .0655 RC3 -.0473 FAU .13924
 FDE 1.2904 FRA-2.0430 FC3-4.4403 BSP 448
 BDE .3253 BRA .4180 BC3 .1669 FSP -1409

LAUNCH DATE DEC 13 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 28.363 GAL -9.21 AZL 86.76 HCA 119.15 SMA 132.99 ECC .19197 INC 3.2389 V1 30.253
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.224 GAP -2.17 AZP 91.58 TAL 227.28 TAP 346.43 RCA 107.46 APO 158.51 V2 35.108
 RC 73.845 GL 17.80 GP 3.24 ZAL 147.35 ZAP 61.62 ETS 356.65 ZAE 169.42 ETE 338.26 ZAC 53.34 ETC 163.05 CLP -61.57

PLANETOCENTRIC CONIC
 C3 26.772 VHL 5.174 OLA -4.50 RAL 287.75 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 3.518 OPA -15.09 RAP 320.75 ECC 1.4406
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 37 2145.49 -17.83 37.15 152.81 112.37 2 16 23 1545.5 -14.65 29.93
 90.00 12 31 36 5069.38 24.06 224.24 155.31 74.60 13 56 6 4469.4 21.72 216.36
 100.00 2 59 51 1889.91 -18.96 17.86 152.31 113.56 3 31 21 1289.9 -15.61 10.67
 100.00 13 55 4 4800.19 25.23 204.08 154.94 73.42 15 15 4 4200.2 22.72 196.18
 110.00 4 3 15 1691.43 -21.95 1.29 150.81 116.89 4 31 26 1091.4 -18.17 354.20
 110.00 15 8 9 4571.43 28.38 185.55 153.78 70.09 16 24 21 3971.4 25.40 177.64

MID-COURSE EXECUTION ACCURACY
 SGT 518.2 SGR 349.2 SG3 503.4
 RRT -.1121 RRF -.2663 RTF .2641
 SGB 624.9 R23 .2135 R13 -.2844
 SG1 520.8 SG2 345.3 TMA 172.26

ORBIT DETERMINATION ACCURACY
 ST 166.0 SR 339.4 SS 524.7
 CRT .3260 CRS .9265 CST -.0418
 LSA 615.4 MSA 196.9 SSA 22.1
 EL1 344.8 EL2 154.4 ALF 78.63

DIFFERENTIAL CORRECTIONS
 TDE -.0585 TRA -.4584 TC3 .0684 BAV .0273
 RDE -.3058 RRA .0703 RC3 -.0338 FAU .15078
 FDE 1.4021 FRA-2.2185 FC3-4.8758 BSP 284
 BDE .3113 BRA .4638 BC3 .0763 FSP -1550

LAUNCH DATE DEC 13 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 28.373 GAL -9.14 AZL 86.78 HCA 122.37 SMA 133.07 ECC .19062 INC 3.2191 V1 30.253
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.220 GAP -1.65 AZP 91.72 TAL 227.31 TAP 349.68 RCA 107.70 APO 158.43 V2 35.095
 RC 76.070 GL 17.83 GP 3.48 ZAL 147.33 ZAP 66.97 ETS 356.81 ZAE 172.92 ETE 331.97 ZAC 51.23 ETC 162.81 CLP -66.93

PLANETOCENTRIC CONIC
 C3 26.392 VHL 5.137 OLA -4.47 RAL 287.75 RAD 6568.1 VEL 12.156 PTH 2.18 VHP 3.386 OPA -15.44 RAP 318.56 ECC 1.4344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 24 2142.85 -17.77 36.99 152.58 112.42 2 16 6 1542.9 -14.57 29.77
 90.00 12 31 49 5064.92 23.98 223.94 155.05 74.47 13 56 14 4464.9 21.62 216.07
 100.00 2 59 38 1887.23 -18.88 17.69 152.08 113.61 3 31 5 1287.2 -15.53 10.51
 100.00 13 55 16 4795.77 25.15 203.78 154.68 73.28 15 15 11 4195.8 22.62 195.89
 110.00 4 3 4 1688.66 -21.87 1.12 150.58 116.95 4 31 12 1088.7 -18.07 354.04
 110.00 15 8 19 4567.11 28.28 185.25 153.51 69.94 16 24 26 3967.1 25.28 177.36

MID-COURSE EXECUTION ACCURACY
 SGT 573.3 SGR 342.8 SG3 543.5
 RRT -.1923 RRF -.3134 RTF .4650
 SGB 668.0 R23 .1809 R13 -.4853
 SG1 579.0 SG2 335.1 TMA 170.15

ORBIT DETERMINATION ACCURACY
 ST 173.9 SR 332.7 SS 543.8
 CRT .0949 CRS .9289 CST -.2702
 LSA 629.3 MSA 200.4 SSA 21.7
 EL1 333.2 EL2 172.9 ALF 86.11

DIFFERENTIAL CORRECTIONS
 TDE -.0286 TRA -.5107 TC3 -.0369 BAV .0146
 RDE -.2974 RRA .0757 RC3 -.0185 FAU .16169
 FDE 1.4981 FRA-2.3777 FC3-5.3039 BSP 538
 BDE .2986 BRA .5162 BC3 .0413 FSP -1694

LAUNCH DATE DEC 13 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 271.540

RL 147.27 LAL -1.00 LOL 80.78 VL 28.377 GAL -9.07 AZL 86.80 MCA 125.59 SMA 133.10 ECC .18942 INC 3.1978 V1 30.253
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.211 GAP -1.14 AZP 91.86 TAL 227.23 TAP 352.81 RCA 107.89 APO 158.31 V2 35.082
 RC 78.316 GL 17.85 GP 3.73 ZAL 147.24 ZAP 72.41 ETS 357.00 ZAE 176.29 ETE 312.64 ZAC 49.02 ETC 162.54 CLP -72.37

PLANETOCENTRIC CONIC

C3 26.004 VHL 5.099 DLA -4.44 RAL 287.83 RAD 6568.1 VEL 12.140 PTH 2.18 VHP 3.282 DPA -15.79 RAP 316.27 ECC 1.4280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 29 2140.17 -17.70 36.82 152.43 112.47 2 16 9 1540.2 -14.90 29.61
 90.00 12 32 23 5060.26 23.90 223.63 154.85 74.34 13 56 44 4460.3 21.52 215.76
 100.00 2 59 45 1884.50 -18.81 17.33 151.93 113.67 3 31 9 1284.5 -15.45 10.34
 100.00 13 55 49 4791.16 25.06 203.47 154.48 73.14 15 15 40 4191.2 22.51 195.59
 110.00 4 3 12 1685.82 -21.78 .95 150.43 117.02 4 31 18 1085.8 -17.98 353.88
 110.00 15 8 51 4562.61 28.17 184.95 153.31 69.79 16 24 53 3962.6 25.16 177.07

DIFFERENTIAL CORRECTIONS

TDE .0074 TRA -.5700 TC3 -.1573 BAU .0547
 RDE -.2886 RRA .0813 RC3 -.0017 FAU .17098
 FDE 1.5846 FRA -2.5021 FC3 -5.6917 BSP 988
 BDE .2887 BRA .5757 BC3 .1573 FSP -1812

MID-COURSE EXECUTION ACCURACY

SGT 662.1 SGR 336.9 SG3 578.4
 RRT -.2747 RRF -.3660 RTF .6220
 SGB 742.9 R23 .1483 R13 -.6373
 SG1 670.5 SG2 319.9 THA 169.67

ORBIT DETERMINATION ACCURACY

ST 192.9 SR 325.4 SS 561.2
 CRT -.1271 CRS .9326 CST -.4678
 LSA 645.2 MSA 203.1 SSA 21.2
 EL1 326.8 EL2 190.5 ALF 96.54

LAUNCH DATE DEC 13 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 277.953

RL 147.27 LAL -1.00 LOL 80.78 VL 28.375 GAL -8.98 AZL 86.83 MCA 128.80 SMA 133.08 ECC .18835 INC 3.1747 V1 30.253
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.198 GAP -.66 AZP 91.99 TAL 227.03 TAP 355.83 RCA 108.02 APO 158.15 V2 35.069
 RC 80.581 GL 17.86 GP 3.98 ZAL 147.09 ZAP 77.88 ETS 357.21 ZAE 177.50 ETE 258.29 ZAC 46.78 ETC 162.25 CLP -77.85

PLANETOCENTRIC CONIC

C3 25.605 VHL 5.060 DLA -4.41 RAL 287.99 RAD 6568.0 VEL 12.124 PTH 2.17 VHP 3.205 DPA -16.11 RAP 313.93 ECC 1.4214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 53 2137.39 -17.62 36.65 152.35 112.53 2 16 31 1537.4 -14.42 29.44
 90.00 12 33 17 5055.39 23.81 223.30 154.73 74.20 13 57 33 4455.4 21.41 215.45
 100.00 3 0 10 1881.67 -18.73 17.35 151.85 113.73 3 31 31 1281.7 -15.36 10.18
 100.00 13 56 42 4786.34 24.96 203.14 154.36 73.00 15 16 28 4186.3 22.40 195.28
 110.00 4 3 40 1682.87 -21.69 .77 150.35 117.09 4 31 42 1082.9 -17.88 353.70
 110.00 15 9 41 4557.90 28.06 184.62 153.19 69.63 16 25 39 3957.9 25.03 176.76

DIFFERENTIAL CORRECTIONS

TDE .0438 TRA -.8339 TC3 -.2895 BAU .0993
 RDE -.2791 RRA .0873 RC3 .0166 FAU .17871
 FDE 1.8440 FRA -2.9952 FC3 -6.0424 BSP 1496
 BDE .2825 BRA .8399 BC3 .2900 FSP -1926

MID-COURSE EXECUTION ACCURACY

SGT 778.8 SGR 331.6 SG3 608.2
 RRT -.3561 RRF -.4213 RTF .7307
 SGB 846.5 R23 .1214 R13 -.7409
 SG1 789.3 SG2 305.7 THA 169.84

ORBIT DETERMINATION ACCURACY

ST 221.8 SR 317.4 SS 573.0
 CRT -.3140 CRS .9359 CST -.6210
 LSA 660.2 MSA 204.8 SSA 20.7
 EL1 330.0 EL2 202.5 ALF 110.31

LAUNCH DATE DEC 13 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 284.334

RL 147.27 LAL -1.00 LOL 80.78 VL 28.367 GAL -8.90 AZL 86.85 MCA 132.01 SMA 133.02 ECC .18737 INC 3.1495 V1 30.253
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.180 GAP -.20 AZP 92.11 TAL 226.73 TAP 358.74 RCA 108.10 APO 157.95 V2 35.056
 RC 82.862 GL 17.87 GP 4.25 ZAL 146.88 ZAP 83.30 ETS 357.46 ZAE 174.62 ETE 196.53 ZAC 44.57 ETC 161.95 CLP -83.29

PLANETOCENTRIC CONIC

C3 25.191 VHL 5.019 DLA -4.37 RAL 288.24 RAD 6568.0 VEL 12.107 PTH 2.17 VHP 3.154 DPA -16.38 RAP 311.61 ECC 1.4146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 35 2134.44 -17.55 36.47 152.33 112.59 2 17 10 1534.4 -14.33 29.27
 90.00 12 34 30 5050.30 23.71 222.96 154.67 74.05 13 58 41 4450.3 21.30 215.12
 100.00 3 0 53 1878.66 -18.65 17.17 151.83 113.79 3 32 11 1278.7 -15.27 10.00
 100.00 13 57 54 4781.31 24.86 202.80 154.30 72.84 15 17 35 4181.3 22.28 194.95
 110.00 4 4 25 1679.75 -21.59 .58 150.34 117.17 4 32 25 1079.7 -17.78 353.52
 110.00 15 10 51 4552.99 27.94 184.29 153.12 69.46 16 26 44 3953.0 24.89 176.45

DIFFERENTIAL CORRECTIONS

TDE .0809 TRA -.7019 TC3 -.4335 BAU .1465
 RDE -.2691 RRA .0931 RC3 .0361 FAU .18387
 FDE 1.6886 FRA -2.6384 FC3 -6.3192 BSP 2058
 BDE .2810 BRA .7081 BC3 .4350 FSP -1996

MID-COURSE EXECUTION ACCURACY

SGT 918.5 SGR 327.2 SG3 629.5
 RRT -.4318 RRF -.4799 RTF .8018
 SGB 975.1 R23 .1051 R13 -.8086
 SG1 930.5 SG2 291.3 THA 170.30

ORBIT DETERMINATION ACCURACY

ST 258.5 SR 308.9 SS 582.7
 CRT -.4520 CRS .9407 CST -.7217
 LSA 677.5 MSA 206.0 SSA 20.1
 EL1 346.3 EL2 205.7 ALF 124.20

LAUNCH DATE DEC 13 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 290.683

RL 147.27 LAL -1.00 LOL 80.78 VL 28.354 GAL -8.80 AZL 86.88 MCA 135.22 SMA 132.92 ECC .18648 INC 3.1216 V1 30.253
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.158 GAP .24 AZP 92.22 TAL 226.33 TAP 1.55 RCA 108.14 APO 157.71 V2 35.043
 RC 85.157 GL 17.86 GP 4.52 ZAL 146.61 ZAP 88.63 ETS 357.75 ZAE 170.99 ETE 185.99 ZAC 42.45 ETC 161.67 CLP -88.63

PLANETOCENTRIC CONIC

C3 24.762 VHL 4.976 DLA -4.34 RAL 288.55 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 3.125 DPA -16.59 RAP 309.39 ECC 1.4075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 36 2131.23 -17.46 36.27 152.37 112.65 2 18 7 1531.2 -14.24 29.08
 90.00 12 36 0 5045.04 23.81 222.60 154.67 73.90 14 0 5 4445.0 21.18 214.78
 100.00 3 1 54 1875.40 -18.56 16.97 151.87 113.86 3 33 9 1275.4 -15.18 9.80
 100.00 13 59 23 4776.10 24.76 202.45 154.30 72.69 15 18 59 4176.1 22.15 194.62
 110.00 4 5 28 1676.37 -21.48 .37 150.38 117.25 4 33 25 1076.4 -17.66 353.33
 110.00 15 12 18 4547.89 27.82 183.94 153.12 69.29 16 28 6 3947.9 24.75 176.12

DIFFERENTIAL CORRECTIONS

TDE .1183 TRA -.7716 TC3 -.5859 BAU .1949
 RDE -.2584 RRA .0988 RC3 .0570 FAU .18714
 FDE 1.6987 FRA -2.6488 FC3 -6.5429 BSP 2643
 BDE .2841 BRA .7779 BC3 .5887 FSP -2061

MID-COURSE EXECUTION ACCURACY

SGT 1073.5 SGR 323.6 SG3 644.1
 RRT -.5044 RRF -.5388 RTF .8482
 SGB 1121.2 R23 .0934 R13 -.8528
 SG1 1086.7 SG2 276.1 THA 170.75

ORBIT DETERMINATION ACCURACY

ST 300.5 SR 299.5 SS 585.8
 CRT -.5522 CRS .9446 CST -.7901
 LSA 693.0 MSA 206.0 SSA 19.6
 EL1 373.7 EL2 200.7 ALF 135.18

LAUNCH DATE DEC 13 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 297.002

RL 147.27 LAL -0.00 LOL 80.78 VL 28.337 GAL -8.70 AZL 86.91 MCA 138.43 SMA 132.79 ECC .18567 INC 3.0904 V1 30.253
 RP 108.18 LAP 2.05 LOP 219.23 VP 38.133 GAP .67 A7P 92.31 TAL 225.83 TAP 4.26 RCA 108.14 APO 157.45 V2 35.030
 RC 87.465 GL 17.83 GP 4.80 ZAL 146.29 ZAP 93.79 ETS 358.09 ZAE 167.35 ETE 181.60 ZAC 40.48 ETC 161.43 CLP -93.81

PLANETOCENTRIC CONIC

C3 24.314 VHL 4.931 DLA -4.31 RAL 288.94 RAD 6568.0 VEL 12.070 PTH 2.16 VHP 3.118 DPA -16.72 RAP 307.32 ECC 1.4002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 55 2127.65 -17.37 36.05 152.46 112.72 2 19 23 1527.6 -14.14 28.86
 90.00 12 37 46 5039.66 23.51 222.24 154.73 73.75 14 1 45 4439.7 21.06 214.43
 100.00 3 3 14 1871.78 -18.46 16.74 151.97 113.94 3 34 26 1271.8 -15.07 9.59
 100.00 14 1 8 4770.77 24.65 202.09 154.35 72.53 15 20 38 4170.8 22.02 194.27
 110.00 4 6 30 1672.65 -21.37 .14 150.49 117.34 4 34 43 1072.7 -17.54 353.11
 110.00 15 14 1 4542.66 27.69 183.59 153.17 69.11 16 29 43 3942.7 24.60 175.79

DIFFERENTIAL CORRECTIONS

TOE .1547 TRA -.8415 TC3 -.7456 BAU .2437
 RDE -.2472 RRA -.1040 RC3 .0786 FAU .18761
 FDE 1.6943 FRA-2.6081 FC3-6.6801 BSP 3244
 BDE .2916 BRA .8479 BC3 .7497 FSP -2080

MID-COURSE EXECUTION ACCURACY

SGT 1238.7 SGR 321.2 SG3 649.5
 RRT -.5717 RRF -.5982 RTF .8782
 SGB 1279.7 R23 .0888 R13 -.8815
 SG1 1252.9 SG2 260.6 TMA 171.18

ORBIT DETERMINATION ACCURACY

ST 345.5 SR 289.5 S3 587.0
 CRT -.6238 CRS .9498 CST -.8325
 LSA 710.7 MSA 205.7 S3A 18.9
 EL1 408.0 EL2 191.6 ALF 142.95

LAUNCH DATE DEC 13 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 303.292

RL 147.27 LAL -0.00 LOL 80.78 VL 28.315 GAL -8.59 AZL 86.94 MCA 141.63 SMA 132.63 ECC .18493 INC 3.0550 V1 30.253
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.105 GAP 1.07 A7P 92.40 TAL 225.25 TAP 6.88 RCA 108.10 APO 157.16 V2 35.016
 RC 89.783 GL 17.79 GP 5.11 ZAL 145.91 ZAP 98.74 ETS 358.48 ZAE 163.83 ETE 179.18 ZAC 38.71 ETC 161.26 CLP -98.78

PLANETOCENTRIC CONIC

C3 23.849 VHL 4.884 DLA -4.29 RAL 289.39 RAD 6568.0 VEL 12.051 PTH 2.15 VHP 3.130 DPA -16.76 RAP 305.45 ECC 1.3925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 35 2123.54 -17.26 35.80 152.61 112.80 2 20 59 1523.5 -14.02 28.62
 90.00 12 39 44 5034.29 23.41 221.88 154.84 73.59 14 3 38 4434.3 20.94 214.08
 100.00 3 4 55 1867.64 -18.34 16.49 152.12 114.02 3 36 2 1267.6 -14.94 9.35
 100.00 14 3 5 4765.43 24.54 201.73 154.46 72.37 15 22 31 4165.4 21.89 193.93
 110.00 4 8 32 1668.44 -21.24 359.89 150.64 117.44 4 36 21 1068.4 -17.39 352.87
 110.00 15 15 57 4537.38 27.57 183.23 153.28 68.94 16 31 34 3937.4 24.45 175.45

DIFFERENTIAL CORRECTIONS

TOE .1891 TRA -.9102 TC3 -.9110 BAU .2923
 RDE -.2352 RRA .1089 RC3 .1017 FAU .18635
 FDE 1.6594 FRA-2.5386 FC3-6.7646 BSP 3859
 BDE .3018 BRA .9167 BC3 .9166 FSP -2092

MID-COURSE EXECUTION ACCURACY

SGT 1409.9 SGR 320.0 SG3 648.7
 RRT -.6358 RRF -.6561 RTF .8984
 SGB 1445.7 R23 .0871 R13 -.9009
 SG1 1424.9 SG2 244.4 TMA 171.54

ORBIT DETERMINATION ACCURACY

ST 391.4 SR 278.6 S3 582.1
 CRT -.6755 CRS .9543 CST -.8609
 LSA 726.3 MSA 204.5 S3A 18.2
 EL1 445.2 EL2 180.6 ALF 148.58

LAUNCH DATE DEC 13 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 309.554

RL 147.27 LAL -0.00 LOL 80.78 VL 28.290 GAL -8.47 AZL 86.99 MCA 144.83 SMA 132.44 ECC .18424 INC 3.0143 V1 30.253
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.073 GAP 1.46 A7P 92.46 TAL 224.59 TAP 9.42 RCA 108.04 APO 156.84 V2 35.003
 RC 92.112 GL 17.72 GP 5.46 ZAL 145.48 ZAP 103.45 ETS 358.94 ZAE 160.49 ETE 177.57 ZAC 37.15 ETC 161.21 CLP -103.51

PLANETOCENTRIC CONIC

C3 23.362 VHL 4.833 DLA -4.29 RAL 289.92 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 3.159 DPA -16.71 RAP 303.83 ECC 1.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 38 2118.69 -17.13 35.50 152.81 112.90 2 22 57 1518.7 -13.88 28.33
 90.00 12 41 52 5029.07 23.31 221.53 155.01 73.45 14 5 41 4429.1 20.82 213.74
 100.00 3 6 58 1862.78 -18.21 16.19 152.32 114.12 3 38 1 1262.8 -14.80 9.06
 100.00 14 5 14 4760.21 24.43 201.38 154.63 72.22 15 24 34 4160.2 21.77 193.59
 110.00 4 10 36 1663.56 -21.08 359.59 150.84 117.55 4 38 20 1063.6 -17.23 352.99
 110.00 15 18 5 4532.19 27.44 182.88 153.44 68.77 16 33 37 3932.2 24.30 175.12

DIFFERENTIAL CORRECTIONS

TOE .2213 TRA -.9758 TC3-1.0798 BAU .3396
 RDE -.2228 RRA .1131 RC3 .1258 FAU .18281
 FDE 1.6145 FRA-2.4294 FC3-6.7744 BSP 4463
 BDE .3140 BRA .9823 BC3 1.0871 FSP -2063

MID-COURSE EXECUTION ACCURACY

SGT 1582.4 SGR 320.3 SG3 640.1
 RRT -.6947 RRF -.7121 RTF .9117
 SGB 1614.5 R23 .0908 R13 -.9137
 SG1 1598.3 SG2 228.1 TMA 171.83

ORBIT DETERMINATION ACCURACY

ST 436.9 SR 267.2 S3 575.9
 CRT -.7146 CRS .9598 CST -.8783
 LSA 743.2 MSA 203.3 S3A 17.4
 EL1 483.5 EL2 168.9 ALF 152.80

LAUNCH DATE DEC 13 1965

FLIGHT TIME 108.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 315.788

RL 147.27 LAL -0.00 LOL 80.78 VL 28.261 GAL -8.34 AZL 87.03 MCA 148.03 SMA 132.22 ECC .18361 INC 2.9666 V1 30.253
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.040 GAP 1.84 A7P 92.52 TAL 223.85 TAP 11.89 RCA 107.95 APO 156.50 V2 34.990
 RC 94.449 GL 17.62 GP 5.85 ZAL 145.01 ZAP 107.88 ETS 359.47 ZAE 157.37 ETE 176.35 ZAC 35.83 ETC 161.31 CLP -107.98

PLANETOCENTRIC CONIC

C3 22.855 VHL 4.781 DLA -4.30 RAL 290.51 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 3.202 DPA -16.54 RAP 302.45 ECC 1.3761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 8 2112.78 -16.98 35.14 153.05 113.01 2 25 21 1512.8 -13.71 27.98
 90.00 12 44 7 5024.27 23.21 221.21 155.23 73.31 14 7 51 4424.3 20.71 213.43
 100.00 3 9 28 1856.90 -18.05 15.83 152.56 114.24 3 40 25 1256.9 -14.62 8.71
 100.00 14 7 28 4755.39 24.33 201.06 154.85 72.07 15 26 44 4155.4 21.65 193.28
 110.00 4 13 5 1657.74 -20.90 359.24 151.08 117.69 4 40 42 1057.7 -17.03 352.25
 110.00 15 20 21 4527.30 27.32 182.55 153.66 68.60 16 35 48 3927.3 24.16 174.81

DIFFERENTIAL CORRECTIONS

TOE .2497 TRA -1.0377 TC3-1.2526 BAU .3855
 RDE -.2098 RRA .1168 RC3 .1519 FAU .17814
 FDE 1.5464 FRA-2.3040 FC3-6.7478 BSP 5067
 BDE .3262 BRA 1.0443 BC3 1.2617 FSP -2032

MID-COURSE EXECUTION ACCURACY

SGT 1754.8 SGR 322.6 SG3 627.4
 RRT -.7496 RRF -.7651 RTF .9209
 SGB 1778.2 R23 .0975 R13 -.9227
 SG1 1771.6 SG2 211.5 TMA 172.04

ORBIT DETERMINATION ACCURACY

ST 480.5 SR 255.0 S3 564.5
 CRT -.7441 CRS .9647 CST -.8900
 LSA 757.4 MSA 201.4 S3A 16.6
 EL1 520.8 EL2 157.2 ALF 156.14

LAUNCH DATE DEC 13 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 321.996

RL 147.27 LAL -0.00 LOL 80.78 VL 28.229 GAL -8.21 AZL 87.09 HCA 151.23 SMA 131.99 ECC .18304 INC 2.9095 V1 30.253
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.004 GAP 2.20 AZP 92.55 TAL 223.04 TAP 14.27 RCA 107.83 APO 156.15 V2 34.977
 RC 96.794 GL 17.47 GP 6.32 ZAL 144.50 ZAP 112.03 ETS .10 ZAE 154.46 ETE 175.29 ZAC 34.74 ETC 161.62 CLP-112.18

PLANETOCENTRIC CONIC

C3 22.323 VHL 4.725 OLA -4.36 RAL 291.18 RAD 6567.9 VEL 11.988 PTH 2.14 VMP 3.258 DPA -16.25 RAP 301.35 ECC 1.3674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 12 2105.36 -16.78 34.68 153.33 113.15 2 28 18 1505.4 -13.50 27.54
 90.00 12 46 21 5020.25 23.13 220.94 155.50 73.20 14 10 2 4420.3 20.61 213.18
 100.00 3 12 30 1849.56 -17.84 15.38 152.84 114.39 3 43 20 1249.6 -14.40 8.28
 100.00 14 9 45 4751.29 24.24 200.78 155.12 71.95 15 28 56 4151.3 21.55 193.02
 110.00 4 16 3 1650.59 -20.67 358.81 151.37 117.85 4 43 34 1050.6 -16.78 351.84
 110.00 15 22 41 4523.02 27.21 182.27 153.94 68.47 16 38 4 3923.0 24.04 174.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2747 TRA-1.0939 TC3-1.4273 BAU .4293 SGT 1923.6 SGR 327.2 SG3 609.5 ST 521.4 SR 242.5 SS 551.9
 RDE -.1967 RRA .1198 RC3 .1800 FAU .17196 RRT -.7987 RRF -.8143 RTF .9270 CRT -.7678 CRS .9702 CST -.8962
 FDE 1.4730 FRA-2.1529 FC3-6.6688 BSP 5642 SGB 1951.2 R23 .1101 R13 -.9286 LSA 771.5 MSA 199.8 SSA 15.6
 BDE .3379 BRA 1.1005 BC3 1.4386 FSP -1971 SGI 1941.4 SG2 195.1 THA 172.18 EL1 556.3 EL2 145.7 ALF 158.83

LAUNCH DATE DEC 13 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 328.179

RL 147.27 LAL -0.00 LOL 80.78 VL 28.195 GAL -8.06 AZL 87.16 HCA 154.43 SMA 131.73 ECC .18251 INC 2.8396 V1 30.253
 RP 108.39 LAP 1.23 LOP 235.23 VP 37.967 GAP 2.54 AZP 92.56 TAL 222.17 TAP 16.59 RCA 107.69 APO 155.78 V2 34.964
 RC 99.145 GL 17.24 GP 6.90 ZAL 143.96 ZAP 115.90 ETS .87 ZAE 151.79 ETE 174.25 ZAC 33.89 ETC 162.21 CLP-116.10

PLANETOCENTRIC CONIC

C3 21.765 VHL 4.665 OLA -4.47 RAL 291.92 RAD 6567.9 VEL 11.964 PTH 2.13 VMP 3.325 DPA -15.80 RAP 300.51 ECC 1.3582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 0 2095.71 -16.52 34.09 153.65 113.33 2 31 56 1495.7 -13.22 26.97
 90.00 12 48 27 5017.65 23.08 220.77 155.85 73.13 14 12 5 4417.6 20.55 213.01
 100.00 3 16 14 1840.08 -17.57 14.81 153.16 114.58 3 46 55 1240.1 -14.11 7.73
 100.00 14 11 54 4748.51 24.18 200.60 155.47 71.87 15 31 2 4148.5 21.48 192.84
 110.00 4 19 40 1841.50 -20.38 358.27 151.69 118.05 4 47 2 1041.5 -16.47 351.32
 110.00 15 24 57 4519.85 27.13 182.05 154.28 68.36 16 40 17 3919.9 23.95 174.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2939 TRA-1.1446 TC3-1.6070 BAU .4717 SGT 2089.7 SGR 335.2 SG3 589.6 ST 557.9 SR 229.4 SS 534.3
 RDE -.1851 RRA .1224 RC3 .2119 FAU .16532 RRT -.8425 RRF -.8591 RTF .9312 CRT -.7857 CRS .9752 CST -.8992
 FDE 1.3820 FRA-1.9961 FC3-6.5757 BSP 6219 SGB 2116.4 R23 .1275 R13 -.9328 LSA 781.0 MSA 197.9 SSA 14.5
 BDE .3463 BRA 1.1511 BC3 1.6209 FSP -1915 SGI 2108.8 SG2 178.9 THA 172.25 EL1 588.0 EL2 134.7 ALF 161.06

LAUNCH DATE DEC 13 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 334.337

RL 147.27 LAL -0.00 LOL 80.78 VL 28.158 GAL -7.91 AZL 87.25 HCA 157.62 SMA 131.46 ECC .18204 INC 2.7513 V1 30.253
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.928 GAP 2.87 AZP 92.54 TAL 221.23 TAP 18.85 RCA 107.53 APO 155.39 V2 34.951
 RC 101.502 GL 16.91 GP 7.64 ZAL 143.39 ZAP 119.47 ETS 1.83 ZAE 149.32 ETE 173.13 ZAC 33.25 ETC 163.14 CLP-119.76

PLANETOCENTRIC CONIC

C3 21.174 VHL 4.602 OLA -4.68 RAL 292.73 RAD 6567.9 VEL 11.940 PTH 2.12 VMP 3.402 DPA -15.14 RAP 299.91 ECC 1.3485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 48 2082.70 -16.17 33.30 154.01 113.57 2 36 31 1482.7 -12.84 26.20
 90.00 12 50 11 5017.40 23.08 220.75 156.26 73.12 14 13 48 4417.4 20.55 212.99
 100.00 3 20 57 1827.39 -17.21 14.04 153.52 114.82 3 51 24 1227.4 -13.72 6.98
 100.00 14 13 43 4747.95 24.17 200.56 155.89 71.86 15 32 51 4147.9 21.47 192.81
 110.00 4 24 9 1629.51 -20.00 357.55 152.05 118.32 4 51 18 1029.5 -16.06 350.64
 110.00 15 27 0 4518.59 27.10 181.97 154.71 68.32 16 42 19 3918.6 23.91 174.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3074 TRA-1.1876 TC3-1.7906 BAU .5117 SGT 2250.1 SGR 347.7 SG3 566.7 ST 589.1 SR 216.3 SS 514.7
 RDE -.1696 RRA .1244 RC3 .2482 FAU .15782 RRT -.8790 RRF -.8984 RTF .9337 CRT -.7996 CRS .9803 CST -.8981
 FDE 1.2867 FRA-1.8250 FC3-6.4525 BSP 6764 SGB 2276.9 R23 .1535 R13 -.9353 LSA 787.3 MSA 196.8 SSA 13.3
 BDE .3511 BRA 1.1940 BC3 1.8077 FSP -1839 SGI 2270.9 SG2 164.3 THA 172.22 EL1 615.1 EL2 124.4 ALF 162.92

LAUNCH DATE DEC 13 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 340.473

RL 147.27 LAL -0.00 LOL 80.78 VL 28.119 GAL -7.76 AZL 87.36 HCA 160.81 SMA 131.18 ECC .18161 INC 2.6352 V1 30.253
 RP 108.46 LAP .87 LOP 241.60 VP 37.887 GAP 3.19 AZP 92.49 TAL 220.24 TAP 21.05 RCA 107.35 APO 155.00 V2 34.939
 RC 103.862 GL 16.42 GP 8.63 ZAL 142.82 ZAP 122.75 ETS 3.07 ZAE 147.04 ETE 171.81 ZAC 32.80 ETC 164.56 CLP-123.17

PLANETOCENTRIC CONIC

C3 20.544 VHL 4.533 OLA -5.03 RAL 293.84 RAD 6567.8 VEL 11.913 PTH 2.12 VMP 3.488 DPA -14.20 RAP 299.53 ECC 1.3381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 5 2064.41 -15.66 32.19 154.40 113.89 2 42 29 1464.4 -12.30 25.13
 90.00 12 51 9 5021.20 23.15 221.01 156.77 73.23 14 14 50 4421.2 20.64 213.24
 100.00 3 27 3 1809.65 -16.70 12.97 153.91 115.16 3 57 13 1209.6 -13.17 5.95
 100.00 14 14 51 4751.20 24.24 200.78 156.40 71.95 15 34 2 4151.2 21.55 193.02
 110.00 4 29 52 1612.99 -19.46 356.57 152.43 118.67 4 56 45 1013.0 -15.48 349.71
 110.00 15 28 32 4520.63 27.15 182.11 155.23 68.39 16 43 52 3920.6 23.97 174.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3117 TRA-1.2227 TC3-1.9823 BAU .5504 SGT 2406.6 SGR 367.2 SG3 543.3 ST 612.3 SR 202.9 SS 488.5
 RDE -.1558 RRA .1262 RC3 .2926 FAU .15024 RRT -.9086 RRF -.9315 RTF .9353 CRT -.8084 CRS .9847 CST -.8939
 FDE 1.1734 FRA-1.6544 FC3-6.3310 BSP 7302 SGB 2434.5 R23 .1875 R13 -.9370 LSA 785.0 MSA 195.4 SSA 12.1
 BDE .3485 BRA 1.2292 BC3 2.0038 FSP -1768 SGI 2429.7 SG2 151.9 THA 172.08 EL1 634.6 EL2 115.2 ALF 164.48

LAUNCH DATE DEC 13 1965 FLIGHT TIME 118.00 ARRIVAL DATE APR 10 1966

DISTANCE 346.586

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 28.078 GAL -7.59 AZL 87.52 MCA 164.00 SMA 130.88 ECC .18124 INC 2.4754 V1 30.253
 RP 108.50 LAP .68 LOP 244.79 VP 37.845 GAP 3.50 AZP 92.38 TAL 219.19 TAP 23.19 RCA 107.16 APO 154.60 V2 34.926
 RC 106.225 GL 15.65 GP 10.01 ZAL 142.28 ZAP 125.71 ETS 4.75 ZAE 144.90 ETE 170.11 ZAC 32.53 ETC 166.66 CLP-126.35

PLANETOCENTRIC CONIC
 C3 19.859 VML 4.456 OLA -5.63 RAL 294.66 RAD 6567.8 VEL 11.884 PTH 2.11 VMP 3.586 DPA -12.83 RAP 299.32 ECC 1.3268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 44 2037.29 -14.91 30.56 154.82 114.36 2 50 41 1437.3 -11.50 23.54
 90.00 12 50 37 5032.15 23.37 221.74 157.42 73.53 14 14 29 4432.2 20.89 213.94
 100.00 3 35 24 1783.48 -15.94 11.40 154.32 115.63 4 5 8 1183.5 -12.36 4.44
 100.00 14 14 37 4761.20 24.45 201.45 157.05 72.24 15 33 58 4161.2 21.79 193.66
 110.00 4 37 33 1588.92 -18.67 355.15 152.84 119.17 5 4 2 988.9 -14.64 348.35
 110.00 15 28 58 4528.52 27.35 182.64 155.91 68.64 16 44 26 3928.5 24.20 174.88

DIFFERENTIAL CORRECTIONS
 TDE .3037 TRA-1.2469 TC3-2.1844 BAU .5873
 RDE -.1420 RRA .1277 RC3 .3489 FAU .14209
 FDE 1.0464 FRA-1.4729 FC3-6.1940 BSP 7819
 BDE .3353 BRA 1.2535 BC3 2.2121 FSP -1683

MID-COURSE EXECUTION ACCURACY
 SGT 2557.0 SGR 396.5 SG3 517.7
 RRT -.9295 RRF -.9579 RTF .9358
 SGB 2587.6 R23 .2312 R13 -.9377
 SG1 2583.5 SG2 144.7 TMA 171.77

ORBIT DETERMINATION ACCURACY
 ST 624.1 SR 189.4 SS 455.7
 CRT -.8102 CRS .9887 CST -.8834
 LSA 771.2 MSA 195.1 SSA 10.8
 EL1 643.2 EL2 107.7 ALF 165.78

LAUNCH DATE DEC 13 1965 FLIGHT TIME 120.00 ARRIVAL DATE APR 12 1966

DISTANCE 352.677

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 28.035 GAL -7.42 AZL 87.76 MCA 167.18 SMA 130.57 ECC .18092 INC 2.2383 V1 30.253
 RP 108.54 LAP .50 LOP 247.97 VP 37.803 GAP 3.80 AZP 92.18 TAL 218.09 TAP 25.27 RCA 106.95 APO 154.19 V2 34.914
 RC 108.588 GL 14.39 GP 12.07 ZAL 141.82 ZAP 128.29 ETS 7.17 ZAE 142.80 ETE 167.74 ZAC 32.41 ETC 169.86 CLP-129.32

PLANETOCENTRIC CONIC
 C3 19.095 VML 4.370 OLA -6.70 RAL 295.83 RAD 6567.8 VEL 11.852 PTH 2.10 VMP 3.699 DPA -10.76 RAP 299.22 ECC 1.3143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 35 1994.11 -13.68 27.98 155.29 115.04 3 2 49 1394.1 -10.19 21.04
 90.00 12 47 5 5056.74 23.83 223.39 158.28 74.24 14 11 21 4456.7 21.44 215.53
 100.00 3 47 44 1742.02 -14.70 8.94 154.78 116.32 4 16 46 1142.0 -11.05 2.06
 100.00 14 11 37 4784.07 24.92 202.99 157.93 72.93 15 31 21 4184.1 22.34 195.13
 110.00 4 48 40 1551.24 -17.40 352.96 153.28 119.90 5 14 31 951.2 -13.30 346.26
 110.00 15 27 10 4547.61 27.81 183.93 156.83 69.28 16 42 58 3947.6 24.74 176.10

DIFFERENTIAL CORRECTIONS
 TDE .2736 TRA-1.2580 TC3-2.4057 BAU .6237
 RDE -.1270 RRA .1293 RC3 .4272 FAU .13370
 FDE .8824 FRA-1.2878 FC3-6.0618 BSP 8332
 BDE .3017 BRA 1.2647 BC3 2.4433 FSP -1600

MID-COURSE EXECUTION ACCURACY
 SGT 2703.3 SGR 443.1 SG3 491.0
 RRT -.9422 RRF -.9774 RTF .9359
 SGB 2739.3 R23 .2776 R13 -.9382
 SG1 2735.4 SG2 146.7 TMA 171.20

ORBIT DETERMINATION ACCURACY
 ST 617.2 SR 174.6 SS 407.3
 CRT -.7981 CRS .9914 CST -.8636
 LSA 734.6 MSA 194.0 SSA 9.5
 EL1 633.2 EL2 102.6 ALF 166.93

LAUNCH DATE DEC 13 1965 FLIGHT TIME 122.00 ARRIVAL DATE APR 14 1966

DISTANCE 358.749

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 27.991 GAL -7.23 AZL 88.15 MCA 170.36 SMA 130.25 ECC .18065 INC 1.8488 V1 30.253
 RP 108.58 LAP .31 LOP 251.15 VP 37.759 GAP 4.09 AZP 91.82 TAL 216.95 TAP 27.31 RCA 106.72 APO 153.79 V2 34.903
 RC 110.951 GL 12.12 GP 15.45 ZAL 141.53 ZAP 130.28 ETS 10.98 ZAE 140.48 ETE 164.08 ZAC 32.49 ETC 175.10 CLP-132.12

PLANETOCENTRIC CONIC
 C3 18.208 VML 4.267 OLA -8.75 RAL 297.25 RAD 6567.7 VEL 11.815 PTH 2.09 VMP 3.843 DPA -7.37 RAP 299.06 ECC 1.2996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 12 1917.45 -11.43 23.48 155.88 116.08 3 23 9 1317.5 -7.83 16.65
 90.00 12 36 48 5111.04 24.79 227.08 159.63 75.85 14 1 59 4511.0 22.60 219.09
 100.00 4 8 17 1668.77 -12.45 4.67 155.36 117.40 4 36 6 1068.8 -8.68 357.91
 100.00 14 2 24 4834.96 25.89 206.45 159.31 74.51 15 22 59 4235.0 23.51 198.46
 110.00 5 6 50 1485.46 -15.13 349.21 153.81 121.02 5 31 35 885.5 -10.91 342.66
 110.00 15 20 21 4591.03 28.82 186.90 158.27 70.78 16 36 52 3991.0 25.93 178.91

DIFFERENTIAL CORRECTIONS
 TDE .2024 TRA-1.2472 TC3-2.6576 BAU .6605
 RDE -.1083 RRA .1310 RC3 .5470 FAU .12395
 FDE .6590 FRA-1.0780 FC3-5.8934 BSP 8841
 BDE .2295 BRA 1.2540 BC3 2.7133 FSP -1493

MID-COURSE EXECUTION ACCURACY
 SGT 2844.1 SGR 520.3 SG3 459.0
 RRT -.9459 RRF -.9902 RTF .9351
 SGB 2891.2 R23 .3164 R13 -.9383
 SG1 2886.5 SG2 166.3 TMA 170.15

ORBIT DETERMINATION ACCURACY
 ST 580.4 SR 155.5 SS 331.8
 CRT -.7489 CRS .9923 CST -.8173
 LSA 659.2 MSA 191.3 SSA 8.4
 EL1 592.3 EL2 101.0 ALF 168.31

LAUNCH DATE DEC 13 1965 FLIGHT TIME 124.00 ARRIVAL DATE APR 16 1966

DISTANCE 364.799

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 27.946 GAL -7.04 AZL 88.92 MCA 173.54 SMA 129.93 ECC .18044 INC 1.0792 V1 30.253
 RP 108.61 LAP .12 LOP 254.32 VP 37.716 GAP 4.36 AZP 91.07 TAL 215.76 TAP 29.30 RCA 106.49 APO 153.38 V2 34.892
 RC 113.313 GL 7.26 GP 21.89 ZAL 141.54 ZAP 130.88 ETS 17.72 ZAE 137.11 ETE 157.73 ZAC 33.21 ETC 184.85 CLP-134.85

PLANETOCENTRIC CONIC
 C3 17.153 VML 4.142 OLA -13.32 RAL 299.27 RAD 6567.7 VEL 11.770 PTH 2.08 VMP 4.081 DPA -.94 RAP 298.48 ECC 1.2823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 37 2 1751.45 -6.31 13.97 157.17 117.66 4 6 13 1151.4 -2.55 7.30
 90.00 12 7 4 5249.31 26.74 236.73 162.40 80.31 13 34 33 4649.3 25.12 228.44
 100.00 4 51 25 1511.45 -7.37 355.75 156.59 119.05 5 16 36 911.5 -3.44 349.17
 100.00 13 35 22 4964.54 27.92 215.54 162.16 78.87 14 58 6 4364.5 26.10 207.21
 110.00 5 44 1 1346.70 -10.13 341.58 154.92 122.82 6 6 28 746.7 -5.73 335.25
 110.00 14 59 15 4702.06 31.06 194.77 161.32 74.94 16 17 37 4102.1 28.68 186.38

DIFFERENTIAL CORRECTIONS
 TDE .0281 TRA-1.1909 TC3-2.9594 BAU .7008
 RDE -.0698 RRA .1303 RC3 .7624 FAU .11051
 FDE .2823 FRA -.8155 FC3-5.5779 BSP 9382
 BDE .0751 BRA 1.1980 BC3 3.0560 FSP -1347

MID-COURSE EXECUTION ACCURACY
 SGT 2979.4 SGR 665.1 SG3 412.9
 RRT -.9413 RRF -.9972 RTF .9342
 SGB 3052.7 R23 .3347 R13 -.9395
 SG1 3044.8 SG2 219.6 TMA 168.07

ORBIT DETERMINATION ACCURACY
 ST 514.7 SR 112.8 SS 190.8
 CRT -.5748 CRS .9761 CST -.7255
 LSA 538.9 MSA 153.2 SSA 9.0
 EL1 518.9 EL2 91.6 ALF 172.59

LAUNCH DATE DEC 13 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 370.828

RL 147.27 LAL -0.00 LOL 80.78 VL 27.900 GAL -6.84 AZL 91.17 MCA 176.72 SMA 129.60 ECC .18028 INC 1.1562 V1 30.253
 RP 108.64 LAP -0.07 LOP 257.50 VP 37.671 GAP 4.63 ATP 88.84 TAL 214.52 TAP 31.24 RCA 106.24 APO 152.97 V2 34.881
 RC 115.873 GL -7.92 GP 37.96 ZAL 140.18 ZAP 125.99 ETS 31.46 ZAE 128.22 ETE 145.55 ZAC 38.24 ETC 206.05 CLP-138.19

PLANETOCENTRIC CONIC

C3 16.722 VHL 4.089 DLA -27.90 RAL 304.00 RAD 6567.7 VEL 11.752 PTH 2.07 VMP 4.850 DPA 14.91 RAP 295.79 ECC 1.2752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 9 989.60 17.17 330.34 168.29 112.87 7 44 38 389.6 20.12 322.91
 90.00 8 53 44 711.42 23.56 312.47 170.71 106.18 9 5 36 111.4 25.55 304.36
 100.00 8 0 48 884.03 13.44 320.81 166.50 116.95 8 15 32 284.0 16.95 313.77
 100.00 11 3 46 5580.26 27.54 260.64 171.82 102.11 12 36 47 4980.3 28.93 252.11
 110.00 8 5 49 868.28 7.99 316.40 163.28 123.35 8 20 17 268.3 12.33 309.98
 110.00 13 15 15 5168.78 33.76 230.53 172.96 95.69 14 41 24 4568.8 34.18 221.31

DIFFERENTIAL CORRECTIONS

TOE -.5530 TRA -.9622 TC3-3.1450 BAU .7493
 ROE .1131 RRA .0916 RC3 1.1590 FAU .07990
 FOE -.4896 FRA -.3603 FC3-4.1364 BSP 9859
 BOE .5645 BRA .9665 BC3 3.3518 FSP -982

MID-COURSE EXECUTION ACCURACY

SGT 3089.2 SGR 972.0 SG3 302.3
 RRT -.9267 RRF -.9993 RTF .9349
 SGB 3238.5 R23 .3236 R13 -.9458
 SG1 3219.5 SG2 350.6 TMA 163.55

ORBIT DETERMINATION ACCURACY

ST 903.2 SR 166.7 SS 299.4
 CRT -.9620 CRS .9993 CST -.9576
 LSA 961.7 MSA 91.5 SSA 4.8
 EL1 917.4 EL2 44.8 ALF 169.91

LAUNCH DATE DEC 13 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 376.666

RL 147.27 LAL -0.00 LOL 80.78 VL 27.852 GAL -6.60 AZL 156.96 MCA 179.72 SMA 129.27 ECC .17980 INC66.8232 V1 30.253
 RP 108.68 LAP -.25 LOP 260.67 VP 37.627 GAP 4.84 ATP 23.04 TAL 213.13 TAP 32.85 RCA 106.03 APO 152.51 V2 34.870
 RC 118.029 GL -52.41 GP 57.64 ZAL 95.39 ZAP 94.11 ETS 172.04 ZAE 61.94 ETE 251.80 ZAC 76.44 ETC 3.81 CLP 97.69

PLANETOCENTRIC CONIC

C31032.272 VHL 32.129 DLA -53.35 RAL 13.72 RAD 6573.0 VEL 33.964 PTH 3.51 VMP 41.805 DPA 53.45 RAP 215.38 ECC17.9886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.69 8 24 15 2352.10 -1.42 66.31 284.02 143.35 9 3 27 1752.1 5.99 61.94
 137.31 17 13 53 772.54 -1.40 300.16 284.04 143.35 17 26 45 172.5 6.01 295.79
 42.69 8 24 15 2352.10 -1.42 66.31 284.02 143.35 9 3 27 1752.1 5.99 61.94
 137.31 17 13 53 772.54 -1.40 300.16 284.04 143.35 17 26 45 172.5 6.01 295.79
 42.69 8 24 15 2352.10 -1.42 66.31 284.02 143.35 9 3 27 1752.1 5.99 61.94
 137.31 17 13 53 772.54 -1.40 300.16 284.04 143.35 17 26 45 172.5 6.01 295.79

DIFFERENTIAL CORRECTIONS

TOE 3.1627 TRA-1.5711 TC3 -.1035 BAU 4.5025
 ROE-3.9990 RRA10.8920 RC3 .3094 FAU-.07035
 FOE -.7159 FRA 2.1816 FC3 .0590 BSP 68949
 BOE 5.0992 BRA11.0047 BC3 .3263 FSP 1092

MID-COURSE EXECUTION ACCURACY

SGT 990.3 SGR 3879.7 SG3 66.1
 RRT -.8464 RRF .9996 RTF -.8320
 SGB 4004.1 R23 -.0551 R13 .9985
 SG1 3970.8 SG2 515.2 TMA 102.40

ORBIT DETERMINATION ACCURACY

ST 581.7 SR 1210.6 SS 844.5
 CRT -.7683 CRS -.9986 CST .7336
 LSA 1544.0 MSA 364.9 SSA .6
 EL1 1297.3 EL2 347.4 ALF 111.91

LAUNCH DATE DEC 13 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 382.865

RL 147.27 LAL -0.00 LOL 80.78 VL 27.804 GAL -6.43 AZL 81.79 MCA 183.09 SMA 128.93 ECC .18023 INC 8.2119 V1 30.253
 RP 108.71 LAP -.44 LOP 263.84 VP 37.582 GAP 5.15 ATP 98.20 TAL 211.96 TAP 35.05 RCA 105.70 APO 152.17 V2 34.860
 RC 120.382 GL 43.73 GP -38.10 ZAL 120.86 ZAP 128.77 ETS 317.80 ZAE 121.82 ETE 211.22 ZAC 62.12 ETC 126.65 CLP-142.73

PLANETOCENTRIC CONIC

C3 32.600 VHL 5.710 DLA 23.60 RAL 297.30 RAD 6568.3 VEL 12.409 PTH 2.24 VMP 5.113 DPA -59.28 RAP 316.47 ECC 1.5365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 5 11 3180.13 -26.35 109.35 176.31 79.24 22 58 11 2580.1 -27.57 100.89
 90.00 17 19 17 4133.32 -2.11 168.26 167.54 61.76 18 28 10 3533.3 -5.87 161.60
 100.00 23 45 18 2857.29 -28.54 86.03 176.74 80.71 24 32 56 2257.3 -29.53 77.37
 100.00 18 21 50 3931.39 -.17 152.34 166.46 60.11 19 27 22 3331.4 -4.15 145.81
 110.00 1 35 5 2526.15 -33.75 61.68 177.55 84.24 2 17 11 1926.1 -34.18 52.47
 110.00 18 52 29 3835.30 4.29 142.28 163.67 56.06 19 56 24 3235.3 -1.19 136.07

DIFFERENTIAL CORRECTIONS

TOE 2.0280 TRA-1.9122 TC3-1.6485 BAU .7327
 ROE .3953 RRA -.0323 RC3 -.3296 FAU .06831
 FOE 2.1156 FRA -.9230 FC3-1.8141 BSP 10819
 BOE 2.0662 BRA 1.9125 BC3 1.6811 FSP -917

MID-COURSE EXECUTION ACCURACY

SGT 3474.2 SGR 547.9 SG3 270.7
 RRT .8351 RRF .9653 RTF .9494
 SGB 3517.1 R23 .3027 R13 .9529
 SG1 3504.4 SG2 298.8 TMA 7.56

ORBIT DETERMINATION ACCURACY

ST 2130.6 SR 396.9 SS 947.7
 CRT .9631 CRS -.9934 CST -.9876
 LSA 2359.5 MSA 166.3 SSA .7
 EL1 2164.7 EL2 105.2 ALF 10.20

LAUNCH DATE DEC 13 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 388.842

RL 147.27 LAL -0.00 LOL 80.78 VL 27.756 GAL -6.20 AZL 84.24 MCA 186.26 SMA 128.60 ECC .18027 INC 5.7599 V1 30.253
 RP 108.74 LAP -.63 LOP 267.01 VP 37.537 GAP 5.40 ATP 95.73 TAL 210.61 TAP 36.87 RCA 105.41 APO 151.78 V2 34.851
 RC 122.731 GL 34.90 GP -20.41 ZAL 125.56 ZAP 138.93 ETS 332.21 ZAE 130.67 ETE 200.41 ZAC 50.99 ETC 137.78 CLP-143.55

PLANETOCENTRIC CONIC

C3 23.428 VHL 4.840 DLA 15.05 RAL 299.64 RAD 6568.0 VEL 12.034 PTH 2.15 VMP 4.467 DPA -41.74 RAP 311.62 ECC 1.3856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 51 11 2740.02 -27.91 77.46 169.16 94.98 24 36 51 2140.0 -26.93 68.93
 90.00 15 51 57 4409.10 6.74 183.70 162.23 62.43 17 5 26 3809.1 2.99 177.02
 100.00 1 24 37 2451.37 -29.28 56.07 169.00 96.32 2 5 29 1851.4 -28.10 47.47
 100.00 17 5 8 4172.98 7.95 165.68 161.58 61.09 18 14 41 3573.0 4.03 159.09
 110.00 2 51 5 2180.85 -32.87 34.93 168.40 99.95 3 27 26 1580.9 -31.15 26.13
 110.00 17 55 10 4016.26 11.07 151.92 159.70 57.49 19 2 6 3416.3 6.70 145.55

DIFFERENTIAL CORRECTIONS

TOE 1.3970 TRA-1.6805 TC3-2.4520 BAU .7710
 ROE .1696 RRA .0111 RC3 -.2192 FAU .08894
 FOE 1.8777 FRA -.8659 FC3-3.2867 BSP 11059
 BOE 1.4072 BRA 1.6806 BC3 2.4617 FSP -1164

MID-COURSE EXECUTION ACCURACY

SGT 3551.3 SGR 292.4 SG3 347.6
 RRT .7777 RRF .9407 RTF .9387
 SGB 3563.4 R23 .3320 R13 .9398
 SG1 3558.6 SG2 183.4 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 1766.8 SR 200.9 SS 867.4
 CRT .9295 CRS -.9868 CST -.9769
 LSA 1970.3 MSA 179.4 SSA 2.1
 EL1 1776.7 EL2 73.7 ALF 6.04

LAUNCH DATE DEC 13 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 394.807

RL 147.27 LAL -1.00 LOL 80.78 VL 27.706 GAL -5.97 AZL 85.05 HCA 189.43 SMA 128.26 ECC .18040 INC 4.9529 V1 30.253
 RP 108.76 LAP -1.81 LOP 270.17 VP 37.492 GAP 5.64 AZP 94.89 TAL 209.24 TAP 38.67 RCA 105.12 APO 151.39 V2 34.842
 RC 125.075 GL 31.46 GP -13.54 ZAL 126.30 ZAP 142.97 ETS 339.06 ZAE 132.52 ETE 134.29 ZAC 48.05 ETC 143.86 CLP-145.19

PLANETOCENTRIC CONIC

C3 20.780 VHL 4.558 CLA 11.96 RAL 301.51 RAD 6567.8 VEL 11.923 PTH 2.12 VHP 4.423 CPA -34.71 RAP 311.34 ECC 1.3420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 39 2604.01 -26.72 67.69 167.48 99.74 1 13 3 2004.0 -25.10 59.39
 90.00 15 32 22 4487.06 9.17 188.14 162.09 63.09 16 47 9 3887.1 5.48 181.39
 100.00 1 57 5 2322.03 -27.94 46.70 167.22 101.07 2 35 47 1722.0 -26.13 38.36
 100.00 16 47 37 4244.27 10.27 169.70 161.50 61.77 17 58 21 3644.3 6.42 163.03
 110.00 3 19 5 2065.43 -31.19 26.36 166.37 104.76 3 53 31 1465.4 -28.85 17.94
 110.00 17 42 6 4073.63 13.15 155.06 159.80 58.16 18 50 0 3473.6 8.85 148.60

DIFFERENTIAL CORRECTIONS

TOE 1.2174 TRA-1.5924 TC3-2.8743 BAU .7990
 RDE .1076 RRA .0301 RC3 -.1028 FAU .09062
 FDE 1.6556 FRA -.7332 FC3-3.7752 BSP 11412
 BDE 1.2222 BRA 1.5927 BC3 2.8761 FSP -1192

MID-COURSE EXECUTION ACCURACY

SGT 3659.8 SGR 169.0 SG3 356.9
 RRT .6038 RRF .8130 RTF .9347
 SGB 3663.7 R23 .3109 R13 .9350
 SG1 3661.2 SG2 134.7 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 1650.5 SR 135.8 SS 803.5
 CRT .8927 CRS -.9754 CST -.9698
 LSA 1831.4 MSA 185.3 SSA 3.5
 EL1 1655.0 EL2 61.0 ALF 4.21

LAUNCH DATE DEC 13 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 400.757

RL 147.27 LAL -1.00 LOL 80.78 VL 27.657 GAL -5.73 AZL 85.45 HCA 192.60 SMA 127.92 ECC .18061 INC 4.5499 V1 30.253
 RP 108.79 LAP -1.99 LOP 273.34 VP 37.448 GAP 5.88 AZP 94.44 TAL 207.83 TAP 40.43 RCA 104.81 APO 151.02 V2 34.834
 RC 127.413 GL 29.74 GP -9.99 ZAL 125.86 ZAP 145.55 ETS 342.89 ZAE 132.85 ETE 190.75 ZAC 47.42 ETC 147.72 CLP-146.86

PLANETOCENTRIC CONIC

C3 19.370 VHL 4.401 CLA 10.61 RAL 303.24 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 4.475 CPA -30.92 RAP 312.05 ECC 1.3188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 43 2542.33 -25.94 63.34 167.40 101.78 1 30 6 1942.3 -24.05 55.18
 90.00 15 28 5 4515.29 10.03 189.76 162.75 63.38 16 43 20 3915.3 6.38 182.98
 100.00 2 14 21 2262.93 -27.10 42.51 167.12 103.12 2 52 4 1662.9 -25.02 34.32
 100.00 16 44 8 4269.92 11.09 171.16 162.20 62.06 17 55 18 3669.9 7.27 164.46
 110.00 3 34 36 2011.83 -30.19 22.50 166.17 106.85 4 8 8 1411.8 -27.59 14.27
 110.00 17 40 23 4093.79 13.87 156.17 160.57 58.44 18 48 37 3493.8 9.59 149.68

DIFFERENTIAL CORRECTIONS

TOE 1.1449 TRA-1.5370 TC3-3.1898 BAU .8261
 RDE .0872 RRA .0362 RC3 -.0216 FAU .08842
 FDE 1.5038 FRA -.6096 FC3-3.9516 BSP 11828
 BDE 1.1482 BRA 1.5374 BC3 3.1898 FSP -1177

MID-COURSE EXECUTION ACCURACY

SGT 3774.8 SGR 124.7 SG3 351.8
 RRT .2656 RRF .4916 RTF .9321
 SGB 3776.8 R23 .2529 R13 .9321
 SG1 3774.9 SG2 120.2 THA .50

ORBIT DETERMINATION ACCURACY

ST 1612.9 SR 114.5 SS 763.8
 CRT .8695 CRS -.9681 CST -.9650
 LSA 1778.3 MSA 189.2 SSA 5.0
 EL1 1616.0 EL2 56.5 ALF 3.54

LAUNCH DATE DEC 13 1965

FLIGHT TIME 138.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 406.693

RL 147.27 LAL -1.00 LOL 80.78 VL 27.607 GAL -5.48 AZL 85.69 HCA 195.77 SMA 127.58 ECC .18090 INC 4.3069 V1 30.253
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.404 GAP 6.11 AZP 94.15 TAL 206.40 TAP 42.17 RCA 104.50 APO 150.66 V2 34.826
 RC 129.747 GL 28.76 GP -7.85 ZAL 124.90 ZAP 147.61 ETS 345.31 ZAE 132.73 ETE 188.49 ZAC 47.74 ETC 150.45 CLP-148.47

PLANETOCENTRIC CONIC

C3 18.404 VHL 4.290 CLA 10.04 RAL 304.94 RAD 6567.7 VEL 11.823 PTH 2.09 VHP 4.557 CPA -28.47 RAP 313.18 ECC 1.3029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 10 2511.50 -25.49 61.20 167.99 102.77 1 41 1 1911.5 -23.48 53.10
 90.00 15 30 15 4522.03 10.24 190.15 163.71 63.45 16 45 37 3922.0 6.59 183.37
 100.00 2 25 28 2233.14 -26.62 40.42 167.69 104.12 3 2 41 1633.1 -24.42 32.32
 100.00 16 46 37 4275.62 11.27 171.49 163.17 62.13 17 57 53 3675.6 7.46 164.78
 110.00 3 45 0 1984.29 -29.63 20.55 166.71 107.88 4 18 4 1384.3 -26.90 12.42
 110.00 17 43 35 4097.24 13.99 156.36 161.58 58.49 18 51 52 3497.2 9.72 149.87

DIFFERENTIAL CORRECTIONS

TOE 1.1182 TRA-1.4879 TC3-3.4572 BAU .8507
 RDE .0816 RRA .0366 RC3 .0381 FAU .08501
 FDE 1.3970 FRA -.4953 FC3-3.9989 BSP 12195
 BDE 1.1212 BRA 1.4883 BC3 3.4574 FSP -1145

MID-COURSE EXECUTION ACCURACY

SGT 3886.1 SGR 124.1 SG3 342.4
 RRT -.0711 RRF .1178 RTF .9298
 SGB 3888.1 R23 -.1844 R13 -.9298
 SG1 3886.1 SG2 123.8 THA 179.87

ORBIT DETERMINATION ACCURACY

ST 1613.9 SR 110.0 SS 739.9
 CRT .8655 CRS -.9685 CST -.9618
 LSA 1768.5 MSA 191.7 SSA 6.3
 EL1 1616.8 EL2 55.0 ALF 3.38

LAUNCH DATE DEC 13 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 412.616

RL 147.27 LAL -1.00 LOL 80.78 VL 27.557 GAL -5.23 AZL 85.86 HCA 198.94 SMA 127.24 ECC .18128 INC 4.1438 V1 30.253
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.360 GAP 6.34 AZP 93.92 TAL 204.93 TAP 43.87 RCA 104.17 APO 150.30 V2 34.819
 RC 132.074 GL 28.16 GP -6.42 ZAL 123.62 ZAP 149.40 ETS 346.98 ZAE 132.47 ETE 186.93 ZAC 48.55 ETC 152.52 CLP-150.01

PLANETOCENTRIC CONIC

C3 17.653 VHL 4.202 CLA 9.89 RAL 306.68 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 4.650 CPA -26.69 RAP 314.56 ECC 1.2905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 16 2496.92 -25.27 60.19 168.96 103.23 1 48 53 1896.9 -23.20 52.13
 90.00 15 35 57 4517.17 10.09 189.87 164.84 63.40 16 51 14 3917.2 6.44 183.09
 100.00 2 33 30 2218.83 -26.38 39.43 168.65 104.59 3 10 28 1618.8 -24.12 31.36
 100.00 16 52 25 4270.50 11.11 171.20 164.31 62.07 18 3 35 3670.5 7.29 164.49
 110.00 3 52 50 1970.56 -29.34 19.58 167.66 108.38 4 25 40 1370.6 -26.55 11.51
 110.00 17 49 34 4091.53 13.79 156.05 162.74 58.41 18 57 45 3491.5 9.51 149.56

DIFFERENTIAL CORRECTIONS

TOE 1.1136 TRA-1.4401 TC3-3.7057 BAU .8748
 RDE .0823 RRA .0340 RC3 .0846 FAU .08131
 FDE 1.3169 FRA -.3909 FC3-3.9874 BSP 12583
 BDE 1.1167 BRA 1.4405 BC3 3.7066 FSP -1109

MID-COURSE EXECUTION ACCURACY

SGT 3997.0 SGR 141.0 SG3 331.8
 RRT -.2564 RRF -.1144 RTF .9278
 SGB 3999.5 R23 -.1281 R13 -.9277
 SG1 3997.2 SG2 136.2 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 1634.8 SR 113.2 SS 725.5
 CRT .8749 CRS -.9742 CST -.9598
 LSA 1781.6 MSA 193.7 SSA 7.7
 EL1 1637.8 EL2 54.7 ALF 3.47

LAUNCH DATE DEC 13 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 418.521

RL 147.27 LAL -0.00 LOL 80.78 VL 27.506 GAL -4.96 AZL 85.97 MCA 202.11 SMA 126.90 ECC .18175 INC 4.0258 VI 30.253
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.317 GAP 6.57 AZP 93.73 TAL 203.45 TAP 45.56 RCA 103.84 APO 149.97 V2 34.812
 RC 134.395 GL 27.79 GP -5.41 ZAL 122.14 ZAP 151.02 ETS 348.19 ZAE 132.15 ETE 185.80 ZAC 49.66 ETC 154.19 CLP-151.49

PLANETOCENTRIC CONIC

C3 17.031 VHL 4.127 DLA 10.00 RAL 308.46 RAD 6567.7 VEL 11.765 PTH 2.08 VMP 4.750 DPA -25.29 RAP 316.09 ECC 1.2803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 28 2492.29 -25.19 59.87 170.17 103.37 1 55 0 1892.3 -23.11 51.82
 90.00 15 43 57 4505.20 9.72 189.18 166.11 63.27 16 59 2 3905.2 6.06 182.41
 100.00 2 39 45 2213.99 -26.30 39.09 169.86 104.75 3 16 39 1614.0 -24.01 31.04
 100.00 17 0 21 4258.73 10.73 170.52 165.58 61.93 18 11 20 3658.7 6.90 163.84
 110.00 3 59 14 1965.28 -29.23 19.22 168.87 108.57 4 31 59 1365.3 -26.41 11.16
 110.00 17 57 22 4080.20 13.38 155.42 164.02 58.25 19 5 22 3480.2 9.09 148.95

DIFFERENTIAL CORRECTIONS

TDE 1.0968 TRA-1.4150 TC3-4.0027 BAU .9118
 RDE .0857 RRA .0288 RC3 .1209 FAU .07982
 FDE 1.2095 FRA -.3424 FC3-4.0575 BSP 13577
 BDE 1.1002 BRA 1.4153 BC3 4.0046 FSP -1170

MID-COURSE EXECUTION ACCURACY

SGT 4148.9 SGR 160.6 SG3 326.4
 RRT -.3445 RRF -.2539 RTF .9306
 SGB 4152.0 R23 -.0716 R13 -.9306
 SG1 4149.3 SG2 150.7 TMA 179.24

ORBIT DETERMINATION ACCURACY

ST 1639.1 SR 119.7 SS 692.9
 CRT .8852 CRS -.9788 CST -.9588
 LSA 1773.5 MSA 189.0 SSA 9.3
 EL1 1642.6 EL2 55.6 ALF 3.70

LAUNCH DATE DEC 13 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 424.420

RL 147.27 LAL -0.00 LOL 80.78 VL 27.456 GAL -4.69 AZL 86.06 MCA 205.27 SMA 126.57 ECC .18232 INC 3.9363 VI 30.253
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.274 GAP 6.79 AZP 93.56 TAL 201.93 TAP 47.20 RCA 103.49 APO 149.64 V2 34.806
 RC 136.709 GL 27.55 GP -4.66 ZAL 120.48 ZAP 152.52 ETS 349.12 ZAE 131.84 ETE 184.94 ZAC 50.98 ETC 155.58 CLP-152.88

PLANETOCENTRIC CONIC

C3 16.492 VHL 4.061 DLA 10.30 RAL 310.31 RAD 6567.7 VEL 11.742 PTH 2.07 VMP 4.853 DPA -24.10 RAP 317.74 ECC 1.2714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 27 2494.69 -25.23 60.03 171.60 103.30 2 0 2 1894.7 -23.15 51.98
 90.00 15 53 46 4488.03 9.20 188.19 167.51 63.10 17 8 34 3888.0 5.52 181.45
 100.00 2 44 54 2215.86 -26.33 39.22 171.29 104.69 3 21 50 1615.9 -24.05 31.16
 100.00 17 10 0 4242.09 10.20 169.58 166.98 61.75 18 20 42 3642.1 6.34 162.91
 110.00 4 4 46 1965.98 -29.24 19.26 170.31 108.55 4 37 31 1366.0 -26.43 11.21
 110.00 18 6 38 4064.74 12.83 154.57 165.43 58.04 19 14 23 3464.7 8.51 148.13

DIFFERENTIAL CORRECTIONS

TDE 1.1558 TRA-1.3200 TC3-4.1408 BAU .9136
 RDE .0917 RRA .0237 RC3 .1548 FAU .07299
 FDE 1.2204 FRA -.1847 FC3-3.8314 BSP 13016
 BDE 1.1592 BRA 1.3202 BC3 4.1437 FSP -998

MID-COURSE EXECUTION ACCURACY

SGT 4189.5 SGR 183.5 SG3 308.1
 RRT -.3591 RRF -.2711 RTF .9219
 SGB 4193.5 R23 -.0649 R13 -.9219
 SG1 4190.0 SG2 171.3 TMA 179.10

ORBIT DETERMINATION ACCURACY

ST 1729.3 SR 129.8 SS 723.8
 CRT .9120 CRS -.9888 CST -.9586
 LSA 1868.8 MSA 196.8 SSA 10.0
 EL1 1733.4 EL2 53.1 ALF 3.92

LAUNCH DATE DEC 13 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 430.302

RL 147.27 LAL -0.00 LOL 80.78 VL 27.405 GAL -4.40 AZL 86.13 MCA 208.44 SMA 126.23 ECC .18299 INC 3.8655 VI 30.253
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.232 GAP 7.01 AZP 93.40 TAL 200.40 TAP 48.83 RCA 103.13 APO 149.33 V2 34.801
 RC 139.015 GL 27.40 GP -4.08 ZAL 118.67 ZAP 153.93 ETS 349.84 ZAE 131.54 ETE 184.27 ZAC 52.45 ETC 156.78 CLP-154.22

PLANETOCENTRIC CONIC

C3 16.023 VHL 4.003 DLA 10.73 RAL 312.24 RAD 6567.6 VEL 11.722 PTH 2.07 VMP 4.960 DPA -23.05 RAP 319.48 ECC 1.2637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 40 2502.19 -25.35 60.55 173.20 103.06 2 4 22 1902.2 -23.30 52.48
 90.00 16 4 57 4467.37 8.56 187.01 169.04 62.90 17 19 24 3867.4 4.86 180.28
 100.00 2 49 22 2222.57 -26.44 39.69 172.90 104.47 3 26 24 1622.6 -24.20 31.61
 100.00 17 20 56 4222.22 9.56 168.45 168.51 61.54 18 31 18 3622.2 5.68 161.81
 110.00 4 9 45 1971.00 -29.35 19.62 171.93 108.36 4 42 36 1371.0 -26.56 11.54
 110.00 18 17 2 4046.56 12.17 153.57 166.96 57.81 19 24 28 3446.6 7.83 147.16

DIFFERENTIAL CORRECTIONS

TDE 1.1820 TRA-1.2587 TC3-4.3649 BAU .9359
 RDE .0979 RRA .0168 RC3 .1818 FAU .06963
 FDE 1.1744 FRA -.1044 FC3-3.7622 BSP 13386
 BDE 1.1860 BRA 1.2588 BC3 4.3687 FSP -970

MID-COURSE EXECUTION ACCURACY

SGT 4293.7 SGR 203.5 SG3 298.3
 RRT -.3623 RRF -.2943 RTF .9206
 SGB 4298.6 R23 -.0429 R13 -.9206
 SG1 4294.4 SG2 189.6 TMA 179.01

ORBIT DETERMINATION ACCURACY

ST 1782.1 SR 140.3 SS 721.6
 CRT .9296 CRS -.9933 CST -.9591
 LSA 1917.8 MSA 195.5 SSA 11.2
 EL1 1786.9 EL2 51.6 ALF 4.19

LAUNCH DATE DEC 13 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 436.170

RL 147.27 LAL -0.00 LOL 80.78 VL 27.355 GAL -4.11 AZL 86.19 MCA 211.60 SMA 125.90 ECC .18378 INC 3.8078 VI 30.253
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.191 GAP 7.23 AZP 93.24 TAL 198.84 TAP 50.44 RCA 102.77 APO 149.04 V2 34.797
 RC 141.312 GL 27.30 GP -3.62 ZAL 116.73 ZAP 155.26 ETS 350.43 ZAE 131.26 ETE 183.73 ZAC 54.04 ETC 157.83 CLP-155.51

PLANETOCENTRIC CONIC

C3 15.612 VHL 3.951 DLA 11.26 RAL 314.25 RAD 6567.6 VEL 11.705 PTH 2.06 VMP 5.069 DPA -22.08 RAP 321.30 ECC 1.2569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 20 2513.88 -25.53 61.36 174.98 102.69 2 8 14 1913.9 -23.52 53.26
 90.00 16 17 20 4443.89 7.83 185.67 170.72 62.70 17 31 24 3843.9 4.11 178.97
 100.00 2 53 20 2233.27 -26.62 40.43 174.69 104.12 3 30 34 1633.3 -24.42 32.32
 100.00 17 33 1 4199.74 8.82 167.19 170.18 61.32 18 43 1 3599.7 4.93 160.56
 110.00 4 14 25 1979.56 -29.53 20.22 173.74 108.05 4 47 25 1379.6 -26.78 12.11
 110.00 18 28 26 4026.21 11.43 152.46 168.62 57.56 19 35 32 3426.2 7.07 146.08

DIFFERENTIAL CORRECTIONS

TDE 1.2126 TRA-1.1921 TC3-4.5865 BAU .9583
 RDE .1045 RRA .0093 RC3 .2053 FAU .06647
 FDE 1.1328 FRA -.0307 FC3-3.6861 BSP 13794
 BDE 1.2171 BRA 1.1922 BC3 4.5911 FSP -949

MID-COURSE EXECUTION ACCURACY

SGT 4397.2 SGR 222.4 SG3 289.0
 RRT -.3534 RRF -.3015 RTF .9198
 SGB 4402.8 R23 -.0260 R13 -.9197
 SG1 4397.9 SG2 208.1 TMA 178.97

ORBIT DETERMINATION ACCURACY

ST 1839.4 SR 151.7 SS 720.4
 CRT .9454 CRS -.9957 CST -.9601
 LSA 1971.8 MSA 193.2 SSA 12.4
 EL1 1845.0 EL2 49.3 ALF 4.46

LAUNCH DATE DEC 13 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 442.025

RL 147.27 LAL -.00 LOL 80.78 VL 27.305 GAL -3.81 AZL 86.24 MCA 214.76 SMA 125.58 ECC .18468 INC 3.7597 V1 30.253
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.150 GAP 7.45 AZP 93.09 TAL 197.26 TAP 52.03 RCA 102.38 APO 148.77 V2 34.793
 RC 143.598 GL 27.22 GP -3.25 ZAL 114.67 ZAP 156.52 ETS 350.91 ZAE 131.02 ETE 183.30 ZAC 55.73 ETC 158.75 CLP-156.73

PLANETOCENTRIC CONIC

C3 15.253 VML 3.906 DLA 11.87 RAL 316.36 RAD 6567.6 VEL 11.689 PTH 2.06 VMP 5.181 DPA -21.17 RAP 323.17 ECC 1.2510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 37 2529.16 -25.75 62.42 176.93 102.20 2 11 47 1929.2 -23.81 54.29
 90.00 16 30 51 4418.14 7.02 184.21 172.53 62.50 17 44 29 3818.1 3.28 177.52
 100.00 2 57 0 2247.36 -26.85 41.41 176.65 103.65 3 34 27 1647.4 -24.71 33.27
 100.00 17 46 10 4175.18 8.02 165.81 171.99 61.11 18 55 45 3575.2 4.10 159.21
 110.00 4 18 53 1991.13 -29.77 21.03 175.72 107.62 4 52 4 1391.1 -27.08 12.88
 110.00 18 40 46 4004.17 10.82 151.26 170.42 57.32 19 47 30 3404.2 6.24 144.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2517 TRA-1.1158 TC3-4.7937 BAU .9786 SGT 4493.4 SGR 240.4 SCS 279.6 ST 1907.0 SR 163.5 SS 723.8
 RDE .1114 RRA .0013 RC3 .2256 FAU .06323 RRT -.3360 RRF -.2957 RTF .9185 CRT .9596 CRS -.9964 CST -.9615
 FDE 1.1007 FRA .0428 FC3-3.5888 BSP 14129 SGB 4499.9 R23 -.0145 R13 -.9185 LSA 2037.3 MSA 190.6 SSA 13.5
 BOE 1.2567 BRA 1.1158 BC3 4.7990 FSP -920 SGI 4494.2 SGT 226.4 THA 178.97 EL1 1913.4 EL2 45.8 ALF 4.71

LAUNCH DATE DEC 13 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 447.868

RL 147.27 LAL -.00 LOL 80.78 VL 27.255 GAL -3.49 AZL 86.28 MCA 217.92 SMA 125.25 ECC .18571 INC 3.7187 V1 30.253
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.111 GAP 7.67 AZP 92.94 TAL 195.67 TAP 53.59 RCA 101.99 APO 148.51 V2 34.790
 RC 145.874 GL 27.16 GP -2.94 ZAL 112.48 ZAP 157.73 ETS 351.32 ZAE 130.80 ETE 182.94 ZAC 57.50 ETC 159.59 CLP-157.92

PLANETOCENTRIC CONIC

C3 14.945 VML 3.866 DLA 12.55 RAL 318.56 RAD 6567.6 VEL 11.678 PTH 2.05 VMP 5.295 DPA -20.29 RAP 325.09 ECC 1.2460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 39 2547.63 -26.01 63.71 179.06 101.61 2 15 6 1947.6 -24.15 55.54
 90.00 16 45 24 4390.53 6.15 182.65 174.50 62.30 17 58 35 3790.5 2.39 175.98
 100.00 3 0 27 2264.46 -27.12 42.61 178.78 103.07 3 38 11 1864.5 -25.05 34.43
 100.00 18 0 17 4148.93 7.15 164.34 173.98 60.90 19 9 26 3548.9 3.22 157.76
 110.00 4 23 15 2005.35 -30.06 22.04 177.88 107.09 4 56 40 1405.3 -27.43 13.83
 110.00 18 53 58 3980.81 9.76 150.00 172.37 57.08 20 0 19 3380.8 5.36 143.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2960 TRA-1.0316 TC3-4.9911 BAU .9984 SGT 4586.4 SGR 257.3 SCS 270.6 ST 1980.8 SR 175.6 SS 728.7
 RDE .1184 RRA -.0071 RC3 .2429 FAU .06013 RRT -.3143 RRF -.2838 RTF .9174 CRT .9715 CRS -.9953 CST -.9633
 FDE 1.0727 FRA .1127 FC3-3.4830 BSP 14447 SGB 4593.6 R23 -.0057 R13 -.9174 LSA 2109.5 MSA 187.4 SSA 14.5
 BOE 1.3014 BRA 1.0316 BC3 4.9970 FSP -892 SGI 4587.1 SGT 244.2 THA 178.99 EL1 1988.1 EL2 41.5 ALF 4.92

LAUNCH DATE DEC 13 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 453.697

RL 147.27 LAL -.00 LOL 80.78 VL 27.205 GAL -3.17 AZL 86.32 MCA 221.09 SMA 124.93 ECC .18687 INC 3.6831 V1 30.253
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.072 GAP 7.89 AZP 92.78 TAL 194.05 TAP 55.14 RCA 101.59 APO 148.28 V2 34.787
 RC 148.138 GL 27.08 GP -2.69 ZAL 110.18 ZAP 158.89 ETS 351.66 ZAE 130.61 ETE 182.63 ZAC 59.33 ETC 160.34 CLP-159.05

PLANETOCENTRIC CONIC

C3 14.688 VML 3.833 DLA 13.29 RAL 320.86 RAD 6567.6 VEL 11.665 PTH 2.05 VMP 5.412 DPA -19.42 RAP 327.05 ECC 1.2417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 28 2569.02 -26.29 65.22 181.36 100.91 2 18 17 1969.0 -24.52 56.99
 90.00 17 0 57 4361.40 5.23 181.01 178.64 62.13 18 13 38 3761.4 1.46 174.36
 100.00 3 3 45 2284.32 -27.42 44.02 181.10 102.39 3 41 49 1684.3 -25.44 35.78
 100.00 18 15 21 4121.34 6.24 162.80 178.08 60.71 19 24 2 3521.3 2.29 156.24
 110.00 4 27 35 2021.98 -30.39 23.22 180.22 106.46 5 1 17 1422.0 -27.84 14.96
 110.00 19 8 0 3956.44 8.86 148.69 174.48 56.85 20 13 57 3356.4 4.43 142.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3474 TRA -.9371 TC3-5.1695 BAU 1.0164 SGT 4672.4 SGR 273.2 SCS 261.7 ST 2063.6 SR 187.8 SS 736.5
 RDE .1255 RRA -.0157 RC3 .2573 FAU .05700 RRT -.2890 RRF -.2657 RTF .9160 CRT .9812 CRS -.9925 CST -.9653
 FDE 1.0507 FRA .1819 FC3-3.3593 BSP 14701 SGB 4680.4 R23 .0002 R13 -.9160 LSA 2191.3 MSA 183.8 SSA 15.5
 BOE 1.3533 BRA .9373 BC3 5.1759 FSP -858 SGI 4673.0 SGT 261.5 THA 179.03 EL1 2071.8 EL2 36.1 ALF 5.10

LAUNCH DATE DEC 13 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 459.513

RL 147.27 LAL -.00 LOL 80.78 VL 27.155 GAL -2.84 AZL 86.35 MCA 224.25 SMA 124.62 ECC .18817 INC 3.6518 V1 30.253
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.034 GAP 8.11 AZP 92.62 TAL 192.42 TAP 56.67 RCA 101.17 APO 148.06 V2 34.786
 RC 150.390 GL 26.99 GP -2.47 ZAL 107.77 ZAP 160.00 ETS 351.94 ZAE 130.44 ETE 182.38 ZAC 61.23 ETC 161.03 CLP-160.15

PLANETOCENTRIC CONIC

C3 14.484 VML 3.806 DLA 14.07 RAL 323.27 RAD 6567.6 VEL 11.656 PTH 2.05 VMP 5.532 DPA -18.56 RAP 329.05 ECC 1.2384
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 10 2593.13 -26.59 66.92 183.83 100.10 2 21 23 1993.1 -24.93 58.65
 90.00 17 17 26 4331.06 4.26 179.30 178.94 61.98 18 29 37 3731.1 .48 172.66
 100.00 3 6 59 2306.73 -27.74 45.60 183.59 101.61 3 45 25 1706.7 -25.86 37.31
 100.00 18 31 19 4092.70 5.28 161.22 178.38 60.53 19 39 31 3492.7 1.31 154.67
 110.00 4 31 57 2040.83 -30.75 24.57 182.75 105.73 5 5 58 1440.8 -28.28 16.24
 110.00 19 22 49 3931.36 7.92 147.35 176.75 56.64 20 28 21 3331.4 3.48 141.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4007 TRA -.8370 TC3-5.3396 BAU 1.0352 SGT 4759.5 SGR 288.3 SCS 253.6 ST 2147.9 SR 200.0 SS 742.5
 RDE .1326 RRA -.0244 RC3 .2688 FAU .05417 RRT -.2631 RRF -.2475 RTF .9155 CRT .9883 CRS -.9885 CST -.9674
 FDE 1.0278 FRA .2441 FC3-3.2380 BSP 15014 SGB 4768.2 R23 .0061 R13 -.9155 LSA 2274.3 MSA 179.3 SSA 16.5
 BOE 1.4069 BRA .8374 BC3 5.3463 FSP -835 SGI 4760.1 SGT 278.1 THA 179.08 EL1 2157.0 EL2 30.4 ALF 5.26

LAUNCH DATE DEC 13 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 465.516

RL 147.27 LAL -0.00 LOL 80.78 VL 27.106 GAL -2.49 AZL 86.38 MCA 227.41 SMA 124.30 ECC .18962 INC 3.6238 V1 30.253
 RP 108.94 LAP -2.67 LOP 308.13 VP 36.997 GAP 8.33 AZP 92.45 TAL 190.77 TAP 58.18 RCA 100.73 APO 147.87 V2 34.785
 RC 152.629 GL 26.88 GP -2.29 ZAL 105.28 ZAP 161.07 ETS 352.18 ZAE 130.31 ETE 182.16 ZAC 63.18 ETC 161.66 CLP-161.20

PLANETOCENTRIC CONIC

C3 14.334 VHL 3.786 DLA 14.90 RAL 325.78 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 5.656 DPA -17.70 RAP 331.08 ECC 1.2359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 47 2619.83 -26.90 68.81 186.50 99.20 2 24 27 2019.8 -25.35 60.49
 90.00 17 34 50 4299.77 3.25 177.55 181.42 61.86 18 46 30 3699.8 -.53 170.92
 100.00 3 10 11 2331.53 -28.07 47.38 186.27 100.74 3 49 2 1751.5 -26.30 39.02
 100.00 18 48 8 4063.29 4.29 159.59 180.85 60.39 19 55 51 3463.3 .32 153.06
 110.00 4 36 24 2061.76 -31.12 26.09 185.47 104.91 5 10 46 1461.8 -28.76 17.68
 110.00 19 38 24 3905.83 6.96 146.00 179.20 56.45 20 43 30 3305.8 2.50 159.75

DIFFERENTIAL CORRECTIONS

TDE 1.4580 TRA -.7283 TC3-5.4903 BAU 1.0535
 RDE .1399 RRA -.0331 RC3 .2770 FAU .05142
 FDE 1.0072 FRA .3039 FC3-3.1057 BSP 15311
 BDE 1.4647 BRA .7290 BC3 5.4973 FSP -811

MID-COURSE EXECUTION ACCURACY

SGT 4842.8 SGR 302.5 SG3 245.6
 RRT -.2362 RRF -.2272 RTF .9151
 SGB 4852.2 R23 .0106 R13 -.9151
 SGI 4843.3 SG2 293.9 TMA 179.15

ORBIT DETERMINATION ACCURACY

ST 2236.3 SR 212.3 SS 748.9
 CRT .9931 CRS -.9833 CST -.9696
 LSA 2361.4 MSA 174.6 SSA 17.4
 EL1 2246.3 EL2 24.8 ALF 5.39

LAUNCH DATE DEC 13 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 471.104

RL 147.27 LAL -0.00 LOL 80.78 VL 27.057 GAL -2.14 AZL 86.40 MCA 230.57 SMA 123.99 ECC .19122 INC 3.5985 V1 30.253
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.960 GAP 8.56 AZP 92.29 TAL 189.11 TAP 59.68 RCA 100.28 APO 147.70 V2 34.784
 RC 154.855 GL 26.72 GP -2.13 ZAL 102.64 ZAP 162.11 ETS 352.38 ZAE 130.19 ETE 181.98 ZAC 65.17 ETC 162.24 CLP-162.23

PLANETOCENTRIC CONIC

C3 14.243 VHL 3.774 DLA 15.75 RAL 328.39 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 5.783 DPA -16.83 RAP 333.13 ECC 1.2344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 21 2648.97 -27.20 70.89 189.34 98.20 2 27 30 2049.0 -25.78 62.51
 90.00 17 53 7 4267.82 2.23 175.76 184.08 61.76 19 4 14 3667.8 -1.57 169.14
 100.00 3 13 24 2358.60 -28.39 49.32 189.13 99.76 3 52 42 1758.6 -26.75 40.90
 100.00 19 5 46 4033.41 3.29 157.94 183.49 60.27 20 12 59 3433.4 -.70 151.42
 110.00 4 40 58 2084.62 -31.51 27.76 188.37 103.99 5 15 42 1484.6 -29.27 19.27
 110.00 19 54 41 3880.16 5.99 144.64 181.81 56.28 20 59 21 3280.2 1.52 138.41

DIFFERENTIAL CORRECTIONS

TDE 1.5202 TRA -.6102 TC3-5.6177 BAU 1.0711
 RDE .1473 RRA -.0417 RC3 .2823 FAU .04879
 FDE .9888 FRA .3612 FC3-2.9657 BSP 15591
 BDE 1.5273 BRA .6117 BC3 5.6248 FSP -788

MID-COURSE EXECUTION ACCURACY

SGT 4922.7 SGR 315.8 SG3 238.0
 RRT -.2084 RRF -.2054 RTF .9150
 SGB 4932.8 R23 .0142 R13 -.9150
 SGI 4923.1 SG2 308.9 TMA 179.23

ORBIT DETERMINATION ACCURACY

ST 2329.3 SR 224.6 SS 755.6
 CRT .9959 CRS -.9772 CST -.9719
 LSA 2453.2 MSA 169.8 SSA 18.2
 EL1 2340.1 EL2 20.3 ALF 5.49

LAUNCH DATE DEC 13 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 476.879

RL 147.27 LAL -0.00 LOL 80.78 VL 27.008 GAL -1.77 AZL 86.42 MCA 233.73 SMA 123.69 ECC .19300 INC 3.5755 V1 30.253
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.925 GAP 8.79 AZP 92.12 TAL 187.43 TAP 61.17 RCA 99.82 APO 147.56 V2 34.785
 RC 157.067 GL 26.52 GP -1.99 ZAL 99.94 ZAP 163.11 ETS 352.54 ZAE 130.10 ETE 181.83 ZAC 67.21 ETC 162.77 CLP-163.22

PLANETOCENTRIC CONIC

C3 14.215 VHL 3.770 DLA 16.61 RAL 331.11 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 5.914 DPA -15.98 RAP 335.20 ECC 1.2339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 55 2680.42 -27.48 73.15 192.38 97.10 2 30 36 2080.4 -26.21 64.71
 90.00 18 12 13 4235.48 1.18 173.96 186.93 61.71 19 22 48 3635.5 -2.61 167.33
 100.00 3 16 40 2387.00 -28.71 51.43 192.18 98.69 3 56 27 1787.8 -27.21 42.95
 100.00 19 24 9 4003.33 2.27 156.29 186.53 60.19 20 30 53 3403.3 -1.72 149.77
 110.00 4 45 41 2109.28 -31.90 29.57 191.47 102.98 5 20 50 1509.3 -29.79 21.00
 110.00 20 11 38 3854.62 5.03 143.30 184.61 56.14 21 15 52 3254.6 .55 137.08

DIFFERENTIAL CORRECTIONS

TDE 1.5887 TRA -.4807 TC3-5.7107 BAU 1.0886
 RDE .1551 RRA -.0501 RC3 .2844 FAU .04612
 FDE .9744 FRA .4186 FC3-2.8090 BSP 15801
 BDE 1.5962 BRA .4833 BC3 5.7177 FSP -760

MID-COURSE EXECUTION ACCURACY

SGT 4995.3 SGR 328.4 SG3 230.5
 RRT -.1792 RRF -.1803 RTF .9146
 SGB 5006.1 R23 .0160 R13 -.9146
 SGI 4995.6 SG2 323.1 TMA 179.32

ORBIT DETERMINATION ACCURACY

ST 2428.5 SR 237.0 SS 764.1
 CRT .9968 CRS -.9703 CST -.9741
 LSA 2551.5 MSA 165.3 SSA 19.0
 EL1 2440.0 EL2 19.0 ALF 5.56

LAUNCH DATE DEC 13 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 482.638

RL 147.27 LAL -0.00 LOL 80.78 VL 26.959 GAL -1.39 AZL 86.45 MCA 236.89 SMA 123.39 ECC .19496 INC 3.5542 V1 30.253
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.891 GAP 9.03 AZP 91.94 TAL 185.75 TAP 62.64 RCA 99.33 APO 147.44 V2 34.786
 RC 159.265 GL 26.27 GP -1.87 ZAL 97.14 ZAP 164.08 ETS 352.67 ZAE 130.03 ETE 181.69 ZAC 69.29 ETC 163.26 CLP-164.19

PLANETOCENTRIC CONIC

C3 14.254 VHL 3.775 DLA 17.49 RAL 333.92 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 6.049 DPA -15.07 RAP 337.29 ECC 1.2346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 31 2714.04 -27.74 75.58 195.59 95.91 2 33 45 2114.0 -26.63 67.08
 90.00 18 32 4 4203.08 .14 172.15 189.97 61.68 19 42 7 3603.1 -3.65 165.52
 100.00 3 20 1 2418.94 -29.01 53.70 195.42 97.54 4 0 20 1818.9 -27.67 45.16
 100.00 19 43 15 3973.41 1.25 154.65 189.34 60.13 20 49 28 3373.4 -2.73 148.13
 110.00 4 50 36 2135.56 -32.29 31.53 194.77 101.89 5 26 11 1535.6 -30.31 22.87
 110.00 20 29 10 3829.56 4.08 141.98 187.59 56.03 21 32 59 3229.6 -.41 135.77

DIFFERENTIAL CORRECTIONS

TDE 1.6569 TRA -.3456 TC3-5.7832 BAU 1.1034
 RDE .1633 RRA -.0581 RC3 .2834 FAU .04372
 FDE .9571 FRA .4699 FC3-2.6554 BSP 16085
 BDE 1.6649 BRA .3504 BC3 5.7902 FSP -740

MID-COURSE EXECUTION ACCURACY

SGT 5069.0 SGR 340.2 SG3 223.5
 RRT -.1511 RRF -.1573 RTF .9151
 SGB 5080.4 R23 .0186 R13 -.9151
 SGI 5069.2 SG2 336.3 TMA 179.42

ORBIT DETERMINATION ACCURACY

ST 2523.2 SR 249.4 SS 768.7
 CRT .9959 CRS -.9630 CST -.9762
 LSA 2644.5 MSA 160.6 SSA 19.7
 EL1 2535.4 EL2 22.4 ALF 5.82

LAUNCH DATE DEC 13 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 26.911 GAL -.99 AZL 86.47 MCA 240.05 SMA 123.09 ECC .19711 INC 3.5344 VI 30.253
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.858 GAP 9.27 AZP 91.77 TAL 184.05 TAP 64.10 RCA 98.83 APO 147.36 V2 34.788
 RC 161.449 GL 25.95 GP -1.76 ZAL 94.28 ZAP 165.03 ETS 352.76 ZAE 129.98 ETE 181.58 ZAC 71.39 ETC 163.72 CLP-165.13

PLANETOCENTRIC CONIC
 C3 14.367 VHL 3.790 DLA 18.36 RAL 336.83 RAD 6567.6 VEL 11.651 PTM 2.05 VHP 6.189 DPA -14.17 RAP 339.39 ECC 1.2365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 10 2749.66 -27.97 78.16 198.99 94.64 2 37 0 2149.7 -27.03 69.62
 90.00 18 52 37 4170.96 -.90 170.36 193.19 61.70 20 2 8 3571.0 -4.68 163.72
 100.00 3 23 31 2451.88 -29.28 56.11 198.84 96.30 4 4 22 1851.9 -28.10 47.51
 100.00 20 2 58 3943.97 .26 153.03 192.55 60.11 21 8 42 3344.0 -3.72 146.51
 110.00 4 55 44 2163.32 -32.66 33.61 198.26 100.71 5 31 48 1563.3 -30.84 24.86
 110.00 20 47 13 3805.30 3.15 140.71 190.74 55.94 21 50 38 3205.3 -1.34 134.50

DIFFERENTIAL CORRECTIONS
 TOE 1.7286 TRA -.1997 TC3-5.8207 BAU 1.1193 SGT 5138.1 SGR 351.2 SG3 216.6 ST 2618.0 SR 261.9 SS 772.8
 ROE .1720 RRA -.0658 RC3 .2792 FAU .04137 RRT -.1227 RRF -.1330 RTF .9157 CRT .9937 CRS -.9553 CST -.9781
 FOE .9411 FRA .5205 FC3-2.4930 BSP 16333 SGB 5150.1 R23 .0203 R13 -.9157 LSA 2737.7 MSA 156.6 SSA 20.2
 BOE 1.7371 BRA .2103 BC3 5.8274 FSP -719 SG1 5138.2 SG2 348.5 THA 179.52 EL1 2630.9 EL2 29.2 ALF 5.68

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 13 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 26.864 GAL -.58 AZL 86.48 MCA 243.22 SMA 122.80 ECC .19947 INC 3.5158 VI 30.253
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.825 GAP 9.52 AZP 91.59 TAL 182.34 TAP 65.55 RCA 98.31 APO 147.30 V2 34.791
 RC 163.619 GL 25.58 GP -1.67 ZAL 91.35 ZAP 165.95 ETS 352.81 ZAE 129.94 ETE 181.49 ZAC 73.53 ETC 164.13 CLP-166.04

PLANETOCENTRIC CONIC
 C3 14.561 VHL 3.816 DLA 19.23 RAL 339.82 RAD 6567.6 VEL 11.660 PTM 2.05 VHP 6.335 DPA -13.26 RAP 341.50 ECC 1.2396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 55 2787.09 -28.14 80.88 202.56 93.28 2 40 22 2187.1 -27.39 72.30
 90.00 19 13 45 4139.46 -1.92 168.60 196.60 61.74 20 22 45 3539.5 -5.68 161.95
 100.00 3 27 10 2486.40 -29.51 58.65 202.45 94.98 4 8 36 1886.4 -28.51 49.99
 100.00 20 23 12 3915.38 -.71 151.46 195.93 60.12 21 28 27 3315.4 -4.68 144.93
 110.00 5 1 9 2192.35 -33.00 35.80 201.93 99.45 5 37 41 1592.4 -31.35 26.97
 110.00 21 5 42 3782.20 2.27 139.50 194.07 55.88 22 8 44 3182.2 -2.22 133.30

DIFFERENTIAL CORRECTIONS
 TOE 1.8027 TRA -.0451 TC3-5.8233 BAU 1.1348 SGT 5204.1 SGR 361.4 SG3 209.9 ST 2710.2 SR 274.5 SS 775.8
 ROE .1813 RRA -.0729 RC3 .2719 FAU .03914 RRT -.0941 RRF -.1079 RTF .9168 CRT .9903 CRS -.9476 CST -.9800
 FOE .9260 FRA .5680 FC3-2.3271 BSP 16608 SGB 5216.7 R23 .0213 R13 -.9168 LSA 2828.2 MSA 153.0 SSA 20.7
 BOE 1.8118 BRA .0857 BC3 5.8296 FSP -703 SG1 5204.2 SG2 359.8 THA 179.62 EL1 2723.8 EL2 37.9 ALF 5.73

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 13 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 26.817 GAL -.16 AZL 86.50 MCA 246.38 SMA 122.51 ECC .20205 INC 3.4982 VI 30.253
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.794 GAP 9.78 AZP 91.40 TAL 180.62 TAP 67.00 RCA 97.76 APO 147.27 V2 34.794
 RC 165.775 GL 25.13 GP -1.59 ZAL 88.37 ZAP 166.85 ETS 352.83 ZAE 129.92 ETE 181.41 ZAC 75.70 ETC 164.52 CLP-166.94

PLANETOCENTRIC CONIC
 C3 14.843 VHL 3.853 DLA 20.07 RAL 342.89 RAD 6567.6 VEL 11.672 PTM 2.05 VHP 6.486 DPA -12.34 RAP 343.63 ECC 1.2443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 48 2826.11 -28.26 83.73 206.29 91.86 2 43 54 2226.1 -27.70 75.11
 90.00 19 35 23 4108.97 -2.90 166.90 200.19 61.82 20 43 52 3509.0 -6.64 160.22
 100.00 3 31 1 2522.28 -29.70 61.30 206.21 93.59 4 13 4 1922.3 -28.88 52.59
 100.00 20 43 50 3888.04 -1.64 149.96 199.49 60.15 21 48 38 3288.0 -5.60 143.42
 110.00 5 6 51 2222.45 -33.32 38.09 205.78 98.13 5 43 54 1622.4 -31.84 29.18
 110.00 21 24 29 3760.63 1.45 138.38 197.56 55.84 22 27 10 3160.6 -3.04 132.17

DIFFERENTIAL CORRECTIONS
 TOE 1.8793 TRA .1201 TC3-5.7861 BAU 1.1493 SGT 5265.4 SGR 370.7 SG3 203.3 ST 2798.7 SR 287.1 SS 774.6
 ROE .1913 RRA -.0794 RC3 .2616 FAU .03703 RRT -.0653 RRF -.0841 RTF .9185 CRT .9861 CRS -.9397 CST -.9816
 FOE .9079 FRA .6131 FC3-2.1597 BSP 16857 SGB 5278.4 R23 .0239 R13 -.9185 LSA 2914.1 MSA 150.1 SSA 20.9
 BOE 1.8890 BRA .1440 BC3 5.7920 FSP -688 SG1 5265.5 SG2 369.9 THA 179.74 EL1 2813.0 EL2 47.5 ALF 5.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 13 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -.00 LOL 80.78 VL 26.770 GAL .28 AZL 86.52 MCA 249.54 SMA 122.23 ECC .20487 INC 3.4815 VI 30.253
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.764 GAP 10.05 AZP 91.22 TAL 178.90 TAP 68.44 RCA 97.19 APO 147.27 V2 34.798
 RC 167.915 GL 24.62 GP -1.51 ZAL 85.35 ZAP 167.73 ETS 352.80 ZAE 129.91 ETE 181.34 ZAC 77.88 ETC 164.87 CLP-167.82

PLANETOCENTRIC CONIC
 C3 15.222 VHL 3.902 DLA 20.88 RAL 346.03 RAD 6567.6 VEL 11.688 PTM 2.06 VHP 6.645 DPA -11.40 RAP 345.76 ECC 1.2505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 51 2866.47 -28.31 86.68 210.18 90.38 2 47 38 2266.5 -27.96 78.03
 90.00 19 57 21 4079.91 -3.83 165.27 203.95 61.92 21 5 21 3479.9 -7.56 158.58
 100.00 3 35 8 2559.25 -29.82 64.04 210.14 92.16 4 17 47 1959.3 -29.20 55.29
 100.00 21 4 45 3862.36 -2.51 148.55 203.22 60.20 22 9 8 3262.4 -6.46 141.99
 110.00 5 12 54 2253.38 -33.59 40.47 209.79 96.75 5 50 27 1653.4 -32.29 31.48
 110.00 21 43 29 3740.99 .70 137.35 201.22 55.82 22 45 50 3141.0 -3.79 131.14

DIFFERENTIAL CORRECTIONS
 TOE 1.9631 TRA .3047 TC3-5.6872 BAU 1.1585 SGT 5313.6 SGR 379.4 SG3 196.9 ST 2889.5 SR 299.9 SS 782.3
 ROE .2024 RRA -.0851 RC3 .2491 FAU .03439 RRT -.0347 RRF -.0507 RTF .9163 CRT .9810 CRS -.9315 CST -.9830
 FOE .9020 FRA .6703 FC3-1.9558 BSP 16916 SGB 5327.1 R23 .0188 R13 -.9163 LSA 3004.7 MSA 150.3 SSA 21.0
 BOE 1.9735 BRA .3164 BC3 5.6927 FSP -651 SG1 5313.6 SG2 379.2 THA 179.86 EL1 2904.5 EL2 57.9 ALF 5.82

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 13 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 511.172

RL 147.27 LAL -1.00 LOL 80.78 VL 26.723 GAL .74 AZL 86.53 HCA 252.71 SMA 121.95 ECC .20795 INC 3.4654 V1 30.253
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.735 GAP 10.33 AZP 91.03 TAL 177.17 TAP 69.87 RCA 96.59 APO 147.31 V2 34.803
 RC 170.040 GL 24.05 GP -1.44 ZAL 82.32 ZAP 168.59 ETS 352.73 ZAE 129.91 ETE 181.29 ZAC 92.38 ETC 282.21 CLP-168.68

PLANETOCENTRIC CONIC

C3 15.709 VML 3.963 DLA 21.64 RAL 349.22 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.810 DPA -10.45 RAP 347.89 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 8 2907.82 -28.30 89.71 214.20 88.86 2 51 36 2307.6 -28.15 81.04
 90.00 20 19 29 4052.75 -4.70 163.75 207.86 62.04 21 27 2 3452.7 -8.40 157.03
 100.00 3 39 32 2596.98 -29.89 66.85 214.21 90.68 4 22 49 1997.0 -29.47 58.07
 100.00 21 25 46 3638.82 -3.31 147.26 207.09 60.27 22 29 45 3238.8 -7.24 140.68
 110.00 5 19 18 2284.88 -33.82 42.90 213.96 95.33 5 57 23 1684.9 -32.71 33.84
 110.00 22 2 30 3723.68 .03 136.45 205.01 55.82 23 4 34 3123.7 -4.45 130.24

DIFFERENTIAL CORRECTIONS

TOE 2.0339 TRA .4820 TC3-5.5992 BAU 1.1769
 ROE .2143 RRA -.0900 RC3 .2338 FAU .03279
 FDE .8824 FRA .7069 FC3-1.8069 BSP 17342
 BOE 2.0452 BRA .4904 BC3 5.6040 FSP -647

MID-COURSE EXECUTION ACCURACY

SGT 5376.5 SGR 387.2 SG3 191.0
 RRT -.0081 RRF -.0284 RTF .9197
 SGB 5390.4 R23 .0209 R13 -.9197
 SG1 5376.5 SG2 387.2 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 2951.8 SR 312.6 SS 775.6
 CRT .9758 CRS -.9245 CST -.9844
 LSA 3064.3 MSA 148.7 SSA 21.0
 EL1 2967.6 EL2 67.9 ALF 5.90

LAUNCH DATE DEC 13 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 516.816

RL 147.27 LAL -1.00 LOL 80.78 VL 26.678 GAL 1.22 AZL 86.55 HCA 255.87 SMA 121.68 ECC .21132 INC 3.4498 V1 30.253
 RP 108.87 LAP -3.35 LOP 336.82 VP 36.706 GAP 10.62 AZP 90.84 TAL 175.43 TAP 71.30 RCA 95.97 APO 147.39 V2 34.808
 RC 172.148 GL 23.41 GP -1.38 ZAL 79.27 ZAP 169.43 ETS 352.60 ZAE 129.93 ETE 181.24 ZAC 91.94 ETC 282.49 CLP-169.52

PLANETOCENTRIC CONIC

C3 16.315 VML 4.039 DLA 22.36 RAL 352.44 RAD 6567.7 VEL 11.735 PTH 2.07 VHP 6.984 DPA -9.49 RAP 350.04 ECC 1.2685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 42 2949.88 -28.20 92.78 218.34 87.32 2 55 52 2349.9 -28.27 84.12
 90.00 20 41 39 4027.90 -5.49 162.35 211.92 62.18 21 48 47 3427.9 -9.17 155.61
 100.00 3 44 17 2635.20 -29.88 69.69 218.40 89.19 4 28 12 2035.2 -29.68 60.89
 100.00 21 46 44 3817.81 -4.01 146.10 211.11 60.35 22 50 22 3217.8 -7.93 139.51
 110.00 5 26 5 2316.73 -33.99 45.37 218.27 93.87 6 4 42 1716.7 -33.08 36.25
 110.00 22 21 26 3709.04 -.53 135.69 208.93 55.82 23 23 15 3109.0 -5.01 129.47

DIFFERENTIAL CORRECTIONS

TOE 2.1137 TRA .6813 TC3-5.4423 BAU 1.1880
 ROE .2272 RRA -.0940 RC3 .2169 FAU .03076
 FDE .8683 FRA .7507 FC3-1.6323 BSP 17531
 BOE 2.1259 BRA .6877 BC3 5.4466 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 5423.2 SGR 394.2 SG3 184.9
 RRT .0212 RRF -.0001 RTF .9212
 SGB 5437.5 R23 -.0198 R13 .9212
 SG1 5423.2 SG2 394.1 THA .09

ORBIT DETERMINATION ACCURACY

ST 3017.5 SR 325.2 SS 772.3
 CRT .9701 CRS -.9173 CST -.9856
 LSA 3128.1 MSA 149.0 SSA 20.7
 EL1 3034.0 EL2 78.4 ALF 5.97

LAUNCH DATE DEC 13 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 522.432

RL 147.27 LAL -1.00 LOL 80.78 VL 26.632 GAL 1.72 AZL 86.57 HCA 259.04 SMA 121.41 ECC .21499 INC 3.4347 V1 30.253
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.679 GAP 10.92 AZP 90.65 TAL 173.70 TAP 72.73 RCA 95.31 APO 147.51 V2 34.814
 RC 174.239 GL 22.72 GP -1.33 ZAL 76.24 ZAP 170.27 ETS 352.40 ZAE 129.95 ETE 181.21 ZAC 91.49 ETC 282.75 CLP-170.36

PLANETOCENTRIC CONIC

C3 17.054 VML 4.130 DLA 23.01 RAL 355.68 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 7.167 DPA -8.51 RAP 352.18 ECC 1.2807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 36 2992.20 -28.03 95.86 222.58 85.79 3 0 28 2392.2 -28.32 87.21
 90.00 21 3 37 4005.91 -6.19 161.11 216.09 62.31 22 10 23 3405.9 -9.85 154.35
 100.00 3 49 26 2673.50 -29.81 72.53 222.69 87.69 4 34 0 2073.5 -29.81 63.73
 100.00 22 7 27 3799.85 -4.62 145.11 215.23 60.43 23 10 47 3199.8 -8.52 138.50
 110.00 5 33 17 2348.63 -34.11 47.86 222.69 92.41 6 12 25 1748.6 -33.40 38.69
 110.00 22 40 6 3697.48 -.97 135.08 212.96 55.83 23 41 44 3097.5 -5.45 128.86

DIFFERENTIAL CORRECTIONS

TOE 2.1738 TRA .8730 TC3-5.2962 BAU 1.2084
 ROE .2411 RRA -.0970 RC3 .1982 FAU .02937
 FDE .8429 FRA .7828 FC3-1.4911 BSP 18155
 BOE 2.1871 BRA .8784 BC3 5.2999 FSP -636

MID-COURSE EXECUTION ACCURACY

SGT 5473.8 SGR 400.2 SG3 178.7
 RRT .0458 RRF .0206 RTF .9247
 SGB 5488.4 R23 -.0220 R13 .9247
 SG1 5473.8 SG2 399.7 THA .19

ORBIT DETERMINATION ACCURACY

ST 3044.5 SR 337.5 SS 757.0
 CRT .9646 CRS -.9104 CST -.9866
 LSA 3151.7 MSA 149.6 SSA 20.3
 EL1 3061.9 EL2 88.5 ALF 6.11

LAUNCH DATE DEC 13 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 528.024

RL 147.27 LAL -1.00 LOL 80.78 VL 26.587 GAL 2.24 AZL 86.58 HCA 262.20 SMA 121.14 ECC .21898 INC 3.4199 V1 30.253
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.653 GAP 11.24 AZP 90.46 TAL 171.96 TAP 74.16 RCA 94.62 APO 147.67 V2 34.821
 RC 176.312 GL 21.97 GP -1.28 ZAL 73.23 ZAP 171.09 ETS 352.12 ZAE 129.98 ETE 181.18 ZAC 91.02 ETC 282.99 CLP-171.18

PLANETOCENTRIC CONIC

C3 17.943 VML 4.236 DLA 23.60 RAL 358.93 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 7.361 DPA -7.53 RAP 354.33 ECC 1.2953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 54 3034.51 -27.78 98.93 226.90 84.27 3 5 28 2434.5 -28.28 90.30
 90.00 21 25 13 3987.15 -6.78 160.05 220.37 62.44 22 31 40 3387.1 -10.42 153.26
 100.00 3 55 2 2711.63 -29.67 75.36 227.08 86.21 4 40 14 2111.6 -29.88 66.56
 100.00 22 27 46 3785.26 -5.11 144.30 219.46 60.51 23 30 51 3185.3 -9.00 137.68
 110.00 5 40 54 2380.43 -34.17 50.34 227.21 90.94 6 20 34 1780.4 -33.66 41.13
 110.00 22 58 23 3689.22 -1.28 134.65 217.08 55.84 23 59 53 3089.2 -5.76 128.42

DIFFERENTIAL CORRECTIONS

TOE 2.2672 TRA 1.1113 TC3-5.0392 BAU 1.2096
 ROE .2584 RRA -.0987 RC3 .1792 FAU .02705
 FDE .8378 FRA .8350 FC3-1.3053 BSP 17959
 BOE 2.2816 BRA 1.1157 BC3 5.0424 FSP -598

MID-COURSE EXECUTION ACCURACY

SGT 5506.4 SGR 405.7 SG3 173.4
 RRT .0790 RRF .0560 RTF .9248
 SGB 5521.3 R23 -.0175 R13 .9248
 SG1 5506.5 SG2 404.4 THA .34

ORBIT DETERMINATION ACCURACY

ST 3108.5 SR 349.6 SS 758.4
 CRT .9584 CRS -.9036 CST -.9877
 LSA 3215.0 MSA 152.6 SSA 19.8
 EL1 3126.5 EL2 99.2 ALF 6.16

LAUNCH DATE DEC 13 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.543 GAL 2.78 AZL 86.59 MCA 265.37 SMA 120.88 ECC .22334 INC 3.4053 V1 30.253
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.628 GAP 11.58 AZP 90.28 TAL 170.22 TAP 75.59 RCA 93.89 APO 147.88 V2 34.828
 RC 178.366 GL 21.18 GP -1.24 ZAL 70.25 ZAP 171.90 ETS 351.74 ZAE 130.01 ETE 181.16 ZAC 89.10 ETC 166.21 CLP-171.99

PLANETOCENTRIC CONIC
 C3 18.999 VHL 4.359 DLA 24.12 RAL 2.16 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 7.565 DPA -6.54 RAP 356.48 ECC 1.3127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 41 3076.27 -27.46 101.95 231.29 82.79 3 10 57 2476.3 -28.17 93.35
 90.00 21 46 13 3972.20 -7.25 159.21 224.72 62.55 22 52 25 3372.2 -10.87 152.40
 100.00 4 1 8 2749.16 -29.47 78.13 231.54 84.76 4 46 57 2149.2 -29.89 69.35
 100.00 22 47 27 3774.54 -5.47 143.71 223.75 60.57 23 50 21 3174.5 -9.35 137.07
 110.00 5 48 57 2411.84 -34.18 52.79 231.82 89.49 6 29 9 1811.8 -33.87 43.56
 110.00 23 16 7 3684.62 -1.46 134.41 221.27 55.84 24 17 32 3084.6 -5.93 128.18

MID-COURSE EXECUTION ACCURACY
 SGT 5539.1 SGR 410.4 SG3 168.2
 RRT .1109 RRF .0894 RTF .9256
 SGB 5554.3 R23 -.0139 R13 .9256
 SG1 5539.3 SG2 407.8 THA .47

ORBIT DETERMINATION ACCURACY
 ST 3153.6 SR 361.2 SS 755.6
 CRT .9522 CRS -.8973 CST -.9888
 LSA 3259.2 MSA 156.0 SSA 19.3
 EL1 3172.4 EL2 109.7 ALF 6.23

DIFFERENTIAL CORRECTIONS
 TDE 2.3552 TRA 1.3590 TC3-4.7664 BAU 1.2113
 RDE .2728 RRA -.0990 RC3 .1599 FAU .02493
 FDE .8297 FRA .8842 FC3-1.1361 BSP 17835
 BOE 2.3710 BRA 1.3626 BC3 4.7691 FSP -567

LAUNCH DATE DEC 13 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.499 GAL 3.35 AZL 86.61 MCA 268.54 SMA 120.63 ECC .22809 INC 3.3909 V1 30.253
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.603 GAP 11.94 AZP 90.09 TAL 168.49 TAP 77.03 RCA 93.11 APO 148.14 V2 34.836
 RC 180.400 GL 20.35 GP -1.20 ZAL 67.33 ZAP 172.70 ETS 351.22 ZAE 130.04 ETE 181.14 ZAC 91.38 ETC 166.40 CLP-172.80

PLANETOCENTRIC CONIC
 C3 20.244 VHL 4.499 DLA 24.57 RAL 5.36 RAD 6567.8 VEL 11.901 PTH 2.11 VHP 7.782 DPA -5.54 RAP 358.64 ECC 1.3332
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 2 3117.00 -27.08 104.87 235.72 81.37 3 16 59 2517.0 -27.99 96.32
 90.00 22 6 22 3961.57 -7.58 158.60 229.13 62.64 23 12 24 3361.6 -11.19 151.78
 100.00 4 7 47 2785.72 -29.21 80.82 236.05 83.37 4 54 13 2185.7 -29.83 72.07
 100.00 23 6 18 3768.08 -5.68 143.35 228.10 60.60 24 9 6 3168.1 -9.56 136.71
 110.00 5 57 26 2442.66 -34.14 55.20 236.48 88.07 6 38 9 1842.7 -34.03 45.95
 110.00 23 33 8 3683.90 -1.49 134.37 225.49 55.85 24 34 32 3083.9 -5.96 128.14

MID-COURSE EXECUTION ACCURACY
 SGT 5570.2 SGR 414.1 SG3 162.9
 RRT .1401 RRF .1187 RTF .9278
 SGB 5585.6 R23 -.0122 R13 .9278
 SG1 5570.5 SG2 410.0 THA .60

ORBIT DETERMINATION ACCURACY
 ST 3169.2 SR 372.0 SS 745.5
 CRT .9462 CRS -.8912 CST -.9896
 LSA 3272.9 MSA 159.7 SSA 18.6
 EL1 3188.7 EL2 119.6 ALF 6.35

DIFFERENTIAL CORRECTIONS
 TDE 2.4296 TRA 1.6080 TC3-4.4983 BAU 1.2180
 RDE .2903 RRA -.0981 RC3 .1403 FAU .02321
 FDE .8150 FRA .9260 FC3 -.9927 BSP 17990
 BOE 2.4469 BRA 1.6110 BC3 4.5005 FSP -552

LAUNCH DATE DEC 13 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.455 GAL 3.95 AZL 86.62 MCA 271.71 SMA 120.38 ECC .23328 INC 3.3764 V1 30.253
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.580 GAP 12.32 AZP 89.90 TAL 166.76 TAP 78.48 RCA 92.29 APO 148.46 V2 34.845
 RC 182.414 GL 19.49 GP -1.16 ZAL 64.48 ZAP 173.50 ETS 350.51 ZAE 130.08 ETE 181.14 ZAC 93.66 ETC 166.55 CLP-173.60

PLANETOCENTRIC CONIC
 C3 21.703 VHL 4.659 DLA 24.95 RAL 8.51 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 8.014 DPA -4.53 RAP .79 ECC 1.3572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 3 3156.28 -26.64 107.66 240.19 80.04 3 23 39 2556.3 -27.75 99.17
 90.00 22 25 28 3955.70 -7.77 158.27 233.56 62.68 23 31 24 3355.7 -11.37 151.44
 100.00 4 15 2 2821.03 -28.91 83.40 240.59 82.05 5 2 3 2221.0 -29.71 74.69
 100.00 23 24 10 3766.18 -5.75 143.25 232.46 60.61 24 26 57 3166.2 -9.62 136.60
 110.00 6 6 20 2472.79 -34.04 57.54 241.18 86.68 6 47 33 1872.8 -34.13 48.30
 110.00 23 49 21 3687.19 -1.36 134.55 229.74 55.84 24 50 49 3087.2 -5.83 128.32

MID-COURSE EXECUTION ACCURACY
 SGT 5597.0 SGR 417.1 SG3 157.9
 RRT .1702 RRF .1496 RTF .9298
 SGB 5612.5 R23 -.0097 R13 .9298
 SG1 5597.5 SG2 411.0 THA .73

ORBIT DETERMINATION ACCURACY
 ST 3177.2 SR 381.9 SS 736.3
 CRT .9401 CRS -.8853 CST -.9904
 LSA 3279.6 MSA 163.9 SSA 17.9
 EL1 3197.5 EL2 129.4 ALF 6.46

DIFFERENTIAL CORRECTIONS
 TDE 2.5059 TRA 1.8752 TC3-4.2060 BAU 1.2209
 RDE .3089 RRA -.0957 RC3 .1214 FAU .02144
 FDE .8027 FRA .9702 FC3 -.8551 BSP 18039
 BOE 2.5249 BRA 1.8777 BC3 4.2078 FSP -532

LAUNCH DATE DEC 13 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.412 GAL 4.58 AZL 86.64 MCA 274.89 SMA 120.13 ECC .23894 INC 3.3620 V1 30.253
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.558 GAP 12.73 AZP 89.71 TAL 165.05 TAP 79.93 RCA 91.42 APO 148.83 V2 34.854
 RC 184.407 GL 18.61 GP -1.13 ZAL 61.70 ZAP 174.29 ETS 349.54 ZAE 130.12 ETE 181.13 ZAC 95.96 ETC 166.69 CLP-174.40

PLANETOCENTRIC CONIC
 C3 23.406 VHL 4.838 DLA 25.26 RAL 11.59 RAD 6568.0 VEL 12.033 PTH 2.15 VHP 8.261 DPA -3.53 RAP 2.95 ECC 1.3852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 48 3193.66 -26.18 110.30 244.67 78.79 3 31 1 2593.7 -27.46 101.87
 90.00 22 43 19 3955.01 -7.79 158.23 237.99 62.69 23 49 14 3355.0 -11.39 151.40
 100.00 4 22 54 2854.82 -28.57 85.85 245.16 80.80 5 10 29 2254.8 -29.54 77.18
 100.00 23 40 54 3769.08 -5.65 143.41 236.83 60.60 24 43 43 3169.1 -9.52 136.77
 110.00 6 15 38 2502.10 -33.90 59.82 245.91 85.34 6 57 20 1902.1 -34.18 50.59
 110.00 0 8 35 3694.57 -1.08 134.93 233.99 55.83 1 10 10 3094.6 -5.56 128.71

MID-COURSE EXECUTION ACCURACY
 SGT 5619.3 SGR 419.2 SG3 152.9
 RRT .1994 RRF .1790 RTF .9323
 SGB 5634.9 R23 -.0080 R13 .9323
 SG1 5619.9 SG2 410.7 THA .86

ORBIT DETERMINATION ACCURACY
 ST 3167.1 SR 390.6 SS 724.1
 CRT .9340 CRS -.8795 CST -.9912
 LSA 3267.9 MSA 168.4 SSA 17.2
 EL1 3188.1 EL2 138.7 ALF 6.58

DIFFERENTIAL CORRECTIONS
 TDE 2.5754 TRA 2.1530 TC3-3.9117 BAU 1.2245
 RDE .3284 RRA -.0917 RC3 .1032 FAU .01985
 FDE .7880 FRA 1.0122 FC3 -.7341 BSP 18188
 BOE 2.5962 BRA 2.1550 BC3 3.9131 FSP -518

LAUNCH DATE DEC 13 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 555.405

RL 147.27 LAL -0.00 LOL 80.78 VL 26.370 GAL 5.25 AZL 86.65 MCA 278.06 SMA 119.89 ECC .24513 INC 3.3473 VI 30.253
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.536 GAP 13.16 AZP 89.53 TAL 163.34 TAP 81.40 RCA 90.50 APO 149.27 VZ 34.863
 RC 186.379 GL 17.72 GP -1.10 ZAL 59.00 ZAP 175.07 ETS 348.19 ZAE 130.15 ETE 181.13 ZAC 98.25 ETC 166.79 CLP-175.20

PLANETOCENTRIC CONIC

C3 25.389 VHL 5.039 DLA 25.49 RAL 14.59 RAD 6568.0 VEL 12.115 PTH 2.17 VHP 8.525 DPA -2.52 RAP 5.10 ECC 1.4178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 21 3228.77 -25.69 112.75 249.17 77.66 3 39 9 2628.8 -27.13 104.38
 90.00 22 59 44 3959.83 -7.64 158.50 242.40 62.65 24 5 44 3359.8 -11.24 151.68
 100.00 4 31 23 2886.89 -28.20 88.16 249.73 79.64 5 19 30 2286.9 -29.34 79.55
 100.00 0 0 19 3776.94 -5.39 143.84 241.18 60.55 1 3 16 3176.9 -9.27 137.21
 110.00 6 25 17 2530.54 -33.72 62.02 250.65 84.05 7 7 28 1930.5 -34.18 52.81
 110.00 0 22 54 3706.05 -6.64 135.53 238.23 55.82 1 24 40 3106.1 -5.12 129.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6435 TRA 2.4478 TC3-3.6097 BAU 1.2256 SGT 5637.1 SGR 420.4 SG3 148.1 ST 3146.9 SR 398.1 SS 712.2
 RDE .3489 RRA -.0861 RC3 .0863 FAU .01829 RRT .2287 RRF .2089 RTF .9348 CRT .9277 CRS -.8738 CST -.9919
 FDE .7744 FRA 1.0555 FC3 -.6236 BSP 18308 SGB 5652.7 R23 -.0062 R13 .9348 LSA 3246.3 MSA 173.2 SSA 16.6
 BDE 2.6664 BRA 2.4494 BC3 3.6108 FSP -504 SG1 5637.9 SG2 409.2 THA .98 EL1 3168.6 EL2 147.6 ALF 6.71

LAUNCH DATE DEC 13 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 560.725

RL 147.27 LAL -0.00 LOL 80.78 VL 26.328 GAL 5.95 AZL 86.67 MCA 281.24 SMA 119.65 ECC .25190 INC 3.3325 VI 30.253
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.516 GAP 13.63 AZP 89.35 TAL 161.65 TAP 82.89 RCA 89.51 APO 149.79 VZ 34.873
 RC 188.350 GL 16.81 GP -1.07 ZAL 56.40 ZAP 175.86 ETS 346.23 ZAE 130.18 ETE 181.13 ZAC 100.55 ETC 166.87 CLP-176.00

PLANETOCENTRIC CONIC

C3 27.693 VHL 5.262 DLA 25.65 RAL 17.51 RAD 6568.1 VEL 12.209 PTH 2.19 VHP 8.810 DPA -1.51 RAP 7.25 ECC 1.4558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 44 3261.32 -25.19 115.01 253.66 76.63 3 48 5 2661.3 -26.79 106.70
 90.00 23 14 36 3970.35 -7.31 159.10 246.77 62.57 24 20 46 3370.4 -10.93 152.29
 100.00 4 40 29 2917.13 -27.81 90.33 254.30 78.56 5 29 7 2317.1 -29.10 81.76
 100.00 0 14 27 3789.78 -4.96 144.56 245.48 60.48 1 17 37 3189.8 -8.85 137.93
 110.00 6 35 14 2558.10 -33.51 64.15 255.39 82.81 7 17 53 1958.1 -34.14 54.96
 110.00 0 36 11 3721.57 -0.05 136.34 242.43 55.82 1 38 13 3121.6 -4.53 130.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7100 TRA 2.7600 TC3-3.3062 BAU 1.2243 SGT 5650.4 SGR 420.8 SG3 143.4 ST 3117.2 SR 404.2 SS 700.1
 RDE .3703 RRA -.0787 RC3 .0707 FAU .01679 RRT .2581 RRF .2387 RTF .9376 CRT .9214 CRS -.8682 CST -.9925
 FDE .7612 FRA 1.0997 FC3 -.5249 BSP 18413 SGB 5666.0 R23 -.0047 R13 .9376 LSA 3215.3 MSA 178.1 SSA 15.9
 BDE 2.7352 BRA 2.7611 BC3 3.3069 FSP -490 SG1 5651.4 SG2 406.5 THA 1.11 EL1 3139.4 EL2 156.0 ALF 6.83

LAUNCH DATE DEC 13 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 565.975

RL 147.27 LAL -0.00 LOL 80.78 VL 26.287 GAL 6.69 AZL 86.68 MCA 284.42 SMA 119.41 ECC .25931 INC 3.3172 VI 30.253
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.496 GAP 14.13 AZP 89.17 TAL 159.98 TAP 84.40 RCA 88.45 APO 150.38 VZ 34.884
 RC 190.259 GL 15.91 GP -1.04 ZAL 53.90 ZAP 176.64 ETS 343.24 ZAE 130.21 ETE 181.14 ZAC 102.84 ETC 166.92 CLP-176.80

PLANETOCENTRIC CONIC

C3 30.370 VHL 5.511 DLA 25.75 RAL 20.32 RAD 6568.2 VEL 12.318 PTH 2.22 VHP 9.116 DPA -.50 RAP 9.40 ECC 1.4998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 57 3291.17 -24.71 117.06 258.15 75.71 3 57 48 2691.2 -26.43 108.82
 90.00 23 27 48 3986.64 -6.79 160.02 251.07 62.44 24 34 15 3386.6 -10.43 153.24
 100.00 4 50 10 2945.51 -27.41 92.34 258.86 77.57 5 39 16 2345.5 -28.84 83.83
 100.00 0 27 12 3807.54 -4.36 145.54 249.74 60.40 1 30 40 3207.5 -8.27 138.93
 110.00 6 45 27 2584.82 -33.26 66.19 260.11 81.62 7 28 32 1984.8 -34.06 57.04
 110.00 0 48 25 3740.99 .70 137.35 246.59 55.82 1 50 46 3141.0 -3.79 131.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7794 TRA 3.0949 TC3-2.9999 BAU 1.2182 SGT 5660.8 SGR 420.6 SG3 139.1 ST 3083.6 SR 408.8 SS 689.9
 RDE .3925 RRA -.0693 RC3 .0569 FAU .01526 RRT .2882 RRF .2697 RTF .9404 CRT .9149 CRS -.8629 CST -.9932
 FDE .7507 FRA 1.1467 FC3 -.4350 BSP 18408 SGB 5676.4 R23 -.0028 R13 .9404 LSA 3180.9 MSA 182.8 SSA 15.2
 BDE 2.8070 BRA 3.0957 BC3 3.0004 FSP -472 SG1 5662.1 SG2 402.6 THA 1.23 EL1 3106.3 EL2 163.8 ALF 6.94

LAUNCH DATE DEC 13 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 571.140

RL 147.27 LAL -0.00 LOL 80.78 VL 26.247 GAL 7.48 AZL 86.70 MCA 287.60 SMA 119.19 ECC .26745 INC 3.3016 VI 30.253
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.477 GAP 14.67 AZP 89.00 TAL 158.34 TAP 85.93 RCA 87.31 APO 151.06 VZ 34.895
 RC 192.167 GL 15.01 GP -1.02 ZAL 51.50 ZAP 177.41 ETS 338.30 ZAE 130.22 ETE 181.15 ZAC 105.13 ETC 166.94 CLP-177.61

PLANETOCENTRIC CONIC

C3 33.479 VHL 5.786 DLA 25.79 RAL 23.02 RAD 6568.3 VEL 12.444 PTH 2.25 VHP 9.448 DPA .50 RAP 11.55 ECC 1.5510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 58 3318.30 -24.24 118.91 262.62 74.90 4 8 16 2718.3 -26.08 110.73
 90.00 23 39 21 4008.57 -6.10 161.26 255.29 62.30 24 46 10 3408.6 -9.77 154.50
 100.00 5 0 21 2972.05 -27.00 94.21 263.40 76.67 5 49 53 2372.1 -28.57 85.76
 100.00 0 38 34 3830.05 -3.60 146.78 255.92 60.31 1 42 24 3230.0 -7.53 140.19
 110.00 6 55 50 2610.73 -32.99 68.17 264.79 80.48 7 39 21 2010.7 -33.95 59.06
 110.00 0 59 34 3764.13 1.58 138.56 250.69 55.85 2 2 19 3164.1 -2.91 132.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8434 TRA 3.4457 TC3-2.7062 BAU 1.2114 SGT 5665.2 SGR 419.4 SG3 134.7 ST 3037.9 SR 411.7 SS 678.7
 RDE .4153 RRA -.0580 RC3 .0446 FAU .01386 RRT .3176 RRF .2996 RTF .9435 CRT .9083 CRS -.8575 CST -.9938
 FDE .7393 FRA 1.1938 FC3 -.3585 BSP 18503 SGB 5680.7 R23 -.0017 R13 .9435 LSA 3134.3 MSA 187.2 SSA 14.6
 BDE 2.8736 BRA 3.4461 BC3 2.7066 FSP -459 SG1 5666.8 SG2 397.5 THA 1.35 EL1 3060.9 EL2 170.9 ALF 7.04

LAUNCH DATE DEC 13 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 576.208
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.207 GAL 8.33 AZL 86.71 HCA 290.78 SMA 118.96 ECC .27640 INC 3.2853 V1 30.293
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.459 GAP 15.26 AZP 88.83 TAL 156.72 TAP 87.50 RCA 86.08 APO 151.84 V2 34.906
 RC 194.054 GL 14.12 GP -1.00 ZAL 49.21 ZAP 178.15 ETS 329.02 ZAE 130.23 ETE 181.16 ZAC 107.41 ETC 166.93 CLP-178.44

PLANETOCENTRIC CONIC

C3 37.096 VHL 6.091 CLA 25.77 RAL 25.61 RAD 6568.4 VEL 12.588 PTH 2.28 VHP 9.809 DPA 1.49 RAP 13.69 ECC 1.6105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 40 3342.83 -23.79 120.57 267.07 74.18 4 19 23 2742.8 -25.74 112.44
 90.00 23 49 15 4035.85 -5.24 162.80 259.43 62.13 24 56 31 3435.8 -8.93 156.06
 100.00 5 10 59 2996.90 -26.60 95.95 267.90 75.84 6 0 55 2396.9 -28.29 87.55
 100.00 0 48 34 3857.02 -2.69 148.26 258.02 60.22 1 52 51 3257.0 -6.64 141.69
 110.00 7 6 21 2635.91 -32.69 70.07 269.44 79.39 7 50 17 2035.9 -33.80 61.01
 110.00 1 9 41 3790.77 2.60 139.95 254.73 55.90 2 12 52 3190.8 -1.89 133.75

DIFFERENTIAL CORRECTIONS

TDE 2.9078 TRA 3.8193 TC3-2.4208 BAU 1.2007
 RDE .4387 RRA -.0446 RC3 .0341 FAU .01250
 FDE .7293 FRA 1.2432 FC3 -.2917 BSP 18580
 BDE 2.9407 BRA 3.8196 BC3 2.4211 FSP -446

MID-COURSE EXECUTION ACCURACY

SGT 5665.3 SGR 417.3 SG3 130.6
 RRT .3471 RRF .3296 RTF .9468
 SGB 5680.6 R23 -.0006 R13 .9468
 SG1 5667.1 SG2 391.3 THA 1.47

ORBIT DETERMINATION ACCURACY

ST 2987.1 SR 412.9 SS 668.7
 CRT .9016 CRS -.8522 CST -.9945
 LSA 3082.8 MSA 191.3 SSA 13.9
 EL1 3010.3 EL2 177.3 ALF 7.13

LAUNCH DATE DEC 13 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 581.160
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.167 GAL 9.23 AZL 86.73 HCA 293.96 SMA 118.74 ECC .28627 INC 3.2684 V1 30.253
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.442 GAP 15.91 AZP 88.67 TAL 155.15 TAP 89.11 RCA 84.75 APO 152.74 V2 34.918
 RC 195.918 GL 13.24 GP -.98 ZAL 47.03 ZAP 178.78 ETS 308.33 ZAE 130.21 ETE 181.17 ZAC 109.67 ETC 166.88 CLP-179.27

PLANETOCENTRIC CONIC

C3 41.312 VHL 6.427 CLA 25.69 RAL 28.07 RAD 6568.6 VEL 12.755 PTH 2.32 VHP 10.202 DPA 2.47 RAP 15.82 ECC 1.6799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 58 3365.03 -23.37 122.06 271.48 73.55 4 31 3 2765.0 -25.41 113.98
 90.00 0 1 32 4068.03 -4.21 164.61 263.46 61.97 1 9 20 3468.0 -7.93 157.90
 100.00 5 21 56 3020.18 -26.20 97.56 272.36 75.08 6 12 16 2420.2 -28.00 89.22
 100.00 0 57 15 3888.11 -1.64 149.97 262.04 60.15 2 2 3 3288.1 -5.60 143.42
 110.00 7 16 55 2660.42 -32.37 71.91 274.02 78.35 8 1 15 2060.4 -33.63 62.90
 110.00 1 18 46 3820.63 3.74 141.51 258.69 56.00 2 22 26 3220.6 -7.75 135.30

DIFFERENTIAL CORRECTIONS

TDE 2.9735 TRA 4.2177 TC3-2.1466 BAU 1.1856
 RDE .4625 RRA -.0290 RC3 .0252 FAU .01116
 FDE .7208 FRA 1.2954 FC3 -.2339 BSP 18621
 BDE 3.0092 BRA 4.2178 BC3 2.1467 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 5661.2 SGR 414.6 SG3 126.6
 RRT .3766 RRF .3597 RTF .9503
 SGB 5676.3 R23 .0002 R13 .9503
 SG1 5663.3 SG2 383.9 THA 1.59

ORBIT DETERMINATION ACCURACY

ST 2932.5 SR 412.4 SS 660.1
 CRT .8947 CRS -.8471 CST -.9951
 LSA 3027.8 MSA 194.8 SSA 13.3
 EL1 2955.7 EL2 182.7 ALF 7.20

LAUNCH DATE DEC 13 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 585.973
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.129 GAL 10.20 AZL 86.75 HCA 297.15 SMA 118.53 ECC .29716 INC 3.2506 V1 30.253
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.426 GAP 16.61 AZP 88.52 TAL 153.61 TAP 90.76 RCA 83.31 APO 153.75 V2 34.930
 RC 197.761 GL 12.38 GP -.96 ZAL 44.96 ZAP 179.03 ETS 264.36 ZAE 130.18 ETE 181.18 ZAC 111.92 ETC 166.81 CLP 179.87

PLANETOCENTRIC CONIC

C3 46.237 VHL 6.800 CLA 25.57 RAL 30.40 RAD 6568.7 VEL 12.946 PTH 2.36 VHP 10.633 DPA 3.45 RAP 17.95 ECC 1.7609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 41 3385.17 -22.98 123.41 275.85 72.98 4 43 6 2785.2 -25.09 115.37
 90.00 0 8 26 4104.59 -3.04 166.66 267.39 61.83 1 16 50 3504.6 -6.78 159.98
 100.00 5 33 6 3042.08 -25.81 99.07 276.76 74.37 6 23 48 2442.1 -27.70 90.78
 100.00 1 4 42 3922.91 -.46 151.88 265.96 60.11 2 10 5 3322.9 -4.43 145.34
 110.00 7 27 27 2684.92 -32.02 73.69 278.55 77.35 8 12 11 2084.3 -33.43 64.74
 110.00 1 26 50 3853.44 4.98 143.23 262.58 56.14 2 31 4 3253.4 .50 137.01

DIFFERENTIAL CORRECTIONS

TDE 3.0457 TRA 4.6499 TC3-1.8818 BAU 1.1633
 RDE .4869 RRA -.0109 RC3 .0180 FAU .00979
 FDE .7152 FRA 1.3523 FC3 -.1833 BSP 18580
 BDE 3.0844 BRA 4.6499 BC3 1.8819 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 5657.1 SGR 411.1 SG3 122.8
 RRT .4067 RRF .3906 RTF .9539
 SGB 5672.0 R23 .0010 R13 .9539
 SG1 5659.6 SG2 375.4 THA 1.70

ORBIT DETERMINATION ACCURACY

ST 2879.2 SR 410.2 SS 654.0
 CRT .8879 CRS -.8425 CST -.9957
 LSA 2974.4 MSA 197.6 SSA 12.8
 EL1 2902.3 EL2 187.2 ALF 7.24

LAUNCH DATE DEC 13 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 590.620
 RL 147.27 LAL -0.00 LOL 80.78 VL 26.091 GAL 11.25 AZL 86.77 HCA 300.34 SMA 118.32 ECC .30922 INC 3.2317 V1 30.253
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.411 GAP 17.39 AZP 88.37 TAL 152.13 TAP 92.47 RCA 81.73 APO 154.91 V2 34.942
 RC 199.580 GL 11.54 GP -.94 ZAL 43.01 ZAP 178.62 ETS 225.14 ZAE 130.12 ETE 181.19 ZAC 114.15 ETC 166.70 CLP 179.00

PLANETOCENTRIC CONIC

C3 52.012 VHL 7.212 CLA 25.41 RAL 32.60 RAD 6568.9 VEL 13.167 PTH 2.40 VHP 11.106 DPA 4.40 RAP 20.06 ECC 1.8560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 42 3403.57 -22.61 124.63 280.16 72.48 4 55 25 2803.6 -24.79 116.64
 90.00 0 13 59 4144.96 -1.74 168.91 271.21 61.73 1 23 4 3545.0 -5.50 162.26
 100.00 5 44 24 3062.75 -25.42 100.49 281.09 73.72 6 35 27 2462.7 -27.41 92.25
 100.00 1 10 57 3961.02 .83 153.97 269.78 60.12 2 16 59 3361.0 -3.15 147.44
 110.00 7 37 54 2707.64 -31.66 75.41 282.99 76.39 8 23 2 2107.6 -33.21 66.53
 110.00 1 33 57 3888.89 6.32 145.10 266.37 56.34 2 38 46 3288.9 1.86 138.86

DIFFERENTIAL CORRECTIONS

TDE 3.1159 TRA 5.1026 TC3-1.6361 BAU 1.1377
 RDE .5114 RRA .0094 RC3 .0123 FAU .00850
 FDE .7099 FRA 1.4114 FC3 -.1415 BSP 18636
 BDE 3.1576 BRA 5.1027 BC3 1.6361 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 5642.6 SGR 406.7 SG3 119.1
 RRT .4362 RRF .4205 RTF .9576
 SGB 5657.2 R23 .0012 R13 .9576
 SG1 5645.4 SG2 365.8 THA 1.81

ORBIT DETERMINATION ACCURACY

ST 2818.8 SR 406.3 SS 648.6
 CRT .8811 CRS -.8378 CST -.9962
 LSA 2914.0 MSA 199.5 SSA 12.2
 EL1 2841.6 EL2 190.6 ALF 7.27

LAUNCH DATE DEC 13 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 595.066

RL 147.27 LAL -.00 LOL 80.78 VL 26.054 GAL 12.39 AZL 86.79 HCA 303.53 SMA 118.12 ECC .32262 INC 3.2115 V1 30.253
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.397 GAP 18.24 AZP 88.22 TAL 150.72 TAP 94.24 RCA 80.01 APO 156.23 V2 34.955
 RC 201.376 GL 10.71 GP -.93 ZAL 41.19 ZAP 177.88 ETS 207.93 ZAE 130.04 ETE 181.20 ZAC 116.35 ETC 166.56 CLP 178.09

PLANETOCENTRIC CONIC

C3 58.812 VHL 7.669 DLA 25.20 RAL 34.67 RAD 6569.1 VEL 13.423 PTH 2.45 VHP 11.629 DPA 5.34 RAP 22.15 ECC 1.9679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 50 3420.49 -22.26 125.74 284.39 72.03 5 7 51 2820.5 -24.51 117.80
 90.00 0 18 20 4188.58 -.33 171.34 274.91 61.68 1 28 8 3588.6 -4.11 164.71
 100.00 5 55 44 3082.31 -25.04 101.81 285.34 73.12 6 47 7 2482.3 -27.12 93.63
 100.00 1 16 7 4002.00 2.22 156.22 273.49 60.18 2 22 49 3402.0 -1.76 149.70
 110.00 7 48 13 2730.38 -31.29 77.08 287.33 75.47 8 33 43 2130.4 -32.96 68.26
 110.00 1 40 7 3926.69 7.75 147.10 270.08 56.80 2 45 34 3326.7 3.30 140.84

DIFFERENTIAL CORRECTIONS

TDE 3.1918 TRA 5.5922 TC3-1.4048 BAU 1.1046
 RDE .5361 RRA .0323 RC3 .0080 FAU .00721
 FDE .7068 FRA 1.4754 FC3 -.1062 BSP 18660
 BDE 3.2365 BRA 5.5923 BC3 1.4048 FSP -395

MID-COURSE EXECUTION ACCURACY

SGT 5625.9 SGR 401.6 SG3 115.6
 RRT .4657 RRF .4506 RTF .9614
 SGB 5640.3 R23 .0012 R13 .9614
 SGI 5629.1 SG2 355.2 THA 1.91

ORBIT DETERMINATION ACCURACY

ST 2758.6 SR 400.6 SS 645.3
 CRT .8743 CRS -.8335 CST -.9967
 LSA 2854.2 MSA 200.6 SSA 11.6
 EL1 2780.8 EL2 192.9 ALF 7.27

LAUNCH DATE DEC 13 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 599.266

RL 147.27 LAL -.00 LOL 80.78 VL 26.019 GAL 13.62 AZL 86.81 HCA 306.72 SMA 117.92 ECC .33755 INC 3.1898 V1 30.253
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.384 GAP 19.19 AZP 88.09 TAL 149.38 TAP 96.10 RCA 78.12 APO 157.73 V2 34.968
 RC 203.147 GL 9.91 GP -.91 ZAL 39.48 ZAP 177.01 ETS 199.88 ZAE 129.91 ETE 181.22 ZAC 118.52 ETC 166.38 CLP 177.15

PLANETOCENTRIC CONIC

C3 66.858 VHL 8.177 DLA 24.96 RAL 36.59 RAD 6569.3 VEL 13.719 PTH 2.51 VHP 12.210 DPA 6.25 RAP 24.22 ECC 2.1003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 59 3436.14 -21.92 126.77 288.53 71.62 5 20 15 2836.1 -24.23 118.86
 90.00 0 21 32 4234.88 1.16 173.93 278.49 61.70 1 32 7 3634.9 -2.63 167.30
 100.00 6 6 59 3100.83 -24.67 103.07 289.49 72.57 6 58 40 2500.8 -26.82 94.93
 100.00 1 20 13 4045.43 3.69 158.61 277.09 60.32 2 27 39 3445.4 -.29 152.08
 110.00 7 58 19 2752.51 -30.90 78.68 291.57 74.59 8 44 12 2152.5 -32.70 69.93
 110.00 1 45 23 3966.51 9.23 149.23 273.69 56.94 2 51 29 3366.5 4.81 142.93

DIFFERENTIAL CORRECTIONS

TDE 3.2742 TRA 6.1207 TC3-1.1889 BAU 1.0627
 RDE .5611 RRA .0580 RC3 .0049 FAU .00589
 FDE .7063 FRA 1.5452 FC3 -.0763 BSP 18671
 BDE 3.3219 BRA 6.1209 BC3 1.1889 FSP -383

MID-COURSE EXECUTION ACCURACY

SGT 5605.6 SGR 395.8 SG3 112.2
 RRT .4951 RRF .4807 RTF .9653
 SGB 5619.5 R23 .0011 R13 .9653
 SGI 5609.0 SG2 343.7 THA 2.01

ORBIT DETERMINATION ACCURACY

ST 2698.4 SR 393.4 SS 644.5
 CRT .8677 CRS -.8296 CST -.9972
 LSA 2794.8 MSA 200.5 SSA 11.1
 EL1 2720.0 EL2 194.0 ALF 7.25

LAUNCH DATE DEC 13 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 603.164

RL 147.27 LAL -.00 LOL 80.78 VL 25.984 GAL 14.98 AZL 86.83 HCA 309.92 SMA 117.73 ECC .35424 INC 3.1662 V1 30.253
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.371 GAP 20.26 AZP 87.97 TAL 148.13 TAP 98.05 RCA 76.03 APO 159.44 V2 34.981
 RC 204.893 GL 9.12 GP -.90 ZAL 37.91 ZAP 176.07 ETS 195.42 ZAE 129.75 ETE 181.23 ZAC 120.64 ETC 166.16 CLP 176.17

PLANETOCENTRIC CONIC

C3 76.434 VHL 8.743 DLA 24.68 RAL 38.37 RAD 6569.5 VEL 14.064 PTH 2.56 VHP 12.857 DPA 7.14 RAP 26.26 ECC 2.2579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 2 3450.62 -21.61 127.72 292.55 71.24 5 32 32 2850.6 -23.97 119.84
 90.00 0 23 42 4283.39 2.73 176.63 281.95 61.80 1 35 6 3683.4 -1.06 170.00
 100.00 6 18 5 3118.34 -24.31 104.24 293.52 72.05 7 10 4 2518.3 -26.54 96.15
 100.00 1 23 20 4090.91 5.22 161.12 280.57 60.53 2 31 31 3490.9 1.25 154.57
 110.00 8 8 10 2773.94 -30.50 80.23 295.67 73.76 8 54 24 2173.9 -32.42 71.54
 110.00 1 49 44 4008.07 10.77 151.47 277.20 57.36 2 56 32 3408.1 6.39 145.12

DIFFERENTIAL CORRECTIONS

TDE 3.3698 TRA 6.6966 TC3 -.9865 BAU 1.0081
 RDE .5864 RRA .0867 RC3 .0030 FAU .00447
 FDE .7095 FRA 1.6229 FC3 -.0506 BSP 18566
 BDE 3.4204 BRA 6.6972 BC3 .9865 FSP -370

MID-COURSE EXECUTION ACCURACY

SGT 5583.7 SGR 389.4 SG3 109.1
 RRT .5250 RRF .5114 RTF .9692
 SGB 5597.3 R23 .0009 R13 .9692
 SGI 5587.5 SG2 331.2 THA 2.10

ORBIT DETERMINATION ACCURACY

ST 2641.8 SR 384.8 SS 647.3
 CRT .8617 CRS -.8265 CST -.9977
 LSA 2739.7 MSA 199.4 SSA 10.5
 EL1 2662.6 EL2 193.7 ALF 7.19

LAUNCH DATE DEC 13 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 606.686

RL 147.27 LAL -.00 LOL 80.78 VL 25.950 GAL 16.47 AZL 86.86 HCA 313.11 SMA 117.55 ECC .37297 INC 3.1402 V1 30.253
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.360 GAP 21.45 AZP 87.85 TAL 147.00 TAP 100.11 RCA 73.71 APO 161.40 V2 34.994
 RC 206.614 GL 8.36 GP -.89 ZAL 36.47 ZAP 175.05 ETS 192.63 ZAE 129.52 ETE 181.24 ZAC 122.72 ETC 165.91 CLP 175.13

PLANETOCENTRIC CONIC

C3 87.907 VHL 9.376 DLA 24.36 RAL 40.00 RAD 6569.7 VEL 14.466 PTH 2.63 VHP 13.583 DPA 7.99 RAP 28.26 ECC 2.4467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 51 3463.95 -21.32 128.58 296.44 70.91 5 44 35 2863.9 -23.73 120.74
 90.00 0 24 52 4333.65 4.34 179.45 285.26 61.99 1 37 6 3733.7 .56 172.81
 100.00 6 28 58 3134.75 -23.96 105.34 297.41 71.57 7 21 12 2534.8 -26.26 97.29
 100.00 1 25 27 4138.08 6.79 163.74 283.92 60.82 2 34 25 3538.1 2.85 157.16
 110.00 8 17 42 2794.53 -30.10 81.70 299.61 72.97 9 4 17 2194.5 -32.13 73.07
 110.00 1 53 12 4051.07 12.34 153.81 280.59 57.86 3 0 43 3451.1 8.00 147.40

DIFFERENTIAL CORRECTIONS

TDE 3.4708 TRA 7.3166 TC3 -.8026 BAU .9433
 RDE .6117 RRA .1182 RC3 .0021 FAU .00303
 FDE .7145 FRA 1.7071 FC3 -.0299 BSP 18574
 BDE 3.5243 BRA 7.3176 BC3 .8026 FSP -360

MID-COURSE EXECUTION ACCURACY

SGT 5554.5 SGR 382.1 SG3 106.0
 RRT .5541 RRF .5413 RTF .9730
 SGB 5567.7 R23 .0004 R13 .9730
 SGI 5558.6 SG2 317.9 THA 2.19

ORBIT DETERMINATION ACCURACY

ST 2582.4 SR 374.6 SS 652.0
 CRT .8559 CRS -.8236 CST -.9981
 LSA 2682.4 MSA 197.1 SSA 10.0
 EL1 2602.3 EL2 192.2 ALF 7.12

LAUNCH DATE DEC 13 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -1.00 LOL 80.78 VL 25.918 GAL 18.12 AZL 86.89 MCA 316.31 SMA 117.38 ECC .39407 INC 3.1114 VI 30.253
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.350 GAP 22.80 AZP 87.75 TAL 146.00 TAP 102.32 RCA 71.12 APO 163.64 V2 35.007
 RC 208.309 GL 7.62 GP -.88 ZAL 35.18 ZAP 173.97 ETS 190.72 ZAE 129.24 ETE 181.24 ZAC 124.72 ETC 165.63 CLP 174.03

PLANETOCENTRIC CONIC
 C3 101.755 VHL 10.087 DLA 24.00 RAL 41.47 RAD 6570.0 VEL 14.936 PTH 2.69 VHP 14.402 DPA 8.81 RAP 30.22 ECC 2.6746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 24 3476.03 -21.05 129.36 300.16 70.61 5 56 20 2876.0 -23.50 121.55
 90.00 0 25 3 4385.28 5.98 182.35 288.43 62.27 1 38 8 3785.3 2.23 175.69
 100.00 6 39 32 3149.95 -23.63 106.34 301.13 71.14 7 32 2 2549.9 -25.99 98.34
 100.00 1 26 36 4186.59 8.39 166.45 287.12 61.21 2 36 22 3586.6 4.49 159.84
 110.00 8 26 53 2814.08 -29.70 83.08 303.38 72.24 9 13 47 2214.1 -31.84 74.52
 110.00 1 55 44 4095.22 13.92 156.25 283.85 58.46 3 3 59 3495.2 9.65 149.76

MID-COURSE EXECUTION ACCURACY
 SGT 5521.6 SGR 374.2 SG3 103.1
 RRT .5831 RRF .5712 RTF .9768
 SGB 5534.3 R23 -.0001 R13 .9768
 SG1 5525.9 SG2 303.8 THA 2.27

ORBIT DETERMINATION ACCURACY
 ST 2524.8 SR 363.1 SS 660.3
 CRT .8507 CRS -.8214 CST -.9985
 LSA 2627.7 MSA 193.6 SSA 9.4
 EL1 2543.7 EL2 189.4 ALF 7.01

DIFFERENTIAL CORRECTIONS
 TDE 3.5864 TRA 7.9938 TC3 -.6338 BAU .8622
 RDE .6372 RRA .1529 RC3 .0019 FAU .00146
 FDE .7232 FRA 1.8011 FC3 -.0124 BSP 18558
 BDE 3.6426 BRA 7.9952 BC3 .6338 FSP -350

LAUNCH DATE DEC 13 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -1.00 LOL 80.78 VL 25.888 GAL 19.97 AZL 86.92 MCA 319.52 SMA 117.22 ECC .41793 INC 3.0789 VI 30.253
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.341 GAP 24.33 AZP 87.66 TAL 145.17 TAP 104.69 RCA 68.23 APO 166.21 V2 35.020
 RC 209.976 GL 6.89 GP -.87 ZAL 34.05 ZAP 172.80 ETS 189.35 ZAE 128.87 ETE 181.25 ZAC 126.66 ETC 165.31 CLP 172.85

PLANETOCENTRIC CONIC
 C3 118.610 VHL 10.891 DLA 23.62 RAL 42.77 RAD 6570.2 VEL 15.490 PTH 2.76 VHP 15.332 DPA 9.59 RAP 32.11 ECC 2.9520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 34 3486.67 -20.80 130.05 303.70 70.34 6 7 41 2886.7 -23.30 122.27
 90.00 0 24 13 4437.93 7.64 185.33 291.42 62.65 1 38 11 3837.9 3.92 178.63
 100.00 6 49 44 3163.69 -23.32 107.25 304.66 70.76 7 42 28 2563.7 -25.74 99.28
 100.00 1 26 44 4236.14 10.01 169.24 290.16 61.69 2 37 20 3636.1 6.15 162.58
 110.00 8 35 39 2832.34 -29.31 84.36 306.93 71.57 9 22 51 2232.3 -31.55 75.87
 110.00 1 57 19 4140.25 15.51 158.78 286.96 59.15 3 6 19 3540.3 11.30 152.19

MID-COURSE EXECUTION ACCURACY
 SGT 5484.7 SGR 365.7 SG3 100.3
 RRT .6118 RRF .6008 RTF .9804
 SGB 5496.9 R23 -.0008 R13 .9804
 SG1 5489.3 SG2 289.0 THA 2.34

ORBIT DETERMINATION ACCURACY
 ST 2468.8 SR 350.4 SS 672.7
 CRT .8464 CRS -.8201 CST -.9988
 LSA 2575.7 MSA 188.9 SSA 8.9
 EL1 2486.6 EL2 185.3 ALF 6.89

DIFFERENTIAL CORRECTIONS
 TDE 3.7197 TRA 8.7360 TC3 -.4798 BAU .7609
 RDE .6631 RRA .1909 RC3 .0024 FAU-.00030
 FDE .7363 FRA 1.9067 FC3 .0022 BSP 18523
 BDE 3.7783 BRA 8.7380 BC3 .4798 FSP -341

LAUNCH DATE DEC 13 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -1.00 LOL 80.78 VL 25.859 GAL 22.04 AZL 86.96 MCA 322.72 SMA 117.07 ECC .44502 INC 3.0418 VI 30.253
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.334 GAP 26.09 AZP 87.58 TAL 144.55 TAP 107.27 RCA 64.97 APO 169.16 V2 35.034
 RC 211.617 GL 6.19 GP -.86 ZAL 33.09 ZAP 171.53 ETS 188.31 ZAE 128.40 ETE 181.25 ZAC 128.49 ETC 164.97 CLP 171.57

PLANETOCENTRIC CONIC
 C3 139.317 VHL 11.803 DLA 23.19 RAL 43.88 RAD 6570.5 VEL 16.145 PTH 2.84 VHP 16.394 DPA 10.32 RAP 33.92 ECC 3.2928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 18 3495.59 -20.60 130.63 307.00 70.13 6 18 34 2895.6 -23.12 122.86
 90.00 0 22 20 4491.33 9.30 188.38 294.22 63.13 1 37 11 3891.3 5.62 181.63
 100.00 6 59 31 3175.70 -23.05 108.04 307.95 70.43 7 52 27 2575.7 -25.51 100.10
 100.00 1 25 48 4286.45 11.62 172.11 293.00 62.26 2 37 15 3686.5 7.81 165.38
 110.00 8 43 57 2848.99 -28.95 85.52 310.24 70.97 9 31 26 2249.0 -31.27 77.08
 110.00 1 57 52 4185.92 17.09 161.38 289.89 59.93 3 7 38 3585.9 12.96 154.69

MID-COURSE EXECUTION ACCURACY
 SGT 5446.3 SGR 356.6 SG3 97.8
 RRT .6404 RRF .6305 RTF .9838
 SGB 5458.0 R23 -.0015 R13 .9838
 SG1 5451.1 SG2 273.7 THA 2.41

ORBIT DETERMINATION ACCURACY
 ST 2416.9 SR 336.7 SS 690.6
 CRT .8432 CRS -.8199 CST -.9990
 LSA 2529.4 MSA 182.9 SSA 8.4
 EL1 2433.6 EL2 179.8 ALF 6.74

DIFFERENTIAL CORRECTIONS
 TDE 3.8804 TRA 9.5575 TC3 -.3389 BAU .6313
 RDE .6896 RRA .2326 RC3 .0035 FAU-.00240
 FDE .7556 FRA 2.0272 FC3 .0149 BSP 18351
 BDE 3.9412 BRA 9.5604 BC3 .3389 FSP -330

LAUNCH DATE DEC 13 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC
 RL 147.27 LAL -1.00 LOL 80.78 VL 25.834 GAL 24.40 AZL 87.00 MCA 325.93 SMA 116.93 ECC .47589 INC 2.9989 VI 30.253
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.328 GAP 28.11 AZP 87.52 TAL 144.17 TAP 110.10 RCA 61.28 APO 172.57 V2 35.047
 RC 213.230 GL 5.50 GP -.84 ZAL 32.33 ZAP 170.14 ETS 187.49 ZAE 127.81 ETE 181.25 ZAC 130.21 ETC 164.60 CLP 170.17

PLANETOCENTRIC CONIC
 C3 165.015 VHL 12.846 DLA 22.72 RAL 44.78 RAD 6570.8 VEL 16.922 PTH 2.92 VHP 17.616 DPA 11.00 RAP 35.62 ECC 3.7157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 33 3502.40 -20.44 131.06 310.03 69.97 6 28 55 2902.4 -22.99 123.31
 90.00 0 19 17 4545.25 10.94 191.49 296.79 63.72 1 35 3 3945.2 7.32 184.68
 100.00 7 8 48 3185.57 -22.83 108.68 310.96 70.16 8 1 54 2585.6 -25.32 100.77
 100.00 1 23 43 4337.32 13.21 175.04 295.62 62.94 2 36 0 3737.3 9.48 168.24
 110.00 8 51 43 2863.63 -28.62 86.53 313.26 70.46 9 39 26 2263.6 -31.01 78.15
 110.00 1 57 18 4232.01 18.64 164.05 292.61 60.81 3 7 50 3632.0 14.60 157.25

MID-COURSE EXECUTION ACCURACY
 SGT 5399.5 SGR 346.8 SG3 95.4
 RRT .6679 RRF .6590 RTF .9868
 SGB 5410.7 R23 -.0022 R13 .9868
 SG1 5404.5 SG2 257.9 THA 2.46

ORBIT DETERMINATION ACCURACY
 ST 2363.1 SR 322.1 SS 712.9
 CRT .8409 CRS -.8205 CST -.9993
 LSA 2483.0 MSA 175.9 SSA 7.8
 EL1 2378.7 EL2 173.1 ALF 6.57

DIFFERENTIAL CORRECTIONS
 TDE 4.0622 TRA10.4575 TC3 -.2141 BAU .4724
 RDE .7164 RRA .2776 RC3 .0049 FAU-.00481
 FDE .7797 FRA 2.1625 FC3 .0253 BSP 18311
 BDE 4.1249 BRA10.4612 BC3 .2141 FSP -322

LAUNCH DATE DEC 14 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 22 1966

HELIOCENTRIC CONIC

DISTANCE 193.040

RL 147.25 LAL -0.00 LOL 81.79 VL 27.833 GAL -10.05 AZL 86.61 MCA 87.45 SMA 129.11 ECC .22266 INC 3.3934 V1 30.256
 RP 107.63 LAP 3.39 LOP 169.24 VP 37.924 GAP -8.63 AZP 89.85 TAL 221.55 TAP 309.00 RCA 100.37 APO 157.86 V2 35.208
 RC 54.462 GL 16.42 GP 1.92 ZAL 144.65 ZAP 21.47 ETS 354.04 ZAE 150.10 ETE 344.10 ZAC 62.86 ETC 163.90 CLP -21.38

PLANETOCENTRIC CONIC

C3 32.946 VHL 5.740 DLA -5.20 RAL 292.63 RAD 6568.3 VEL 12.422 PTH 2.24 VHP 6.272 DPA -13.44 RAP 330.50 ECC 1.5422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 23 2175.71 -18.61 39.03 161.01 111.74 2 37 39 1575.7 -15.49 31.74
 90.00 12 41 54 5143.07 25.30 229.29 164.23 76.84 14 7 37 4543.1 23.24 221.22
 100.00 3 20 17 1921.21 -19.80 19.80 160.50 112.87 3 52 18 1321.2 -16.53 12.54
 100.00 14 5 42 4872.80 26.55 209.07 163.89 75.73 15 26 55 4272.8 24.33 200.98
 110.00 4 22 55 1725.12 -22.97 3.37 158.95 116.04 4 51 40 1125.1 -19.28 356.18
 110.00 15 19 33 4641.65 29.91 190.44 162.81 72.62 16 36 55 4041.6 27.24 182.27

DIFFERENTIAL CORRECTIONS

TDE -.1875 TRA -.3173 TC3 .3893 BAU .1761
 RDE -.3750 RRA .0588 RC3 -.0910 FAU .05611
 FDE .4652 FRA -.6624 FC3-1.4745 BSP 1499
 BDE .4192 BRA .3227 BC3 .3998 FSP -434

MID-COURSE EXECUTION ACCURACY

SGT 579.6 SGR 393.0 SG3 162.1
 RRT .0204 RRF -.0490 RTF -.5812
 SGB 700.3 R23 -.0270 R13 -.5818
 SG1 579.7 SG2 392.9 TMA 1.47

ORBIT DETERMINATION ACCURACY

ST 210.5 SR 374.7 SS 275.2
 CRT .8662 CRS .9310 CST .6417
 LSA 489.8 MSA 141.3 SSA 24.5
 EL1 419.4 EL2 94.0 ALF 62.55

LAUNCH DATE DEC 14 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 199.827

RL 147.25 LAL -0.00 LOL 81.79 VL 27.950 GAL -9.98 AZL 86.62 MCA 90.69 SMA 129.94 ECC .21742 INC 3.3752 V1 30.256
 RP 107.66 LAP 3.38 LOP 172.48 VP 38.001 GAP -7.80 AZP 90.04 TAL 222.89 TAP 313.58 RCA 101.69 APO 158.19 V2 35.200
 RC 56.291 GL 16.61 GP 2.06 ZAL 145.46 ZAP 24.83 ETS 354.46 ZAE 150.84 ETE 344.50 ZAC 62.69 ETC 163.95 CLP -24.75

PLANETOCENTRIC CONIC

C3 32.149 VHL 5.670 DLA -5.16 RAL 291.63 RAD 6568.3 VEL 12.390 PTH 2.24 VHP 5.855 DPA -13.35 RAP 330.33 ECC 1.5291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 8 2170.68 -18.48 38.72 159.61 111.84 2 33 18 1570.7 -15.35 31.44
 90.00 12 38 12 5135.76 25.19 228.78 162.77 76.61 14 3 47 4535.8 23.10 220.74
 100.00 3 16 2 1916.12 -19.66 19.49 159.10 112.98 3 47 58 1316.1 -16.38 12.23
 100.00 14 1 58 4865.55 26.43 208.57 162.42 75.49 15 23 4 4265.5 24.17 200.49
 110.00 4 18 42 1719.92 -22.82 3.05 157.55 116.17 4 47 22 1119.9 -19.11 355.87
 110.00 15 15 47 4634.52 29.76 189.94 161.33 72.35 16 33 2 4034.5 27.06 181.79

DIFFERENTIAL CORRECTIONS

TDE -.1846 TRA -.3098 TC3 .3955 BAU .1743
 RDE -.3703 RRA .0574 RC3 -.0893 FAU .06275
 FDE .5270 FRA -.7810 FC3-1.6897 BSP 1482
 BDE .4138 BRA .3151 BC3 .4054 FSP -504

MID-COURSE EXECUTION ACCURACY

SGT 578.6 SGR 392.0 SG3 185.0
 RRT .0270 RRF -.0614 RTF -.5729
 SGB 698.9 R23 -.0328 R13 -.5738
 SG1 578.8 SG2 391.8 TMA 1.93

ORBIT DETERMINATION ACCURACY

ST 209.5 SR 374.6 SS 296.5
 CRT .8681 CRS .9259 CST .6331
 LSA 499.8 MSA 147.4 SSA 24.6
 EL1 419.0 EL2 93.0 ALF 62.65

LAUNCH DATE DEC 14 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 206.586

RL 147.25 LAL -0.00 LOL 81.79 VL 28.051 GAL -9.92 AZL 86.64 MCA 93.92 SMA 130.66 ECC .21294 INC 3.3571 V1 30.256
 RP 107.69 LAP 3.35 LOP 175.72 VP 38.067 GAP -7.01 AZP 90.23 TAL 224.10 TAP 318.03 RCA 102.84 APO 158.48 V2 35.191
 RC 58.184 GL 16.77 GP 2.22 ZAL 146.16 ZAP 28.39 ETS 354.79 ZAE 151.89 ETE 344.81 ZAC 62.34 ETC 163.98 CLP -28.31

PLANETOCENTRIC CONIC

C3 31.465 VHL 5.609 DLA -5.13 RAL 290.75 RAD 6568.3 VEL 12.363 PTH 2.23 VHP 5.470 DPA -13.31 RAP 329.96 ECC 1.5178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 26 2166.09 -18.36 38.43 158.38 111.94 2 29 32 1566.1 -15.23 31.16
 90.00 12 34 54 5129.52 25.09 228.35 161.48 76.42 14 0 23 4529.5 22.97 220.32
 100.00 3 12 21 1911.50 -19.54 19.20 157.86 113.08 3 44 12 1311.5 -16.24 11.95
 100.00 13 58 39 4859.35 26.32 208.14 161.14 75.29 15 19 39 4259.4 24.04 200.08
 110.00 4 15 3 1715.20 -22.68 2.76 156.32 116.29 4 43 38 1115.2 -18.96 355.59
 110.00 15 12 27 4628.42 29.63 189.51 160.04 72.13 16 29 35 4028.4 26.91 181.38

DIFFERENTIAL CORRECTIONS

TDE -.1801 TRA -.3063 TC3 .3946 BAU .1699
 RDE -.3656 RRA .0569 RC3 -.0863 FAU .07023
 FDE .5970 FRA -.9139 FC3-1.9322 BSP 1440
 BDE .4075 BRA .3116 BC3 .4039 FSP -584

MID-COURSE EXECUTION ACCURACY

SGT 573.1 SGR 390.1 SG3 210.7
 RRT .0337 RRF -.0762 RTF -.5560
 SGB 693.3 R23 -.0414 R13 -.5575
 SG1 573.4 SG2 389.7 TMA 2.44

ORBIT DETERMINATION ACCURACY

ST 207.1 SR 373.8 SS 318.8
 CRT .8654 CRS .9216 CST .6194
 LSA 509.9 MSA 154.0 SSA 24.5
 EL1 417.1 EL2 93.0 ALF 62.93

LAUNCH DATE DEC 14 1965

FLIGHT TIME 76.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 213.316

RL 147.25 LAL -0.00 LOL 81.79 VL 28.137 GAL -9.87 AZL 86.66 MCA 97.16 SMA 131.29 ECC .20910 INC 3.3388 V1 30.256
 RP 107.72 LAP 3.31 LOP 178.96 VP 38.122 GAP -6.26 AZP 90.42 TAL 225.18 TAP 322.33 RCA 103.83 APO 158.74 V2 35.181
 RC 60.133 GL 16.89 GP 2.39 ZAL 146.76 ZAP 32.15 ETS 355.06 ZAE 153.28 ETE 345.03 ZAC 61.79 ETC 163.99 CLP -32.07

PLANETOCENTRIC CONIC

C3 30.869 VHL 5.556 DLA -5.11 RAL 290.00 RAD 6568.2 VEL 12.339 PTH 2.22 VHP 5.115 DPA -13.31 RAP 329.39 ECC 1.5080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 16 2161.87 -18.26 38.17 157.30 112.03 2 26 18 1561.9 -15.11 30.91
 90.00 12 32 1 5124.13 25.00 227.98 160.37 76.25 13 57 25 4524.1 22.86 219.96
 100.00 3 9 12 1907.24 -19.42 18.93 156.79 113.18 3 40 59 1307.2 -16.12 11.70
 100.00 13 55 46 4853.99 26.23 207.77 160.02 75.12 15 16 40 4254.0 23.93 199.72
 110.00 4 11 55 1710.88 -22.54 2.49 155.25 116.40 4 40 26 1110.9 -18.81 355.34
 110.00 15 9 32 4623.12 29.52 189.14 158.92 71.93 16 26 35 4023.1 26.77 181.03

DIFFERENTIAL CORRECTIONS

TDE -.1734 TRA -.3074 TC3 .3854 BAU .1626
 RDE -.3606 RRA .0572 RC3 -.0820 FAU .07860
 FDE .6754 FRA-1.0615 FC3-2.2044 BSP 1372
 BDE .4001 BRA .3127 BC3 .3940 FSP -675

MID-COURSE EXECUTION ACCURACY

SGT 562.7 SGR 387.4 SG3 239.6
 RRT .0397 RRF -.0939 RTF -.5277
 SGB 683.2 R23 -.0542 R13 -.5300
 SG1 563.1 SG2 386.8 TMA 2.96

ORBIT DETERMINATION ACCURACY

ST 203.1 SR 372.3 SS 342.1
 CRT .8565 CRS .9183 CST .5979
 LSA 520.1 MSA 160.8 SSA 24.3
 EL1 413.5 EL2 94.4 ALF 63.46

LAUNCH DATE DEC 14 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -0.00 LOL 81.79 VL 28.210 GAL -9.81 AZL 86.68 MCA 100.39 SMA 131.82 ECC .20581 INC 3.3203 V1 30.256
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.166 GAP -5.54 AZP 90.60 TAL 226.10 TAP 326.49 RCA 104.69 APO 158.95 V2 35.171
 RC 62.133 GL 17.00 GP 2.58 ZAL 147.27 ZAP 36.14 ETS 355.29 ZAE 154.99 ETE 345.15 ZAC 61.01 ETC 163.98 CLP -36.06

PLANETOCENTRIC CONIC

C3 30.339 VHL 5.508 DLA -5.10 RAL 289.36 RAD 6568.2 VEL 12.317 PTH 2.22 VHP 4.791 DPA -13.38 RAP 328.59 ECC 1.4993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 37 2157.93 -18.15 37.93 156.38 112.11 2 23 35 1557.9 -15.00 30.67
 90.00 12 29 33 5119.38 24.92 227.65 159.40 76.11 13 54 53 4519.4 22.77 219.65
 100.00 3 6 33 1903.28 -19.32 18.69 155.86 113.27 3 38 16 1303.3 -16.00 11.46
 100.00 13 53 18 4849.26 26.14 207.44 159.05 74.97 15 14 7 4249.3 23.82 199.41
 110.00 4 9 17 1706.87 -22.42 2.24 154.32 116.50 4 37 44 1106.9 -18.68 355.10
 110.00 15 7 3 4618.43 29.42 188.81 157.95 71.76 16 24 2 4018.4 26.65 180.72

DIFFERENTIAL CORRECTIONS

TDE -.1630 TRA -.3126 TC3 .3683 BAU .1526
 RDE -.3553 RRA .0583 RC3 -.0763 FAU .08800
 FDE .7596 FRA-1.2262 FC3-2.5110 BSP 1301
 BDE .3910 BRA .3180 BC3 .3762 FSP -782

MID-COURSE EXECUTION ACCURACY

SGT 547.7 SGR 383.9 SG3 272.1
 RRT .0413 RRF -.1138 RTF -.4860
 SGB 668.9 R23 -.0744 R13 -.4894
 SG1 548.2 SG2 383.3 THA 3.25

ORBIT DETERMINATION ACCURACY

ST 196.2 SR 370.1 SS 365.3
 CRT .8381 CRS .9151 CST .5624
 LSA 529.4 MSA 167.6 SSA 24.1
 EL1 407.5 EL2 97.2 ALF 64.48

LAUNCH DATE DEC 14 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -0.00 LOL 81.79 VL 28.270 GAL -9.76 AZL 86.70 MCA 103.62 SMA 132.27 ECC .20298 INC 3.3014 V1 30.256
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.201 GAP -4.85 AZP 90.78 TAL 226.88 TAP 330.50 RCA 105.42 APO 159.12 V2 35.160
 RC 64.180 GL 17.08 GP 2.79 ZAL 147.69 ZAP 40.37 ETS 355.48 ZAE 157.05 ETE 345.14 ZAC 59.99 ETC 163.94 CLP -40.29

PLANETOCENTRIC CONIC

C3 29.857 VHL 5.464 DLA -5.09 RAL 288.83 RAD 6568.2 VEL 12.298 PTH 2.21 VHP 4.497 DPA -13.49 RAP 327.55 ECC 1.4914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 26 2154.22 -18.06 37.70 155.59 112.19 2 21 21 1554.2 -14.89 30.45
 90.00 12 27 32 5115.06 24.85 227.36 158.58 75.97 13 52 47 4515.1 22.68 219.36
 100.00 3 4 23 1899.55 -19.22 18.46 155.07 113.35 3 36 3 1299.6 -15.89 11.24
 100.00 13 51 16 4844.96 26.07 207.14 158.23 74.83 15 12 1 4245.0 23.73 199.12
 110.00 4 7 8 1703.11 -22.31 2.01 153.53 116.60 4 35 31 1103.1 -18.56 354.88
 110.00 15 5 1 4614.16 29.33 188.51 157.12 71.60 16 21 55 4014.2 26.54 180.44

DIFFERENTIAL CORRECTIONS

TDE -.1512 TRA -.3257 TC3 .3392 BAU .1382
 RDE -.3497 RRA .0603 RC3 -.0691 FAU .09814
 FDE .8546 FRA-1.4002 FC3-2.8456 BSP 1159
 BDE .3810 BRA .3312 BC3 .3462 FSP -895

MID-COURSE EXECUTION ACCURACY

SGT 529.3 SGR 379.8 SG3 307.3
 RRT .0416 RRF -.1386 RTF -.4194
 SGB 651.4 R23 -.1028 R13 -.4244
 SG1 529.8 SG2 379.1 THA 3.51

ORBIT DETERMINATION ACCURACY

ST 189.4 SR 367.2 SS 389.9
 CRT .8078 CRS .9139 CST .5139
 LSA 540.1 MSA 174.5 SSA 23.8
 EL1 400.3 EL2 102.4 ALF 65.69

LAUNCH DATE DEC 14 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -0.00 LOL 81.79 VL 28.320 GAL -9.71 AZL 86.72 MCA 106.85 SMA 132.64 ECC .20053 INC 3.2820 V1 30.256
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.228 GAP -4.20 AZP 90.95 TAL 227.51 TAP 334.36 RCA 106.04 APO 159.24 V2 35.149
 RC 66.268 GL 17.14 GP 3.01 ZAL 148.01 ZAP 44.83 ETS 355.67 ZAE 159.44 ETE 344.96 ZAC 58.74 ETC 163.87 CLP -44.75

PLANETOCENTRIC CONIC

C3 29.410 VHL 5.423 DLA -5.08 RAL 288.41 RAD 6568.2 VEL 12.279 PTH 2.21 VHP 4.233 DPA -13.67 RAP 326.28 ECC 1.4840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 43 2150.67 -17.97 37.48 154.92 112.26 2 19 34 1550.7 -14.79 30.24
 90.00 12 25 55 5111.04 24.79 227.08 157.89 75.85 13 51 6 4511.0 22.60 219.09
 100.00 3 2 40 1896.00 -19.12 18.24 154.41 113.42 3 34 16 1296.0 -15.79 11.03
 100.00 13 49 40 4840.95 26.00 206.87 157.53 74.70 15 10 20 4240.9 23.64 198.86
 110.00 4 5 25 1699.53 -22.20 1.79 152.87 116.69 4 33 45 1099.5 -18.44 354.67
 110.00 15 3 24 4610.18 29.25 188.23 156.42 71.46 16 20 14 4010.2 26.44 180.17

DIFFERENTIAL CORRECTIONS

TDE -.1351 TRA -.3444 TC3 .3000 BAU .1203
 RDE -.3437 RRA .0633 RC3 -.0604 FAU .10920
 FDE .9528 FRA-1.5878 FC3-3.2145 BSP 1004
 BDE .3693 BRA .3502 BC3 .3060 FSP -1025

MID-COURSE EXECUTION ACCURACY

SGT 509.6 SGR 375.1 SG3 345.7
 RRT .0314 RRF -.1668 RTF -.3252
 SGB 632.8 R23 -.1445 R13 -.3307
 SG1 509.9 SG2 374.7 THA 2.88

ORBIT DETERMINATION ACCURACY

ST 180.2 SR 363.7 SS 413.7
 CRT .7568 CRS .9128 CST .4382
 LSA 550.0 MSA 181.1 SSA 23.6
 EL1 390.8 EL2 109.6 ALF 67.58

LAUNCH DATE DEC 14 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -0.00 LOL 81.79 VL 28.359 GAL -9.65 AZL 86.74 MCA 110.08 SMA 132.93 ECC .19841 INC 3.2619 V1 30.256
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.246 GAP -3.58 AZP 91.12 TAL 228.00 TAP 338.08 RCA 106.56 APO 159.31 V2 35.138
 RC 68.394 GL 17.19 GP 3.26 ZAL 148.26 ZAP 49.53 ETS 355.84 ZAE 162.15 ETE 344.54 ZAC 57.26 ETC 163.79 CLP -49.45

PLANETOCENTRIC CONIC

C3 28.984 VHL 5.384 DLA -5.08 RAL 288.10 RAD 6568.2 VEL 12.262 PTH 2.21 VHP 3.999 DPA -13.89 RAP 324.76 ECC 1.4770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 25 2147.25 -17.88 37.26 154.37 112.33 2 18 12 1547.3 -14.70 30.03
 90.00 12 24 43 5107.17 24.72 226.82 157.30 75.73 13 49 51 4507.2 22.52 218.84
 100.00 3 1 22 1892.57 -19.03 18.02 153.85 113.50 3 32 54 1292.6 -15.69 10.82
 100.00 13 48 28 4837.09 25.93 206.60 156.95 74.57 15 9 5 4237.1 23.56 198.60
 110.00 4 4 7 1696.08 -22.09 1.58 152.32 116.77 4 32 23 1096.1 -18.32 354.47
 110.00 15 2 11 4606.34 29.16 187.96 155.83 71.32 16 18 58 4006.3 26.34 179.92

DIFFERENTIAL CORRECTIONS

TDE -.1169 TRA -.3719 TC3 .2462 BAU .0973
 RDE -.3373 RRA .0670 RC3 -.0500 FAU .12064
 FDE 1.0588 FRA-1.7772 FC3-3.6033 BSP 777
 BDE .3570 BRA .3779 BC3 .2512 FSP -1157

MID-COURSE EXECUTION ACCURACY

SGT 493.6 SGR 370.0 SG3 385.7
 RRT .0106 RRF -.2008 RTF -.1880
 SGB 616.9 R23 -.1963 R13 -.1907
 SG1 493.7 SG2 369.9 THA 1.04

ORBIT DETERMINATION ACCURACY

ST 172.5 SR 359.6 SS 438.1
 CRT .6786 CRS .9135 CST .3349
 LSA 561.6 MSA 187.3 SSA 23.2
 EL1 380.5 EL2 119.8 ALF 69.89

LAUNCH DATE DEC 14 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 246.478

RL 147.25 LAL -0.00 LOL 81.79 VL 28.388 GAL -9.59 AZL 86.76 HCA 113.30 SMA 133.16 ECC .19656 INC 3.2410 V1 30.256
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.257 GAP -2.99 AZP 91.28 TAL 228.35 TAP 341.65 RCA 106.98 APO 159.33 V2 35.128
 RC 70.553 GL 17.22 GP 3.51 ZAL 148.42 ZAP 54.46 ETS 356.02 ZAE 165.16 ETE 343.72 ZAC 55.55 ETC 163.67 CLP -54.30

PLANETOCENTRIC CONIC

C3 28.571 VHL 5.345 DLA -5.07 RAL 287.88 RAD 6568.1 VEL 12.245 PTH 2.20 VHP 3.795 DPA -14.15 RAP 323.01 ECC 1.4702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 30 2143.91 -17.79 37.06 153.92 112.40 2 17 14 1543.9 -14.60 29.83
 90.00 12 23 56 5103.34 24.66 226.55 156.83 75.62 13 48 59 4503.3 22.44 218.59
 100.00 3 0 27 1889.21 -18.94 17.82 153.40 113.57 3 31 56 1289.2 -15.59 10.62
 100.00 13 47 39 4833.27 25.86 206.34 156.47 74.45 15 8 13 4233.3 23.47 198.35
 110.00 4 3 13 1692.69 -21.99 1.37 151.87 116.86 4 31 26 1092.7 -18.21 354.28
 110.00 15 1 23 4602.56 29.08 187.70 155.35 71.19 16 18 5 4002.6 26.24 179.67

DIFFERENTIAL CORRECTIONS

TDE -.0951 TRA -.4072 TC3 .1790 BAU .0699
 RDE -.3305 RRA .0716 RC3 -.0379 FAU .13231
 FDE 1.1666 FRA-1.9654 FC3-4.0091 BSP 523
 BDE .3439 BRA .4134 BC3 .1829 FSP -1292

MID-COURSE EXECUTION ACCURACY

SGT 488.9 SGR 364.8 SG3 426.8
 RRT -.0304 RRF -.2399 RTF -.0086
 SGB 610.0 R23 .2404 R13 -.0006
 SG1 489.2 SG2 364.4 THA 177.08

ORBIT DETERMINATION ACCURACY

ST 166.4 SR 355.0 SS 461.7
 CRT .5596 CRS .9152 CST .1911
 LSA 573.7 MSA 193.0 SSA 22.8
 EL1 368.9 EL2 132.7 ALF 73.04

LAUNCH DATE DEC 14 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 253.008

RL 147.25 LAL -0.00 LOL 81.79 VL 28.409 GAL -9.52 AZL 86.78 HCA 116.52 SMA 133.32 ECC .19493 INC 3.2191 V1 30.256
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.262 GAP -2.42 AZP 91.44 TAL 228.56 TAP 345.08 RCA 107.33 APO 159.31 V2 35.114
 RC 72.741 GL 17.25 GP 3.78 ZAL 148.51 ZAP 59.58 ETS 356.21 ZAE 168.45 ETE 342.15 ZAC 55.64 ETC 163.53 CLP -59.51

PLANETOCENTRIC CONIC

C3 28.164 VHL 5.307 DLA -5.06 RAL 287.76 RAD 6568.1 VEL 12.229 PTH 2.20 VHP 3.621 DPA -14.44 RAP 321.04 ECC 1.4635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 57 2140.59 -17.71 36.85 153.56 112.46 2 16 38 1540.6 -14.51 29.63
 90.00 12 23 30 5099.49 24.59 226.29 156.44 75.50 13 48 30 4499.5 22.36 218.33
 100.00 2 59 55 1885.87 -18.85 17.61 153.05 113.64 3 31 20 1285.9 -15.49 10.43
 100.00 13 47 14 4829.43 25.79 206.07 156.09 74.33 15 7 44 4229.4 23.39 198.10
 110.00 4 2 41 1689.33 -21.89 1.16 151.52 116.94 4 30 51 1089.3 -18.10 354.08
 110.00 15 0 57 4598.74 29.00 187.43 154.96 71.05 16 17 35 3998.7 26.14 179.42

DIFFERENTIAL CORRECTIONS

TDE -.0690 TRA -.4495 TC3 .0990 BAU .0384
 RDE -.3231 RRA .0770 RC3 -.0240 FAU .14407
 FDE 1.2664 FRA-2.1496 FC3-4.4287 BSP 336
 BDE .3304 BRA .4560 BC3 .1019 FSP -1439

MID-COURSE EXECUTION ACCURACY

SGT 503.9 SGR 359.5 SG3 468.4
 RRT -.0957 RRF -.2830 RTF .1973
 SGB 619.0 R23 .2453 R13 -.2218
 SG1 506.3 SG2 356.2 THA 172.23

ORBIT DETERMINATION ACCURACY

ST 164.1 SR 349.7 SS 482.5
 CRT .3892 CRS .9166 CST .0007
 LSA 585.1 MSA 198.0 SSA 22.4
 EL1 356.7 EL2 148.2 ALF 77.45

LAUNCH DATE DEC 14 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 259.504

RL 147.25 LAL -0.00 LOL 81.79 VL 28.423 GAL -9.45 AZL 86.80 HCA 119.74 SMA 133.42 ECC .19349 INC 3.1959 V1 30.256
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.260 GAP -1.88 AZP 91.59 TAL 228.64 TAP 348.38 RCA 107.60 APO 159.23 V2 35.101
 RC 74.954 GL 17.26 GP 4.06 ZAL 148.53 ZAP 64.87 ETS 356.41 ZAE 171.94 ETE 338.85 ZAC 51.57 ETC 163.36 CLP -64.80

PLANETOCENTRIC CONIC

C3 27.754 VHL 5.268 DLA -5.05 RAL 287.73 RAD 6568.1 VEL 12.212 PTH 2.19 VHP 3.477 DPA -14.75 RAP 318.91 ECC 1.4568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 45 2137.24 -17.62 36.64 153.29 112.53 2 16 22 1537.2 -14.41 29.43
 90.00 12 23 27 5095.52 24.52 226.02 156.14 75.38 13 48 23 4495.5 22.28 218.07
 100.00 2 59 43 1882.52 -18.75 17.40 152.78 113.71 3 31 5 1282.5 -15.39 10.23
 100.00 13 47 11 4825.48 25.71 205.80 155.79 74.21 15 7 36 4225.5 23.30 197.84
 110.00 4 2 30 1685.93 -21.78 .95 151.25 117.02 4 30 36 1085.9 -17.98 353.88
 110.00 15 0 53 4594.83 28.91 187.16 154.66 70.91 16 17 28 3994.8 26.03 179.16

DIFFERENTIAL CORRECTIONS

TDE -.0407 TRA -.5003 TC3 .0035 BAU .0034
 RDE -.3152 RRA .0829 RC3 -.0085 FAU .15494
 FDE 1.3641 FRA-2.3118 FC3-4.8330 BSP 460
 BDE .3179 BRA .5071 BC3 .0092 FSP -1571

MID-COURSE EXECUTION ACCURACY

SGT 548.1 SGR 354.7 SG3 507.5
 RRT -.1764 RRF -.3319 RTF .4021
 SGB 652.8 R23 .2161 R13 -.4304
 SG1 553.9 SG2 345.4 THA 169.28

ORBIT DETERMINATION ACCURACY

ST 159.7 SR 343.9 SS 502.5
 CRT .1836 CRS .9199 CST -.2058
 LSA 598.4 MSA 202.3 SSA 22.0
 EL1 345.8 EL2 166.0 ALF 83.26

LAUNCH DATE DEC 14 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 265.966

RL 147.25 LAL -0.00 LOL 81.79 VL 28.429 GAL -9.38 AZL 86.83 HCA 122.96 SMA 133.46 ECC .19220 INC 3.1712 V1 30.256
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.253 GAP -1.36 AZP 91.73 TAL 228.60 TAP 351.56 RCA 107.81 APO 159.11 V2 35.089
 RC 77.191 GL 17.26 GP 4.35 ZAL 148.48 ZAP 70.27 ETS 356.65 ZAE 175.53 ETE 329.53 ZAC 49.39 ETC 163.17 CLP -70.21

PLANETOCENTRIC CONIC

C3 27.338 VHL 5.229 DLA -5.04 RAL 287.78 RAD 6568.1 VEL 12.195 PTH 2.19 VHP 3.361 DPA -15.05 RAP 316.65 ECC 1.4499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 53 2133.82 -17.53 36.43 153.10 112.60 2 16 27 1533.8 -14.32 29.23
 90.00 12 23 45 5091.43 24.45 225.74 155.92 75.26 13 48 36 4491.4 22.19 217.80
 100.00 2 59 51 1879.08 -18.66 17.19 152.59 113.79 3 31 10 1279.1 -15.29 10.02
 100.00 13 47 28 4821.40 25.64 205.52 155.56 74.08 15 7 49 4221.4 23.21 197.57
 110.00 4 2 39 1682.46 -21.67 .74 151.06 117.10 4 30 42 1082.5 -17.87 353.68
 110.00 15 1 9 4590.79 28.82 186.88 154.43 70.77 16 17 40 3990.8 25.92 178.90

DIFFERENTIAL CORRECTIONS

TDE -.0089 TRA -.5572 TC3 -.1047 BAU .0384
 RDE -.3067 RRA .0892 RC3 .0087 FAU .16490
 FDE 1.4424 FRA-2.4531 FC3-5.2219 BSP 836
 BDE .3069 BRA .5643 BC3 .1051 FSP -1703

MID-COURSE EXECUTION ACCURACY

SGT 622.8 SGR 350.3 SG3 543.7
 RRT -.2654 RRF -.3839 RTF .5707
 SGB 714.5 R23 .1773 R13 -.5936
 SG1 632.4 SG2 332.6 THA 168.20

ORBIT DETERMINATION ACCURACY

ST 184.2 SR 337.4 SS 517.9
 CRT -.0344 CRS .9226 CST -.4079
 LSA 610.9 MSA 205.7 SSA 21.6
 EL1 337.5 EL2 184.0 ALF 91.53

LAUNCH DATE DEC 14 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 18 1966

DISTANCE 272.394

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 28.428 GAL -9.30 AZL 86.86 HCA 126.18 SMA 133.46 ECC .19103 INC 3.1447 V1 30.256
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.241 GAP -.86 AZP 91.86 TAL 228.44 TAP 354.61 RCA 107.96 APO 158.95 V2 35.076
 RC 79.446 GL 17.26 GP 4.64 ZAL 148.37 ZAP 75.72 ETS 356.91 ZAE 178.37 ETE 272.56 ZAC 47.15 ETC 162.97 CLP -75.67

PLANETOCENTRIC CONIC
 C3 26.911 VHL 5.188 DLA -5.03 RAL 287.92 RAD 6568.1 VEL 12.177 PTM 2.19 VHP 3.273 OPA -15.33 RAP 314.33 ECC 1.4429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 20 2130.27 -17.44 36.21 152.97 112.67 2 16 50 1530.3 -14.22 29.02
 90.00 12 24 22 5087.16 24.38 225.45 155.77 75.13 13 49 9 4487.2 22.10 217.52
 100.00 3 0 18 1875.51 -18.56 16.97 152.47 113.86 3 31 34 1275.5 -15.18 9.81
 100.00 13 48 5 4817.15 25.56 205.23 155.41 73.94 15 8 22 4217.2 23.11 197.29
 110.00 4 3 7 1678.85 -21.56 .52 150.94 117.19 4 31 6 1078.9 -17.74 353.47
 110.00 15 1 45 4586.57 28.72 186.59 154.27 70.62 16 18 12 3986.6 25.81 178.62

DIFFERENTIAL CORRECTIONS
 TOE .0243 TRA -.6205 TC3 -.2266 BAU .0821 SGT 727.6 SGR 346.7 SG3 573.8 ST 208.3 SR 330.4 SS 531.5
 ROE -.2977 RRA .0957 RC3 .0273 FAU .17292 RRT -.3507 RRF -.4395 RTF .6932 CRT -.2238 CRS .9269 CST -.5653
 FDE 1.5100 FRA-2.5536 FC3-5.5629 BSP 1315 SGB 805.9 R23 .1473 R13 -.7091 LSA 625.4 MSA 208.4 SSA 21.1
 BDE .2987 BRA .6279 BC3 .2282 FSP -1805 SG1 740.0 SG2 319.2 THA 168.31 EL1 335.5 EL2 199.9 ALF 102.55

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 20 1966

DISTANCE 278.789

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 28.421 GAL -9.21 AZL 86.88 HCA 129.39 SMA 133.41 ECC .18997 INC 3.1158 V1 30.256
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.224 GAP -.39 AZP 91.98 TAL 228.17 TAP 357.56 RCA 108.07 APO 158.75 V2 35.063
 RC 81.719 GL 17.24 GP 4.94 ZAL 148.20 ZAP 81.15 ETS 357.22 ZAE 176.12 ETE 194.72 ZAC 44.92 ETC 162.76 CLP -81.12

PLANETOCENTRIC CONIC
 C3 26.471 VHL 5.145 DLA -5.02 RAL 288.13 RAD 6568.1 VEL 12.159 PTM 2.18 VHP 3.210 OPA -15.57 RAP 312.01 ECC 1.4357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 5 2126.52 -17.34 35.98 152.92 112.74 2 17 32 1526.5 -14.11 28.79
 90.00 12 25 18 5082.73 24.30 225.15 155.68 75.00 13 50 0 4482.7 22.01 217.23
 100.00 3 1 4 1871.74 -18.46 16.74 152.41 113.94 3 32 16 1271.7 -15.07 9.59
 100.00 13 49 0 4812.75 25.47 204.93 155.32 73.81 15 9 13 4212.7 23.01 197.00
 110.00 4 3 54 1675.04 -21.44 .29 150.89 117.28 4 31 49 1075.0 -17.62 353.25
 110.00 15 2 40 4582.21 28.63 186.29 154.18 70.47 16 19 2 3982.2 25.69 178.34

DIFFERENTIAL CORRECTIONS
 TOE .0591 TRA -.6876 TC3 -.3390 BAU .1281 SGT 855.3 SGR 343.8 SG3 598.3 ST 240.1 SR 322.4 SS 539.8
 ROE -.2879 RRA .1022 RC3 .0472 FAU .17922 RRT -.4315 RRF -.4963 RTF .7757 CRT -.3751 CRS .9307 CST -.6816
 FDE 1.5504 FRA-2.6217 FC3-5.8614 BSP 1836 SGB 921.9 R23 .1247 R13 -.7863 LSA 639.1 MSA 209.9 SSA 20.7
 BDE .2939 BRA .6952 BC3 .3621 FSP -1899 SG1 870.0 SG2 305.0 THA 168.76 EL1 343.4 EL2 208.9 ALF 115.70

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 22 1966

DISTANCE 285.152

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 28.410 GAL -9.11 AZL 86.92 HCA 132.60 SMA 133.32 ECC .18901 INC 3.0843 V1 30.256
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.203 GAP .06 AZP 92.09 TAL 227.80 TAP .40 RCA 108.12 APO 158.52 V2 35.050
 RC 84.008 GL 17.21 GP 5.25 ZAL 147.97 ZAP 86.51 ETS 357.57 ZAE 172.44 ETE 182.70 ZAC 42.76 ETC 162.57 CLP -86.49

PLANETOCENTRIC CONIC
 C3 26.015 VHL 5.101 DLA -5.01 RAL 288.41 RAD 6568.1 VEL 12.141 PTM 2.18 VHP 3.172 OPA -15.76 RAP 309.76 ECC 1.4281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 10 2122.47 -17.23 35.73 152.92 112.82 2 18 32 1522.5 -13.99 28.55
 90.00 12 26 30 5078.17 24.22 224.84 155.65 74.86 13 51 8 4478.2 21.91 216.93
 100.00 3 2 9 1867.68 -18.35 16.49 152.41 114.02 3 33 17 1267.7 -14.95 9.35
 100.00 13 50 12 4808.19 25.39 204.62 155.29 73.67 15 10 20 4208.2 22.91 196.70
 110.00 4 4 59 1670.96 -21.32 .04 150.90 117.38 4 32 50 1071.0 -17.48 353.01
 110.00 15 3 51 4577.68 28.52 185.98 154.14 70.31 16 20 9 3977.7 25.57 178.04

DIFFERENTIAL CORRECTIONS
 TOE .0938 TRA -.7577 TC3 -.5015 BAU .1760 SGT 1001.5 SGR 342.0 SG3 614.1 ST 277.6 SR 313.9 SS 546.0
 ROE -.2775 RRA .1084 RC3 .0680 FAU .18286 RRT -.5044 RRF -.5539 RTF .8294 CRT -.4853 CRS .9360 CST -.7564
 FDE 1.5768 FRA-2.6373 FC3-6.0850 BSP 2401 SGB 1058.3 R23 .1122 R13 -.8366 LSA 654.8 MSA 210.9 SSA 20.1
 BDE .2930 BRA .7654 BC3 .3061 FSP -1949 SG1 1017.6 SG2 290.6 THA 169.35 EL1 362.5 EL2 210.2 ALF 127.87

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 24 1966

DISTANCE 291.485

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 28.393 GAL -9.01 AZL 86.95 HCA 135.81 SMA 133.19 ECC .18812 INC 3.0493 V1 30.256
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.178 GAP .50 AZP 92.19 TAL 227.34 TAP 3.15 RCA 108.14 APO 158.25 V2 35.036
 RC 86.309 GL 17.17 GP 5.57 ZAL 147.68 ZAP 91.72 ETS 357.96 ZAE 168.73 ETE 178.65 ZAC 40.73 ETC 162.42 CLP -91.73

PLANETOCENTRIC CONIC
 C3 25.542 VHL 5.054 DLA -5.01 RAL 288.77 RAD 6568.0 VEL 12.121 PTM 2.17 VHP 3.157 OPA -15.87 RAP 307.64 ECC 1.4204
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 34 2118.01 -17.11 35.46 152.98 112.91 2 19 52 1518.0 -13.86 28.29
 90.00 12 27 56 5073.55 24.14 224.53 155.68 74.73 13 52 30 4473.6 21.81 216.63
 100.00 3 3 33 1863.22 -18.22 16.22 152.47 114.11 3 34 36 1263.2 -14.81 9.09
 100.00 13 51 38 4803.58 25.30 204.31 155.32 73.52 15 11 42 4203.6 22.80 196.40
 110.00 4 6 23 1666.49 -21.17 359.77 150.96 117.48 4 34 10 1066.5 -17.33 352.76
 110.00 15 5 17 4573.08 28.42 185.66 154.17 70.15 16 21 30 3973.1 25.45 177.74

DIFFERENTIAL CORRECTIONS
 TOE .1279 TRA -.8285 TC3 -.6512 BAU .2245 SGT 1159.0 SGR 341.0 SG3 624.0 ST 318.5 SR 304.3 SS 545.0
 ROE -.2662 RRA .1144 RC3 .0902 FAU .18478 RRT -.5731 RRF -.6099 RTF .8651 CRT -.5662 CRS .9397 CST -.8090
 FDE 1.5665 FRA-2.6252 FC3-6.2630 BSP 2983 SGB 1208.1 R23 .1029 R13 -.8702 LSA 668.0 MSA 210.7 SSA 19.7
 BDE .2953 BRA .8364 BC3 .6574 FSP -2002 SG1 1176.3 SG2 275.4 THA 169.87 EL1 389.9 EL2 204.8 ALF 137.31

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 297.787

RL 147.25 LAL -.00 LOL 81.79 VL 28.372 GAL -8.90 AZL 86.99 HCA 139.01 SMA 133.03 ECC .18729 INC 3.0101 V1 30.256
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.150 GAP .91 AZP 92.27 TAL 226.78 TAP 5.80 RCA 108.12 APO 157.95 V2 35.023
 RC 88.623 GL 17.10 GP 5.91 ZAL 147.35 ZAP 96.74 ETS 358.41 ZAE 165.13 ETE 176.60 ZAC 38.88 ETC 162.33 CLP -96.77

PLANETOCENTRIC CONIC

C3 25.050 VHL 5.005 OLA -5.01 RAL 289.20 RAD 6568.0 VEL 12.101 PTH 2.17 VHP 3.161 DPA -15.91 RAP 305.71 ECC 1.4123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 19 2113.00 -16.98 35.15 153.09 113.01 2 21 32 1513.0 -13.72 27.99
 90.00 12 29 35 5068.96 24.05 224.22 155.76 74.59 13 54 4 4469.0 21.71 216.33
 100.00 3 5 18 1858.22 -18.08 15.91 152.59 114.22 3 36 16 1258.2 -14.66 8.79
 100.00 13 53 17 4798.98 25.21 204.00 155.40 73.38 15 13 16 4199.0 22.69 196.10
 110.00 4 8 8 1661.51 -21.02 359.47 151.07 117.60 4 35 49 1061.5 -17.16 352.47
 110.00 15 6 57 4568.45 28.31 185.35 154.25 69.99 16 23 5 3968.5 25.32 177.44

DIFFERENTIAL CORRECTIONS

TDE .1607 TRA -.8985 TC3 -.8068 BAU .2728
 RDE -.2543 RRA .1195 RC3 .1130 FAU .18398
 FDE 1.5475 FRA -2.5626 FC3 -6.3584 BSP 3574
 BDE .3008 BRA .9064 BC3 .8147 FSP -2005

MID-COURSE EXECUTION ACCURACY

SGT 1323.7 SGR 341.2 SG3 625.0
 RRT -.6349 RRF -.6646 RTF .8885
 SGB 1367.0 R23 .1008 R13 -.8923
 SG1 1342.0 SG2 260.0 THA 170.34

ORBIT DETERMINATION ACCURACY

ST 361.1 SR 294.1 SS 543.1
 CRT -.6254 CRS .9453 CST -.8414
 LSA 683.6 MSA 210.1 SSA 19.0
 EL1 422.3 EL2 196.2 ALF 144.15

LAUNCH DATE DEC 14 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 304.060

RL 147.25 LAL -.00 LOL 81.79 VL 28.347 GAL -8.78 AZL 87.03 HCA 142.22 SMA 132.84 ECC .18653 INC 2.9655 V1 30.256
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.120 GAP 1.31 AZP 92.34 TAL 226.15 TAP 8.36 RCA 108.06 APO 157.62 V2 35.010
 RC 90.946 GL 17.01 GP 6.28 ZAL 146.96 ZAP 101.52 ETS 358.92 ZAE 161.71 ETE 175.30 ZAC 37.23 ETC 162.34 CLP -101.59

PLANETOCENTRIC CONIC

C3 24.537 VHL 4.953 OLA -5.04 RAL 289.69 RAD 6568.0 VEL 12.079 PTH 2.16 VHP 3.183 DPA -15.85 RAP 304.00 ECC 1.4038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 28 2107.22 -16.83 34.80 153.25 113.12 2 23 35 1507.2 -13.55 27.65
 90.00 12 31 24 5064.56 23.97 223.92 155.90 74.46 13 55 48 4464.6 21.61 216.04
 100.00 3 7 26 1852.47 -17.92 15.56 152.74 114.33 3 38 18 1252.5 -14.49 8.45
 100.00 13 55 6 4794.55 25.12 203.69 155.53 73.25 15 15 1 4194.5 22.59 195.81
 110.00 4 10 14 1655.83 -20.84 359.13 151.23 117.73 4 37 50 1055.8 -16.96 352.14
 110.00 15 8 47 4563.94 28.20 185.04 154.38 69.83 16 24 51 3963.9 25.20 177.15

DIFFERENTIAL CORRECTIONS

TDE .1905 TRA -.9665 TC3 -.9674 BAU .3205
 RDE -.2416 RRA .1243 RC3 .1373 FAU .18163
 FDE 1.5005 FRA -2.4754 FC3 -6.4084 BSP 4173
 BDE .3077 BRA .9745 BC3 .9771 FSP -2003

MID-COURSE EXECUTION ACCURACY

SGT 1492.2 SGR 342.7 SG3 620.5
 RRT -.6922 RRF -.7166 RTF .9045
 SGB 1531.1 R23 .1016 R13 -.9074
 SG1 1511.5 SG2 244.2 THA 170.72

ORBIT DETERMINATION ACCURACY

ST 403.4 SR 282.8 SS 535.5
 CRT -.6685 CRS .9499 CST -.8634
 LSA 696.9 MSA 208.7 SSA 18.4
 EL1 456.2 EL2 186.0 ALF 149.24

LAUNCH DATE DEC 14 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 310.305

RL 147.25 LAL -.00 LOL 81.79 VL 28.318 GAL -8.66 AZL 87.09 HCA 145.42 SMA 132.63 ECC .18583 INC 2.9140 V1 30.256
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.086 GAP 1.69 AZP 92.40 TAL 225.43 TAP 10.85 RCA 107.98 APO 157.27 V2 34.996
 RC 93.279 GL 16.89 GP 6.69 ZAL 146.53 ZAP 106.04 ETS 359.51 ZAE 158.50 ETE 174.31 ZAC 35.82 ETC 162.49 CLP -106.15

PLANETOCENTRIC CONIC

C3 24.002 VHL 4.899 OLA -5.08 RAL 290.26 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 3.220 DPA -15.68 RAP 302.54 ECC 1.3950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 3 2100.38 -16.64 34.38 153.45 113.24 2 26 4 1500.4 -13.36 27.24
 90.00 12 33 18 5060.58 23.90 223.65 156.09 74.35 13 57 38 4460.6 21.52 215.78
 100.00 3 10 0 1845.70 -17.73 15.15 152.95 114.47 3 40 46 1245.7 -14.28 8.05
 100.00 13 57 2 4790.49 25.04 203.42 155.73 73.12 15 16 52 4190.5 22.49 195.55
 110.00 4 12 45 1649.22 -20.63 358.73 151.44 117.88 4 40 15 1049.2 -16.74 351.77
 110.00 15 10 46 4559.73 28.10 184.75 154.57 69.69 16 26 46 3959.7 25.08 176.88

DIFFERENTIAL CORRECTIONS

TDE .2178 TRA -1.0305 TC3 -1.1309 BAU .3666
 RDE -.2285 RRA .1281 RC3 .1627 FAU .17724
 FDE 1.4469 FRA -2.3519 FC3 -6.3931 BSP 4754
 BDE .3157 BRA 1.0385 BC3 1.1425 FSP -1965

MID-COURSE EXECUTION ACCURACY

SGT 1660.3 SGR 345.6 SG3 609.3
 RRT -.7435 RRF -.7656 RTF .9150
 SGB 1695.9 R23 .1079 R13 -.9175
 SG1 1680.5 SG2 228.3 THA 171.04

ORBIT DETERMINATION ACCURACY

ST 444.7 SR 271.0 SS 526.8
 CRT -.7019 CRS .9557 CST -.8765
 LSA 711.0 MSA 207.1 SSA 17.6
 EL1 490.5 EL2 175.0 ALF 153.15

LAUNCH DATE DEC 14 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 316.523

RL 147.25 LAL -.00 LOL 81.79 VL 28.286 GAL -8.52 AZL 87.15 HCA 148.62 SMA 132.39 ECC .18517 INC 2.8535 V1 30.256
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.050 GAP 2.06 AZP 92.44 TAL 224.64 TAP 13.26 RCA 107.87 APO 156.90 V2 34.983
 RC 95.621 GL 16.72 GP 7.17 ZAL 146.07 ZAP 110.28 ETS .20 ZAE 155.50 ETE 173.44 ZAC 34.64 ETC 162.84 CLP -110.45

PLANETOCENTRIC CONIC

C3 23.443 VHL 4.842 OLA -5.16 RAL 290.89 RAD 6568.0 VEL 12.034 PTH 2.15 VHP 3.271 DPA -15.39 RAP 301.34 ECC 1.3858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 11 2092.06 -16.42 33.87 153.70 113.40 2 29 4 1492.1 -13.11 26.75
 90.00 12 35 12 5057.38 23.84 223.43 156.34 74.25 13 59 30 4457.4 21.45 215.58
 100.00 3 13 6 1837.51 -17.50 14.65 153.19 114.63 3 43 44 1237.5 -14.03 7.57
 100.00 13 58 59 4787.16 24.98 203.19 155.97 73.02 15 18 46 4187.2 22.41 195.33
 110.00 4 15 46 1641.32 -20.38 358.25 151.69 118.06 4 43 7 1041.3 -16.47 351.31
 110.00 15 12 48 4556.12 28.02 184.50 154.82 69.57 16 28 44 3956.1 24.98 176.65

DIFFERENTIAL CORRECTIONS

TDE .2403 TRA -1.0906 TC3 -1.2987 BAU .4114
 RDE -.2146 RRA .1315 RC3 .1905 FAU .17200
 FDE 1.3713 FRA -2.2175 FC3 -6.3518 BSP 5344
 BDE .3222 BRA 1.0985 BC3 1.3126 FSP -1929

MID-COURSE EXECUTION ACCURACY

SGT 1828.0 SGR 350.6 SG3 594.9
 RRT -.7905 RRF -.8112 RTF .9225
 SGB 1861.3 R23 .1175 R13 -.9247
 SG1 1849.2 SG2 212.3 THA 171.26

ORBIT DETERMINATION ACCURACY

ST 483.1 SR 258.3 SS 512.8
 CRT -.7264 CRS .9605 CST -.8849
 LSA 721.7 MSA 204.9 SSA 16.8
 EL1 522.7 EL2 164.1 ALF 156.30

LAUNCH DATE DEC 14 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 322.715

RL 147.25 LAL -0.00 LOL 81.79 VL 28.252 GAL -8.38 AZL 87.22 MCA 151.81 SMA 132.13 ECC .18457 INC 2.7808 VI 30.256
 RP 108.37 LAP 1.31 LOP 233.63 VP 38.013 GAP 2.41 AZP 92.45 TAL 223.79 TAP 15.60 RCA 107.74 APO 156.52 V2 34.970
 RC 97.969 GL 16.48 GP 7.75 ZAL 145.57 ZAP 114.23 ETS 1.01 ZAE 152.73 ETE 172.57 ZAC 33.70 ETC 163.44 CLP-114.47

PLANETOCENTRIC CONIC

C3 22.858 VHL 4.781 DLA -5.30 RAL 291.59 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 3.334 DPA -14.95 RAP 300.40 ECC 1.3762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 2 2081.66 -16.14 33.24 153.98 113.59 2 32 43 1481.7 -12.81 26.14
 90.00 12 36 59 5055.47 23.81 223.30 156.65 74.20 14 1 15 4455.5 21.41 215.45
 100.00 3 16 52 1827.32 -17.21 14.03 153.48 114.83 3 47 19 1227.3 -13.72 6.98
 100.00 14 0 50 4785.04 24.94 203.05 156.29 72.96 15 20 35 4185.0 22.36 195.20
 110.00 4 19 23 1631.59 -20.06 357.67 151.97 118.27 4 46 35 1031.6 -16.13 350.76
 110.00 15 14 48 4553.53 27.96 184.33 155.14 69.48 16 30 42 3953.5 24.91 176.48

DIFFERENTIAL CORRECTIONS

TDE .2587 TRA-1.1441 TC3-1.4691 BAU .4540
 RDE -.2006 RRA .1340 RC3 .2207 FAU .16546
 FDE 1.2928 FRA-2.0597 FC3-6.2668 BSP 5900
 BDE .3274 BRA 1.1520 BC3 1.4856 FSP -1864

MID-COURSE EXECUTION ACCURACY

SGT 1991.4 SGR 358.2 SG3 576.1
 RRT -.8313 RRF -.8528 RTF .9273
 SGB 2023.4 R23 .1337 R13 -.9294
 SG1 2013.8 SG2 196.9 THA 171.41

ORBIT DETERMINATION ACCURACY

ST 518.2 SR 245.3 SS 497.7
 CRT -.7457 CRS .9663 CST -.8880
 LSA 731.4 MSA 203.2 SSA 15.9
 EL1 552.5 EL2 153.3 ALF 158.86

LAUNCH DATE DEC 14 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 328.882

RL 147.25 LAL -0.00 LOL 81.79 VL 28.214 GAL -8.23 AZL 87.31 MCA 155.01 SMA 131.86 ECC .18401 INC 2.6913 VI 30.256
 RP 108.41 LAP 1.14 LOP 236.82 VP 37.973 GAP 2.75 AZP 92.44 TAL 222.87 TAP 17.87 RCA 107.59 APO 156.12 V2 34.957
 RC 100.323 GL 16.14 GP 8.48 ZAL 145.04 ZAP 117.89 ETS 2.00 ZAE 150.17 ETE 171.62 ZAC 32.99 ETC 164.37 CLP-118.23

PLANETOCENTRIC CONIC

C3 22.244 VHL 4.716 DLA -5.52 RAL 292.37 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 3.407 DPA -14.32 RAP 299.72 ECC 1.3661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 47 2068.20 -15.77 32.42 154.30 113.83 2 37 15 1468.2 -12.42 25.35
 90.00 12 38 27 5055.69 23.81 223.32 157.03 74.21 14 2 43 4455.7 21.42 215.47
 100.00 3 21 31 1814.21 -16.83 13.24 153.80 115.07 3 51 46 1214.2 -13.31 6.22
 100.00 14 2 24 4784.91 24.93 203.04 156.67 72.95 15 22 9 4184.9 22.36 195.19
 110.00 4 23 48 1619.24 -19.66 356.94 152.29 118.54 4 50 47 1019.2 -15.70 350.06
 110.00 15 16 37 4552.65 27.94 184.27 155.53 69.45 16 32 30 3952.6 24.88 176.43

DIFFERENTIAL CORRECTIONS

TDE .2706 TRA-1.1915 TC3-1.6448 BAU .4950
 RDE -.1860 RRA .1362 RC3 .2555 FAU .15857
 FDE 1.1975 FRA-1.8992 FC3-6.1715 BSP 6458
 BDE .3284 BRA 1.1993 BC3 1.6645 FSP -1806

MID-COURSE EXECUTION ACCURACY

SGT 2151.8 SGR 369.8 SG3 555.8
 RRT -.8670 RRF -.8899 RTF .9306
 SGB 2183.3 R23 .1550 R13 -.9326
 SG1 2175.7 SG2 182.3 THA 171.46

ORBIT DETERMINATION ACCURACY

ST 548.3 SR 231.5 SS 477.5
 CRT -.7593 CRS .9712 CST -.8882
 LSA 735.9 MSA 200.9 SSA 14.9
 EL1 577.7 EL2 143.0 ALF 161.02

LAUNCH DATE DEC 14 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 335.025

RL 147.25 LAL -0.00 LOL 81.79 VL 28.175 GAL -8.08 AZL 87.42 MCA 158.20 SMA 131.56 ECC .18350 INC 2.5778 VI 30.256
 RP 108.44 LAP .96 LOP 240.01 VP 37.932 GAP 3.08 AZP 92.39 TAL 221.89 TAP 20.08 RCA 107.42 APO 155.71 V2 34.945
 RC 102.682 GL 15.66 GP 9.41 ZAL 144.51 ZAP 121.25 ETS 3.23 ZAE 147.80 ETE 170.48 ZAC 52.49 ETC 165.71 CLP-121.73

PLANETOCENTRIC CONIC

C3 21.593 VHL 4.647 DLA -5.86 RAL 293.24 RAD 6567.9 VEL 11.957 PTH 2.13 VHP 3.491 DPA -13.45 RAP 299.26 ECC 1.3554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 52 2050.16 -15.27 31.33 154.66 114.14 2 43 2 1450.2 -11.88 24.29
 90.00 12 39 17 5059.37 23.88 223.57 157.50 74.31 14 3 36 4459.4 21.50 215.71
 100.00 3 27 26 1796.71 -16.32 12.19 154.15 115.39 3 57 22 1196.7 -12.77 5.20
 100.00 14 3 24 4788.06 25.00 203.26 157.15 73.05 15 23 12 4188.1 22.44 195.39
 110.00 4 29 19 1602.94 -19.13 355.97 152.64 118.88 4 56 2 1002.9 -15.13 349.14
 110.00 15 18 0 4554.59 27.98 184.40 156.02 69.51 16 33 55 3954.6 24.94 176.55

DIFFERENTIAL CORRECTIONS

TDE .2750 TRA-1.2308 TC3-1.8262 BAU .5341
 RDE -.1713 RRA .1377 RC3 .2961 FAU .15098
 FDE 1.0964 FRA-1.7268 FC3-6.0534 BSP 6990
 BDE .3240 BRA 1.2385 BC3 1.8501 FSP -1731

MID-COURSE EXECUTION ACCURACY

SGT 2307.2 SGR 386.6 SG3 533.0
 RRT -.8958 RRF -.9220 RTF .9325
 SGB 2339.3 R23 .1848 R13 -.9346
 SG1 2333.2 SG2 169.9 THA 171.42

ORBIT DETERMINATION ACCURACY

ST 571.9 SR 217.5 SS 454.3
 CRT -.7677 CRS .9763 CST -.8834
 LSA 735.3 MSA 199.5 SSA 13.8
 EL1 597.1 EL2 133.5 ALF 162.84

LAUNCH DATE DEC 14 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 341.145

RL 147.25 LAL -0.00 LOL 81.79 VL 28.134 GAL -7.91 AZL 87.57 MCA 161.39 SMA 131.26 ECC .18304 INC 2.4271 VI 30.256
 RP 108.48 LAP .77 LOP 243.20 VP 37.890 GAP 3.39 AZP 92.30 TAL 220.85 TAP 22.24 RCA 107.23 APO 155.29 V2 34.932
 RC 105.043 GL 14.96 GP 10.66 ZAL 143.99 ZAP 124.30 ETS 4.82 ZAE 145.58 ETE 169.04 ZAC 32.18 ETC 167.63 CLP-124.99

PLANETOCENTRIC CONIC

C3 20.897 VHL 4.571 DLA -6.41 RAL 294.20 RAD 6567.8 VEL 11.928 PTH 2.12 VHP 3.585 DPA -12.23 RAP 298.99 ECC 1.3439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 55 2024.87 -14.56 29.81 155.06 114.56 2 50 40 1424.9 -11.13 22.82
 90.00 12 38 55 5068.91 24.05 224.21 158.10 74.59 14 3 24 4468.9 21.71 216.33
 100.00 3 35 13 1772.30 -15.61 10.73 154.55 115.82 4 4 45 1172.3 -12.01 3.79
 100.00 14 3 19 4796.71 25.17 203.84 157.75 73.31 15 23 15 4196.7 22.64 195.95
 110.00 4 36 29 1580.48 -18.39 354.66 153.03 119.34 5 2 49 980.5 -14.34 347.88
 110.00 15 18 32 4561.30 28.14 184.86 156.63 69.74 16 34 33 3961.3 25.12 176.98

DIFFERENTIAL CORRECTIONS

TDE .2678 TRA-1.2613 TC3-2.0179 BAU .5720
 RDE -.1559 RRA .1391 RC3 .3469 FAU .14332
 FDE .9747 FRA-1.5546 FC3-5.9373 BSP 7522
 BDE .3099 BRA 1.2690 BC3 2.0475 FSP -1661

MID-COURSE EXECUTION ACCURACY

SGT 2459.1 SGR 411.7 SG3 509.7
 RRT -.9183 RRF -.9486 RTF .9336
 SGB 2493.3 R23 .2213 R13 -.9359
 SG1 2488.1 SG2 161.1 THA 171.22

ORBIT DETERMINATION ACCURACY

ST 586.1 SR 202.5 SS 423.0
 CRT -.7684 CRS .9803 CST -.8743
 LSA 724.1 MSA 197.5 SSA 12.6
 EL1 607.3 EL2 125.1 ALF 164.45

LAUNCH DATE DEC 14 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 347.244

RL 147.25 LAL -0.00 LOL 81.79 VL 28.090 GAL -7.74 AZL 87.78 HCA 164.57 SMA 130.95 ECC .18264 INC 2.2170 V1 30.256
 RP 108.52 LAP .59 LOP 246.38 VP 37.847 GAP 3.69 ATP 92.14 TAL 219.77 TAP 24.34 RCA 107.03 APO 154.86 V2 34.920
 RC 107.406 GL 13.88 GP 12.42 ZAL 143.51 ZAP 127.00 ETS 6.99 ZAE 143.43 ETE 167.09 ZAC 32.06 ETC 170.41 CLP-128.04

PLANETOCENTRIC CONIC

C3 20.140 VHL 4.488 OLA -7.31 RAL 295.30 RAD 6567.8 VEL 11.896 PTH 2.11 VMP 3.693 OPA -10.46 RAP 298.85 ECC 1.3315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 14 1987.36 -13.49 27.58 155.51 115.14 3 1 22 1387.4 -9.99 20.65
 90.00 12 36 19 5088.77 24.41 225.56 158.88 75.18 14 1 8 4488.8 22.13 217.63
 100.00 3 46 4 1736.26 -14.53 8.60 154.99 116.42 4 15 1 1136.3 -10.86 1.73
 100.00 14 1 10 4815.10 25.52 205.09 158.54 73.88 15 21 25 4215.1 23.06 197.16
 110.00 4 46 18 1547.66 -17.28 352.75 153.45 119.96 5 12 6 947.7 -13.17 346.06
 110.00 15 17 26 4576.46 28.49 185.89 157.46 70.26 16 33 42 3976.5 25.54 177.96

DIFFERENTIAL CORRECTIONS

TDE .2456 TRA-1.2783 TC3-2.2201 BAU .6080
 RDE -.1399 RRA .1398 RC3 .4123 FAU .13491
 FDE .8369 FRA-1.3682 FC3-5.7991 BSP .8007
 BDE .2826 BRA 1.2859 BC3 2.2581 FSP -1572

MID-COURSE EXECUTION ACCURACY

SGT 2603.1 SGR 448.5 SG3 483.7
 RRT -.9330 RRF -.9693 RTF .9336
 SGB 2641.5 R23 .2638 R13 -.9362
 SG1 2636.7 SG2 159.3 THA 170.83

ORBIT DETERMINATION ACCURACY

ST 587.8 SR 186.9 SS 383.6
 CRT -.7583 CRS .9839 CST -.8564
 LSA 699.3 MSA 196.0 SSA 11.4
 EL1 605.4 EL2 118.3 ALF 165.90

LAUNCH DATE DEC 14 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 353.321

RL 147.25 LAL -0.00 LOL 81.79 VL 28.046 GAL -7.56 AZL 88.10 HCA 167.76 SMA 130.62 ECC .18228 INC 1.9012 V1 30.256
 RP 108.56 LAP .40 LOP 249.56 VP 37.803 GAP 3.98 ATP 91.86 TAL 218.63 TAP 26.39 RCA 106.81 APO 154.43 V2 34.909
 RC 109.770 GL 12.12 GP 15.08 ZAL 143.13 ZAP 129.22 ETS 10.13 ZAE 141.21 ETE 164.28 ZAC 32.14 ETC 174.59 CLP-130.90

PLANETOCENTRIC CONIC

C3 19.298 VHL 4.393 OLA -8.87 RAL 296.58 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 3.824 OPA -7.78 RAP 298.76 ECC 1.3176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 35 1927.14 -11.72 24.04 156.06 115.96 3 17 42 1327.1 -8.13 17.20
 90.00 12 29 14 5128.70 25.07 228.30 160.00 76.39 13 54 42 4528.7 22.96 220.27
 100.00 4 2 36 1678.67 -12.76 5.24 155.53 117.26 4 30 34 1078.7 -9.00 358.47
 100.00 13 54 54 4852.40 26.20 207.66 159.68 75.07 15 15 46 4252.4 23.89 199.62
 110.00 5 0 59 1495.82 -15.49 349.80 153.96 120.86 5 25 55 895.8 -11.29 343.22
 110.00 15 12 59 4608.02 29.20 188.08 158.66 71.38 16 29 47 4008.0 26.38 180.03

DIFFERENTIAL CORRECTIONS

TDE .1922 TRA-1.2803 TC3-2.4475 BAU .6448
 RDE -.1204 RRA .1407 RC3 .5060 FAU .12609
 FDE .6501 FRA-1.1767 FC3-5.6566 BSP .8529
 BDE .2268 BRA 1.2880 BC3 2.4993 FSP -1486

MID-COURSE EXECUTION ACCURACY

SGT 2746.5 SGR 506.7 SG3 455.8
 RRT -.9407 RRF -.9842 RTF .9334
 SGB 2792.8 R23 .3029 R13 -.9367
 SG1 2787.7 SG2 169.4 THA 170.12

ORBIT DETERMINATION ACCURACY

ST 569.3 SR 167.1 SS 323.4
 CRT -.7196 CRS .9845 CST -.8226
 LSA 648.0 MSA 191.3 SSA 10.5
 EL1 582.3 EL2 113.5 ALF 167.59

LAUNCH DATE DEC 14 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 359.378

RL 147.25 LAL -0.00 LOL 81.79 VL 28.000 GAL -7.37 AZL 88.63 HCA 170.94 SMA 130.29 ECC .18198 INC 1.3671 V1 30.256
 RP 108.59 LAP .22 LOP 252.73 VP 37.758 GAP 4.27 ATP 91.35 TAL 217.45 TAP 28.39 RCA 106.58 APO 154.00 V2 34.897
 RC 112.133 GL 8.91 GP 19.50 ZAL 142.92 ZAP 130.58 ETS 15.05 ZAE 138.49 ETE 159.90 ZAC 32.62 ETC 181.39 CLP-133.64

PLANETOCENTRIC CONIC

C3 18.341 VHL 4.283 OLA -11.84 RAL 298.22 RAD 6567.7 VEL 11.820 PTH 2.09 VMP 4.007 OPA -3.35 RAP 298.51 ECC 1.3019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 15 1817.51 -8.38 17.72 156.97 117.15 3 46 33 1217.5 -4.67 11.00
 90.00 12 11 38 5214.41 26.31 234.27 161.92 79.14 13 38 32 4614.4 24.55 226.04
 100.00 4 31 35 1574.48 -9.44 359.29 156.41 118.50 4 57 49 974.5 -5.56 352.65
 100.00 13 38 59 4932.67 27.48 213.27 161.65 77.76 15 1 12 4332.7 25.52 205.02
 110.00 5 26 13 1403.35 -12.20 344.66 154.76 122.18 5 49 37 803.3 -7.86 338.25
 110.00 15 0 50 4676.57 30.59 192.93 160.75 73.95 16 18 46 4076.6 28.09 184.63

DIFFERENTIAL CORRECTIONS

TDE .0833 TRA-1.2504 TC3-2.7007 BAU .6812
 RDE -.0918 RRA .1393 RC3 .6504 FAU .11490
 FDE .3892 FRA -.9470 FC3-5.4233 BSP .8988
 BDE .1239 BRA 1.2581 BC3 2.7779 FSP -1361

MID-COURSE EXECUTION ACCURACY

SGT 2878.3 SGR 601.4 SG3 419.1
 RRT -.9404 RRF -.9936 RTF .9323
 SGB 2940.5 R23 .3309 R13 -.9369
 SG1 2933.6 SG2 200.7 THA 168.83

ORBIT DETERMINATION ACCURACY

ST 529.3 SR 136.5 SS 230.0
 CRT -.6109 CRS .9757 CST -.7588
 LSA 567.3 MSA 172.4 SSA 10.3
 EL1 536.1 EL2 106.7 ALF 170.68

LAUNCH DATE DEC 14 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 365.414

RL 147.25 LAL -0.00 LOL 81.79 VL 27.953 GAL -7.17 AZL 89.73 HCA 174.12 SMA 129.96 ECC .18173 INC .2575 V1 30.256
 RP 108.63 LAP .03 LOP 255.91 VP 37.713 GAP 4.54 ATP 90.27 TAL 216.23 TAP 30.34 RCA 106.34 APO 153.57 V2 34.886
 RC 114.493 GL 1.78 GP 28.06 ZAL 142.70 ZAP 129.74 ETS 23.56 ZAE 133.86 ETE 152.48 ZAC 34.51 ETC 193.73 CLP-136.42

PLANETOCENTRIC CONIC

C3 17.371 VHL 4.168 OLA -18.61 RAL 300.81 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 4.362 OPA 5.16 RAP 297.53 ECC 1.2859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 34 1560.19 -.17 3.26 159.81 118.32 4 55 34 960.2 3.61 356.63
 90.00 11 19 0 5446.43 28.20 250.95 166.38 87.28 12 49 46 4846.4 27.52 242.35
 100.00 5 39 39 1334.01 -1.41 345.95 159.13 119.86 6 1 53 734.0 2.57 339.43
 100.00 12 51 35 5147.85 29.61 228.89 166.28 85.69 14 17 23 4547.8 28.70 220.20
 110.00 6 23 25 1196.86 -4.51 333.62 157.20 123.92 6 43 22 596.9 -.02 327.41
 110.00 14 24 18 4857.75 33.23 206.38 165.81 81.49 15 45 16 4257.8 31.70 197.49

DIFFERENTIAL CORRECTIONS

TDE -.1853 TRA-1.1572 TC3-2.9881 BAU .7246
 RDE -.0193 RRA .1295 RC3 .9040 FAU .09791
 FDE -.0845 FRA -.6477 FC3-4.8795 BSP .9572
 BDE .1863 BRA 1.1845 BC3 3.1200 FSP -1178

MID-COURSE EXECUTION ACCURACY

SGT 3013.1 SGR 777.1 SG3 360.8
 RRT -.9329 RRF -.9983 RTF .9319
 SGB 3111.7 R23 .3381 R13 -.9393
 SG1 3099.8 SG2 272.0 THA 166.37

ORBIT DETERMINATION ACCURACY

ST 569.3 SR 66.2 SS 120.5
 CRT -.6185 CRS .7696 CST -.9541
 LSA 582.3 MSA 59.2 SSA 20.1
 EL1 570.8 EL2 51.9 ALF 175.85

LAUNCH DATE DEC 14 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 371.424

RL 147.25 LAL -0.00 LOL 81.79 VL 27.904 GAL -6.97 AZL 93.39 MCA 177.28 SMA 129.61 ECC .18153 INC 3.3899 V1 30.256
 RP 108.66 LAP -.16 LOP 259.08 VP 37.668 GAP 4.80 A7P 86.61 TAL 214.96 TAP 32.24 RCA 106.09 APO 153.14 V2 34.875
 RC 116.852 GL -21.63 GP 49.29 ZAL 136.19 ZAP 120.47 ETS 39.42 ZAE 120.48 ETE 140.57 ZAC 44.07 ETC 217.51 CLP-141.03

PLANETOCENTRIC CONIC

C3 19.782 VHL 4.448 DLA -40.97 RAL 309.17 RAD 6567.8 VEL 11.881 PTH 2.11 VHP 5.846 DPA 25.95 RAP 292.88 ECC 1.3256
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.06 5 1 31 1531.30 27.76 17.40 181.85 121.44 5 27 2 931.3 31.70 9.80
 120.94 11 53 43 5536.28 27.77 257.35 181.85 121.42 13 25 59 4936.3 31.71 249.74
 59.06 5 1 31 1531.30 27.76 17.40 181.85 121.44 5 27 2 931.3 31.70 9.80
 120.94 11 53 43 5536.28 27.77 257.35 181.85 121.42 13 25 59 4936.3 31.71 249.74
 59.06 5 1 31 1531.30 27.76 17.40 181.85 121.44 5 27 2 931.3 31.70 9.80
 120.94 11 53 43 5536.28 27.77 257.35 181.85 121.42 13 25 59 4936.3 31.71 249.74

DIFFERENTIAL CORRECTIONS

TOE-1.1999 TRA -.7613 TC3-2.6858 BAU .7684
 RDE .3526 RRA .0205 RC3 1.1083 FAU .05734
 FDE -.8908 FRA -.1293 FC3-2.5092 BSP 10058
 BOE 1.2506 BRA .7616 BC3 2.9055 FSP -706

MID-COURSE EXECUTION ACCURACY

SGT 3128.0 SGR 1086.0 SG3 217.7
 RRT -.9134 RRF -.9975 RTF .9381
 SGB 3311.2 R23 .3065 R13 -.9516
 SG1 3284.3 SG2 421.1 TMA 162.10

ORBIT DETERMINATION ACCURACY

ST 1595.7 SR 455.3 SS 581.6
 CRT -.9749 CRS .9994 CST -.9821
 LSA 1753.1 MSA 135.9 SSA 1.5
 EL1 1656.5 EL2 97.6 ALF 164.40

LAUNCH DATE DEC 14 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 377.547

RL 147.25 LAL -0.00 LOL 81.79 VL 27.855 GAL -6.78 AZL 92.84 MCA 180.58 SMA 129.27 ECC .18169 INC37.1379 V1 30.256
 RP 108.69 LAP -.35 LOP 262.25 VP 37.622 GAP 5.09 A7P 127.16 TAL 213.74 TAP 34.32 RCA 105.78 APO 152.76 V2 34.865
 RC 119.206 GL 62.29 GP -76.84 ZAL 99.50 ZAP 98.49 ETS 210.56 ZAE 78.21 ETE 130.20 ZAC 96.06 ETC 30.03 CLP 130.41

PLANETOCENTRIC CONIC

C3 356.173 VHL 18.873 DLA 46.27 RAL 306.04 RAD 6572.0 VEL 21.851 PTH 3.23 VHP 21.398 DPA -67.94 RAP 131.20 ECC 6.8617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.74 16 18 1 4849.21 -3.39 224.92 212.81 43.83 17 38 50 4249.2 -9.13 219.74
 128.26 0 12 18 3410.91 -3.37 113.00 212.80 43.83 1 9 9 2810.9 -9.12 107.82
 51.74 16 18 1 4849.21 -3.39 224.92 212.81 43.83 17 38 50 4249.2 -9.13 219.74
 128.26 0 12 18 3410.91 -3.37 113.00 212.80 43.83 1 9 9 2810.9 -9.12 107.82
 51.74 16 18 1 4849.21 -3.39 224.92 212.81 43.83 17 38 50 4249.2 -9.13 219.74
 128.26 0 12 18 3410.91 -3.37 113.00 212.80 43.83 1 9 9 2810.9 -9.12 107.82

DIFFERENTIAL CORRECTIONS

TOE 3.5003 TRA .5591 TC3 .0020 BAU .9437
 RD-10.3868 RRA 2.6823 RC3 -.1982 FAU-.01307
 FDE 2.1900 FRA -.3612 FC3 .0318 BSP 8564
 BOE10.9606 BRA 2.7400 BC3 .1982 FSP 119

MID-COURSE EXECUTION ACCURACY

SGT 1090.7 SGR 3448.3 SG3 60.0
 RRT -.8155 RRF -.9917 RTF .8832
 SGB 3616.7 R23 -.0833 R13 -.9965
 SG1 3564.7 SG2 610.6 TMA 104.91

ORBIT DETERMINATION ACCURACY

ST 1065.2 SR 3173.1 SS 1232.4
 CRT -.9837 CRS .9992 CST -.9901
 LSA 3562.1 MSA 183.8 SSA .4
 EL1 3342.2 EL2 182.0 ALF 108.33

LAUNCH DATE DEC 14 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 383.449

RL 147.25 LAL -0.00 LOL 81.79 VL 27.806 GAL -6.54 AZL 81.61 MCA 183.67 SMA 128.92 ECC .18145 INC 8.3854 V1 30.256
 RP 108.72 LAP -.53 LOP 265.42 VP 37.576 GAP 5.32 A7P 98.37 TAL 212.35 TAP 36.02 RCA 105.53 APO 152.32 V2 34.856
 RC 121.557 GL 43.91 GP -38.60 ZAL 121.01 ZAP 129.15 ETS 316.30 ZAE 121.19 ETE 210.84 ZAC 62.72 ETC 126.88 CLP-143.88

PLANETOCENTRIC CONIC

C3 33.751 VHL 5.810 DLA 23.88 RAL 297.70 RAD 6568.3 VEL 12.455 PTH 2.25 VHP 5.245 DPA -59.64 RAP 317.42 ECC 1.5555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 58 33 3203.91 -26.04 111.02 177.40 78.46 22 51 57 2603.9 -21.37 102.60
 90.00 17 21 14 4127.04 -2.32 167.91 168.63 61.77 18 30 1 3527.0 -8.07 161.24
 100.00 23 39 22 2878.87 -28.29 87.59 177.89 79.92 24 27 21 2278.9 -29.39 78.96
 100.00 18 23 6 3927.30 -.31 152.12 167.52 60.11 19 28 34 3327.3 -4.28 145.59
 110.00 1 30 10 2544.51 -33.62 63.10 178.80 83.42 2 12 34 1944.5 -34.16 53.90
 110.00 18 52 43 3834.43 4.26 142.24 164.67 56.05 19 56 38 3234.4 -.23 136.02

DIFFERENTIAL CORRECTIONS

TOE 2.0665 TRA-1.9829 TC3-1.6122 BAU .7403
 RDE .3862 RRA -.0185 RC3 -.3041 FAU .06548
 FDE 2.0363 FRA -.9004 FC3-1.6796 BSP 10886
 BOE 2.1023 BRA 1.9829 BC3 1.6406 FSP -867

MID-COURSE EXECUTION ACCURACY

SGT 3498.0 SGR 519.9 SG3 256.1
 RRT .8142 RRF .9564 RTF .9477
 SGB 3536.4 R23 .3085 R13 .9509
 SG1 3523.7 SG2 299.6 TMA 6.95

ORBIT DETERMINATION ACCURACY

ST 2137.4 SR 381.1 SS 919.9
 CRT .9585 CRS -.9918 CST -.9871
 LSA 2352.0 MSA 167.5 SSA .8
 EL1 2168.4 EL2 107.1 ALF 9.72

LAUNCH DATE DEC 14 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 389.413

RL 147.25 LAL -0.00 LOL 81.79 VL 27.756 GAL -6.31 AZL 83.95 MCA 186.84 SMA 128.57 ECC .18146 INC 6.0542 V1 30.256
 RP 108.75 LAP -.72 LOP 268.59 VP 37.530 GAP 5.56 A7P 96.01 TAL 210.98 TAP 37.81 RCA 105.24 APO 151.91 V2 34.846
 RC 123.903 GL 35.83 GP -22.40 ZAL 125.36 ZAP 138.93 ETS 329.26 ZAE 129.45 ETE 201.46 ZAC 52.64 ETC 137.01 CLP-144.62

PLANETOCENTRIC CONIC

C3 24.706 VHL 4.970 DLA 16.08 RAL 299.93 RAD 6568.0 VEL 12.086 PTH 2.16 VHP 4.608 DPA -43.54 RAP 312.93 ECC 1.4066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 38 47 2790.37 -28.15 81.12 170.91 93.16 24 25 18 2190.4 -27.42 72.53
 90.00 15 58 47 4384.78 5.97 182.32 163.46 62.27 17 11 52 3784.8 2.21 175.66
 100.00 1 13 1 2499.15 -29.58 59.59 170.80 94.49 1 54 40 1899.2 -28.65 50.91
 100.00 17 11 10 4151.23 7.23 164.47 162.77 60.92 18 20 22 3551.2 3.30 157.89
 110.00 2 41 8 2223.45 -33.33 38.17 170.31 98.09 3 18 12 1623.4 -31.85 29.25
 110.00 17 59 33 3999.70 10.46 151.02 160.81 57.27 19 6 12 3399.7 6.07 144.67

DIFFERENTIAL CORRECTIONS

TOE 1.4743 TRA-1.7570 TC3-2.3459 BAU .7782
 RDE .1876 RRA .0137 RC3 -.2197 FAU .08389
 FDE 1.8402 FRA -.8446 FC3-2.9395 BSP 11070
 BOE 1.4862 BRA 1.7570 BC3 2.3562 FSP -1081

MID-COURSE EXECUTION ACCURACY

SGT 3573.4 SGR 307.8 SG3 324.0
 RRT .7659 RRF .9359 RTF .9368
 SGB 3586.7 R23 .3363 R13 .9381
 SG1 3581.2 SG2 197.5 TMA 3.79

ORBIT DETERMINATION ACCURACY

ST 1814.7 SR 216.4 SS 853.9
 CRT .9291 CRS -.9864 CST -.9772
 LSA 2009.2 MSA 179.5 SSA 2.2
 EL1 1825.8 EL2 79.5 ALF 6.33

LAUNCH DATE DEC 14 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 395.366

RL 147.25 LAL -.00 LOL 81.79 VL 27.705 GAL -6.07 AZL 84.80 MCA 190.00 SMA 128.23 ECC .18156 INC 5.1962 V1 30.256
 RP 108.78 LAP -.90 LOP 271.76 VP 37.485 GAP 5.79 AZP 95.12 TAL 209.58 TAP 39.58 RCA 104.94 APO 151.51 V2 34.838
 RC 126.245 GL 32.33 GP -15.35 ZAL 126.21 ZAP 143.22 ETS 336.13 ZAE 131.59 ETE 195.53 ZAC 49.56 ETC 143.01 CLP-146.16

PLANETOCENTRIC CONIC

C3 21.776 VML 4.667 DLA 12.92 RAL 301.81 RAD 6567.9 VEL 11.965 PTH 2.13 VHP 4.537 DPA -36.32 RAP 312.59 ECC 1.3584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 18 41 2648.02 -27.19 70.82 169.03 98.23 1 2 49 2048.0 -25.77 62.44
 90.00 15 37 49 4465.60 8.50 186.91 163.12 62.89 16 52 14 3865.6 4.80 180.18
 100.00 1 46 44 2364.09 -28.46 49.72 168.81 99.56 2 26 8 1764.1 -26.84 41.29
 100.00 16 52 27 4224.76 9.64 168.60 162.51 61.57 18 2 52 3624.8 5.77 161.95
 110.00 3 10 3 2103.36 -31.81 29.14 168.03 103.23 3 45 6 1503.4 -29.66 20.58
 110.00 17 45 37 4058.24 12.59 154.21 160.76 57.96 18 53 16 3458.2 8.27 147.78

DIFFERENTIAL CORRECTIONS

TDE 1.2810 TRA-1.6625 TC3-2.7686 BAU .8067
 RDE .1233 RRA .0313 RC3 -.1154 FAU .08636
 FDE 1.6343 FRA -7.7212 FC3-3.4334 BSP 11422
 BOE 1.2869 BRA 1.6628 BC3 2.7710 FSP -1119

MID-COURSE EXECUTION ACCURACY

SGT 3679.2 SGR 189.9 SG3 336.0
 RRT .6207 RRF .8300 RTF .9324
 SGB 3684.1 R23 .3194 R13 .9328
 SG1 3681.1 SG2 148.9 THA 1.84

ORBIT DETERMINATION ACCURACY

ST 1695.5 SR 151.9 SS 794.8
 CRT .8967 CRS -.9771 CST -.9702
 LSA 1869.5 MSA 185.5 SSA 3.6
 EL1 1700.9 EL2 67.0 ALF 4.60

LAUNCH DATE DEC 14 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 401.305

RL 147.25 LAL -.00 LOL 81.79 VL 27.654 GAL -5.83 AZL 85.25 MCA 193.17 SMA 127.88 ECC .18174 INC 4.7488 V1 30.256
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.440 GAP 6.03 AZP 94.62 TAL 208.15 TAP 41.32 RCA 104.64 APO 151.12 V2 34.830
 RC 128.581 GL 30.46 GP -11.52 ZAL 125.89 ZAP 145.96 ETS 340.22 ZAE 132.15 ETE 191.88 ZAC 48.79 ETC 147.00 CLP-147.75

PLANETOCENTRIC CONIC

C3 20.185 VML 4.493 DLA 11.44 RAL 303.56 RAD 6567.8 VEL 11.898 PTH 2.11 VHP 4.575 DPA -32.24 RAP 313.27 ECC 1.3322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 12 2579.74 -26.43 65.97 168.79 100.55 1 21 12 1979.7 -24.71 57.73
 90.00 15 32 16 4497.44 9.49 188.73 163.69 63.19 16 47 14 3897.4 5.81 181.98
 100.00 2 5 19 2298.77 -27.63 45.04 168.52 101.89 2 43 38 1698.8 -25.71 36.76
 100.00 16 47 50 4253.70 10.57 170.23 163.12 61.88 17 58 44 3653.7 6.73 163.55
 110.00 3 26 38 2044.31 -30.81 24.83 167.63 105.60 4 0 43 1444.3 -28.36 16.48
 110.00 17 43 1 4080.87 13.41 155.46 161.45 58.26 18 51 2 3480.9 9.11 148.99

DIFFERENTIAL CORRECTIONS

TDE 1.1952 TRA-1.6027 TC3-3.0921 BAU .8345
 RDE .1001 RRA .0375 RC3 -.0370 FAU .08484
 FDE 1.4851 FRA -1.6031 FC3-3.6388 BSP 11868
 BOE 1.1994 BRA 1.6031 BC3 3.0923 FSP -1114

MID-COURSE EXECUTION ACCURACY

SGT 3793.6 SGR 140.6 SG3 333.4
 RRT .3468 RRF .5750 RTF .9295
 SGB 3796.2 R23 .2689 R13 .9296
 SG1 3793.9 SG2 131.9 THA .74

ORBIT DETERMINATION ACCURACY

ST 1649.8 SR 128.5 SS 755.4
 CRT .8750 CRS -.9709 CST -.9650
 LSA 1809.1 MSA 189.8 SSA 5.0
 EL1 1653.6 EL2 62.0 ALF 3.90

LAUNCH DATE DEC 14 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 407.230

RL 147.25 LAL -.00 LOL 81.79 VL 27.603 GAL -5.58 AZL 85.53 MCA 196.34 SMA 127.53 ECC .18201 INC 4.4724 V1 30.256
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.395 GAP 6.26 AZP 94.29 TAL 206.69 TAP 43.03 RCA 104.32 APO 150.74 V2 34.822
 RC 130.911 GL 29.36 GP -9.15 ZAL 125.01 ZAP 148.09 ETS 342.90 ZAE 132.18 ETE 189.48 ZAC 49.01 ETC 149.87 CLP-149.30

PLANETOCENTRIC CONIC

C3 19.095 VML 4.370 DLA 10.76 RAL 305.29 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 4.648 DPA -29.55 RAP 314.38 ECC 1.3143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 46 2543.73 -25.96 63.44 169.26 101.73 1 33 10 1943.7 -24.08 55.28
 90.00 15 33 30 4507.13 9.78 189.29 164.59 63.29 16 48 37 3907.1 6.12 182.52
 100.00 2 17 29 2264.06 -27.12 42.59 168.97 103.09 2 55 13 1664.1 -25.04 34.40
 100.00 16 49 28 4262.04 10.84 170.71 164.04 61.97 18 0 30 3662.0 7.01 164.02
 110.00 3 37 55 2012.38 -30.20 22.54 168.03 106.83 4 11 27 1412.4 -27.60 14.31
 110.00 17 45 32 4086.47 13.61 155.77 162.41 58.34 18 53 38 3486.5 9.32 149.29

DIFFERENTIAL CORRECTIONS

TDE 1.1586 TRA-1.5496 TC3-3.3669 BAU .8596
 RDE .0924 RRA .0381 RC3 .0226 FAU .08194
 FDE 1.3774 FRA -1.4924 FC3-3.7151 BSP 12255
 BOE 1.1623 BRA 1.5501 BC3 3.3670 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 3904.3 SGR 132.9 SG3 326.0
 RRT .0399 RRF .2418 RTF .9271
 SGB 3906.6 R23 .2049 R13 .9271
 SG1 3904.3 SG2 132.8 THA .08

ORBIT DETERMINATION ACCURACY

ST 1643.3 SR 122.1 SS 730.6
 CRT .8697 CRS -.9711 CST -.9614
 LSA 1792.2 MSA 192.6 SSA 6.4
 EL1 1646.7 EL2 60.1 ALF 3.70

LAUNCH DATE DEC 14 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 413.142

RL 147.25 LAL -.00 LOL 81.79 VL 27.551 GAL -5.31 AZL 85.72 MCA 199.51 SMA 127.18 ECC .18237 INC 4.2839 V1 30.256
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.351 GAP 6.48 AZP 94.04 TAL 205.20 TAP 44.71 RCA 103.99 APO 150.38 V2 34.816
 RC 133.236 GL 28.66 GP -7.54 ZAL 123.80 ZAP 149.91 ETS 344.77 ZAE 132.03 ETE 187.80 ZAC 49.77 ETC 152.08 CLP-150.78

PLANETOCENTRIC CONIC

C3 18.254 VML 4.272 DLA 10.51 RAL 307.04 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 4.736 DPA -27.57 RAP 315.76 ECC 1.3004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 45 2925.17 -25.69 62.15 170.13 102.33 1 41 50 1925.2 -23.74 54.02
 90.00 15 38 31 4504.51 9.70 189.14 165.69 63.27 16 53 36 3904.5 6.04 182.38
 100.00 2 26 19 2245.95 -26.83 41.32 169.84 103.70 3 3 45 1645.9 -24.68 33.18
 100.00 16 54 38 4258.97 10.74 170.54 165.14 61.94 18 5 37 3659.0 6.90 163.85
 110.00 3 46 26 1995.23 -29.86 21.32 168.88 107.47 4 19 42 1395.2 -27.18 13.15
 110.00 17 51 0 4082.45 13.46 155.54 163.54 58.28 18 59 2 3482.4 9.17 149.07

DIFFERENTIAL CORRECTIONS

TDE 1.1487 TRA-1.4964 TC3-3.6169 BAU .8828
 RDE .0918 RRA .0356 RC3 .0699 FAU .07852
 FDE 1.2980 FRA -1.3885 FC3-3.7240 BSP 12599
 BOE 1.1524 BRA 1.4968 BC3 3.6176 FSP -1056

MID-COURSE EXECUTION ACCURACY

SGT 4011.3 SGR 145.2 SG3 316.7
 RRT -.1615 RRF -.0030 RTF .9248
 SGB 4014.0 R23 -.1485 R13 -.9247
 SG1 4011.4 SG2 143.3 THA 179.66

ORBIT DETERMINATION ACCURACY

ST 1660.3 SR 124.0 SS 716.2
 CRT .8772 CRS -.9760 CST -.9592
 LSA 1801.9 MSA 194.7 SSA 7.8
 EL1 1663.9 EL2 59.4 ALF 3.75

LAUNCH DATE DEC 14 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 419.038

RL 147.25 LAL -1.00 LOL 81.79 VL 27.500 GAL -5.04 AZL 85.85 MCA 202.67 SMA 126.84 ECC .18283 INC 4.1465 V1 30.256
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.307 GAP 6.70 AZP 93.83 TAL 203.70 TAP 46.37 RCA 103.65 APO 150.03 V2 34.809
 RC 135.553 GL 28.21 GP -6.39 ZAL 122.36 ZAP 151.54 ETS 346.16 ZAE 131.79 ETE 186.96 ZAC 50.85 ETC 153.86 CLP-152.20

PLANETOCENTRIC CONIC

C3 17.561 VML 4.191 DLA 10.55 RAL 308.84 RAD 6567.7 VEL 11.787 PTH 2.08 VMP 4.832 DPA -26.01 RAP 317.29 ECC 1.2890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 37 2517.44 -25.58 61.61 171.28 102.58 1 48 34 1917.4 -23.59 53.50
 90.00 15 46 1 4494.22 9.39 188.55 166.94 63.16 17 0 56 3894.2 5.71 181.80
 100.00 2 33 13 2238.15 -26.70 40.77 170.99 103.96 3 10 31 1638.1 -24.52 32.65
 100.00 17 2 7 4248.74 10.41 169.96 166.39 61.82 18 12 55 3648.7 6.57 163.28
 110.00 3 53 23 1987.28 -29.69 20.76 170.02 107.77 4 26 30 1387.3 -26.98 12.62
 110.00 17 58 26 4072.38 13.10 154.99 164.81 58.14 19 6 18 3472.4 8.80 148.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1297 TRA-1.4644 TC3-3.9083 BAU .9179 SGT 4155.0 SGR 162.5 SG3 311.4 ST 1664.0 SR 129.4 SS 687.2
 RDE .0942 RRA .0303 RC3 .1071 FAU .07690 RRT -.2682 RRF -.1604 RTF .9268 CRT .8865 CRS -.9803 CST -.9578
 FDE 1.1977 FRA -.3329 FC3-3.7908 BSP 13514 SGB 4158.2 R23 -.0919 R13 -.9268 LSA 1794.8 MSA 191.4 SSA 9.3
 BDE 1.1337 BRA 1.4648 BC3 3.9098 FSP -1103 SG1 4155.2 SG2 156.6 TMA 179.40 EL1 1668.0 EL2 59.7 ALF 3.95

LAUNCH DATE DEC 14 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 424.927

RL 147.25 LAL -1.00 LOL 81.79 VL 27.448 GAL -4.76 AZL 85.96 MCA 205.84 SMA 126.50 ECC .18338 INC 4.0411 V1 30.256
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.264 GAP 6.92 AZP 93.64 TAL 202.16 TAP 48.00 RCA 103.30 APO 149.69 V2 34.804
 RC 137.863 GL 27.91 GP -5.52 ZAL 120.72 ZAP 153.03 ETS 347.22 ZAE 131.55 ETE 185.62 ZAC 52.15 ETC 155.35 CLP-153.56

PLANETOCENTRIC CONIC

C3 16.965 VML 4.119 DLA 10.79 RAL 310.72 RAD 6567.7 VEL 11.762 PTH 2.08 VMP 4.932 DPA -24.69 RAP 318.95 ECC 1.2792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 8 2517.38 -25.58 61.60 172.66 102.58 1 54 5 1917.4 -23.59 53.50
 90.00 15 55 28 4478.32 8.90 187.64 168.32 63.01 17 10 6 3878.3 5.21 180.90
 100.00 2 38 52 2237.64 -26.70 40.74 172.37 103.97 3 16 9 1637.6 -24.51 32.62
 100.00 17 11 24 4233.29 9.91 169.08 167.78 61.66 18 21 58 3633.3 6.05 162.42
 110.00 3 59 20 1985.81 -29.66 20.65 171.41 107.82 4 32 26 1385.8 -26.94 12.53
 110.00 18 7 25 4057.88 12.58 154.19 166.20 57.95 19 15 3 3457.9 8.26 147.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1794 TRA-1.3707 TC3-4.0633 BAU .9222 SGT 4202.8 SGR 184.8 SG3 295.7 ST 1743.8 SR 138.9 SS 711.7
 RDE .0995 RRA .0252 RC3 .1421 FAU .07084 RRT -.3014 RRF -.2016 RTF .9189 CRT .9105 CRS -.9891 CST -.9574
 FDE 1.1975 FRA -.1878 FC3-3.6150 BSP 13052 SGB 4206.9 R23 -.0796 R13 -.9188 LSA 1878.1 MSA 197.9 SSA 10.1
 BDE 1.1836 BRA 1.3710 BC3 4.0658 FSP -.956 SG1 4203.2 SG2 176.2 TMA 179.24 EL1 1748.3 EL2 57.3 ALF 4.15

LAUNCH DATE DEC 14 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 430.799

RL 147.25 LAL -1.00 LOL 81.79 VL 27.397 GAL -4.47 AZL 86.04 MCA 209.00 SMA 126.16 ECC .18404 INC 3.9574 V1 30.256
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.222 GAP 7.14 AZP 93.46 TAL 200.61 TAP 49.61 RCA 102.94 APO 149.38 V2 34.799
 RC 140.164 GL 27.70 GP -4.85 ZAL 118.94 ZAP 154.43 ETS 348.05 ZAE 131.30 ETE 184.88 ZAC 53.61 ETC 156.62 CLP-154.88

PLANETOCENTRIC CONIC

C3 16.448 VML 4.056 DLA 11.17 RAL 312.66 RAD 6567.7 VEL 11.740 PTH 2.07 VMP 5.036 DPA -23.53 RAP 320.70 ECC 1.2707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 46 2522.91 -25.66 61.99 174.23 102.40 1 58 48 1922.9 -23.69 53.87
 90.00 16 6 22 4458.59 8.29 186.51 169.85 62.83 17 20 40 3858.6 4.58 179.79
 100.00 2 43 43 2242.45 -26.77 41.07 173.94 103.81 3 21 6 1642.5 -24.61 32.94
 100.00 17 22 5 4214.28 9.30 168.00 169.31 61.46 18 32 19 3614.3 5.42 161.37
 110.00 4 4 41 1989.09 -29.73 20.89 172.99 107.70 4 37 50 1389.1 -27.02 12.74
 110.00 18 17 36 4040.40 11.95 153.23 167.72 57.73 19 24 57 3440.4 7.60 146.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2018 TRA-1.3065 TC3-4.2914 BAU .9444 SGT 4305.7 SGR 204.5 SG3 286.8 ST 1792.2 SR 148.9 SS 708.9
 RDE .1052 RRA .0182 RC3 .1700 FAU .06767 RRT -.3149 RRF -.2371 RTF .9175 CRT .9273 CRS -.9934 CST -.9577
 FDE 1.1511 FRA -.1085 FC3-3.5617 BSP 13434 SGB 4310.6 R23 -.0552 R13 -.9175 LSA 1923.0 MSA 196.8 SSA 11.3
 BDE 1.2064 BRA 1.3067 BC3 4.2948 FSP -.933 SG1 4306.2 SG2 194.0 TMA 179.14 EL1 1797.5 EL2 55.6 ALF 4.41

LAUNCH DATE DEC 14 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 436.658

RL 147.25 LAL -1.00 LOL 81.79 VL 27.346 GAL -4.18 AZL 86.11 MCA 212.17 SMA 125.82 ECC .18482 INC 3.8889 V1 30.256
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.180 GAP 7.36 AZP 93.29 TAL 199.03 TAP 51.20 RCA 102.57 APO 149.08 V2 34.795
 RC 142.456 GL 27.55 GP -4.32 ZAL 117.02 ZAP 155.74 ETS 348.72 ZAE 131.07 ETE 184.28 ZAC 55.20 ETC 157.72 CLP-156.11

PLANETOCENTRIC CONIC

C3 15.996 VML 4.000 DLA 11.67 RAL 314.69 RAD 6567.6 VEL 11.721 PTH 2.07 VMP 5.144 DPA -22.47 RAP 322.52 ECC 1.2633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 46 2533.01 -25.81 62.69 175.98 102.08 2 2 59 1933.0 -23.88 54.55
 90.00 16 18 34 4435.78 7.57 185.21 171.51 62.63 17 32 29 3835.8 3.85 178.51
 100.00 2 48 1 2251.60 -26.92 41.71 175.70 103.51 3 25 33 1651.6 -24.80 33.56
 100.00 17 33 59 4192.42 8.58 166.77 170.97 61.26 18 43 52 3592.4 4.68 160.16
 110.00 4 9 38 1996.23 -29.88 21.39 174.77 107.43 4 42 54 1396.2 -27.20 13.22
 110.00 18 28 52 4020.56 11.22 152.15 169.38 57.50 19 35 53 3420.6 6.86 145.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2295 TRA-1.2377 TC3-4.5169 BAU .9669 SGT 4408.5 SGR 223.3 SG3 278.2 ST 1846.3 SR 159.8 SS 707.6
 RDE .1114 RRA .0106 RC3 .1942 FAU .06468 RRT -.3129 RRF -.2531 RTF .9166 CRT .9429 CRS -.9959 CST -.9586
 FDE 1.1098 FRA -.0363 FC3-3.5006 BSP 13844 SGB 4414.1 R23 -.0363 R13 -.9166 LSA 1974.1 MSA 194.5 SSA 12.5
 BDE 1.2345 BRA 1.2377 BC3 4.5211 FSP -.914 SG1 4409.0 SG2 212.0 TMA 179.09 EL1 1852.5 EL2 53.0 ALF 4.67

LAUNCH DATE DEC 14 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 442.505

RL 147.25 LAL -1.00 LOL 81.79 VL 27.295 GAL -3.87 AZL 86.17 MCA 215.33 SMA 125.49 ECC .18571 INC 3.8314 V1 30.256
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.139 GAP 7.57 AZP 93.13 TAL 197.44 TAP 52.77 RCA 102.18 APO 148.79 V2 34.791
 RC 144.737 GL 27.43 GP -3.88 ZAL 114.96 ZAP 156.99 ETS 349.27 ZAE 130.86 ETE 183.80 ZAC 56.89 ETC 158.70 CLP-157.31

PLANETOCENTRIC CONIC

C3 15.602 VML 3.950 OLA 12.25 RAL 316.82 RAD 6567.6 VEL 11.704 PTH 2.06 VHP 5.254 OPA -21.48 RAP 324.41 ECC 1.2568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 20 2546.99 -26.00 63.67 177.91 101.63 2 6 47 1947.0 -24.14 55.50
 90.00 16 31 56 4410.48 6.78 183.78 173.33 62.44 17 45 27 3810.5 3.04 177.10
 100.00 2 51 57 2264.44 -27.12 42.61 177.64 103.07 3 29 41 1664.4 -25.05 34.42
 100.00 17 47 1 4168.27 7.79 165.42 172.78 61.05 18 56 29 3568.3 3.87 158.83
 110.00 4 14 21 2006.62 -30.09 22.13 176.73 107.05 4 47 47 1406.6 -27.46 13.92
 110.00 18 41 7 3998.85 10.43 150.97 171.18 57.26 19 47 45 3398.9 6.04 144.63

DIFFERENTIAL CORRECTIONS

TOE 1.2663 TRA-1.1586 TC3-4.7277 BAU .9871
 ROE .1180 RRA .0024 RC3 .2151 FAU .06160
 FDE 1.0778 FRA .0362 FC3-3.4181 BSP 14172
 BDE 1.2717 BRA 1.1586 BC3 4.7326 FSP -887

MID-COURSE EXECUTION ACCURACY

SGT 4503.3 SGR 241.2 SG3 269.6
 RRT -.3005 RRF -.2538 RTF .9154
 SGB 4509.8 R23 -.0231 R13 -.9154
 SG1 4503.9 SG2 230.0 THA 179.08

ORBIT DETERMINATION ACCURACY

ST 1911.2 SR 171.2 SS 710.7
 CRT .9572 CRS -.9967 CST -.9600
 LSA 2037.1 MSA 192.0 S5A 13.6
 EL1 1918.2 EL2 49.4 ALF 4.90

LAUNCH DATE DEC 14 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 448.339

RL 147.25 LAL -1.00 LOL 81.79 VL 27.244 GAL -3.55 AZL 86.22 MCA 218.49 SMA 125.16 ECC .18673 INC 3.7823 V1 30.256
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.099 GAP 7.79 AZP 92.96 TAL 195.82 TAP 54.31 RCA 101.79 APO 148.53 V2 34.788
 RC 147.008 GL 27.33 GP -3.53 ZAL 112.78 ZAP 158.18 ETS 349.73 ZAE 130.67 ETE 183.40 ZAC 58.67 ETC 159.57 CLP-158.46

PLANETOCENTRIC CONIC

C3 15.262 VML 3.907 OLA 12.91 RAL 319.04 RAD 6567.6 VEL 11.690 PTH 2.06 VHP 5.367 OPA -20.53 RAP 326.34 ECC 1.2512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 35 2564.41 -26.23 64.89 180.02 101.06 2 10 20 1964.4 -24.44 56.68
 90.00 16 46 25 4383.16 5.92 182.23 175.30 62.26 17 59 28 3783.2 2.16 175.57
 100.00 2 55 37 2280.51 -27.37 43.75 179.76 102.52 3 33 37 1680.5 -25.37 35.52
 100.00 18 1 4 4142.28 6.93 163.97 174.74 60.85 19 10 7 3542.3 2.99 157.40
 110.00 4 18 55 2019.86 -30.35 23.07 178.87 106.54 4 52 35 1419.9 -27.78 14.81
 110.00 18 54 16 3975.70 9.57 149.72 173.14 57.03 20 0 31 3375.7 5.16 143.41

DIFFERENTIAL CORRECTIONS

TOE 1.3084 TRA-1.0718 TC3-4.9290 BAU 1.0068
 ROE .1247 RRA -.0061 RC3 .2329 FAU .05864
 FDE 1.0497 FRA .1049 FC3-3.3260 BSP 14491
 BDE 1.3144 BRA 1.0718 BC3 4.9345 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 4595.1 SGR 258.1 SG3 261.3
 RRT -.2826 RRF -.2470 RTF .9143
 SGB 4602.3 R23 -.0127 R13 -.9143
 SG1 4595.7 SG2 247.6 THA 179.09

ORBIT DETERMINATION ACCURACY

ST 1982.4 SR 183.0 SS 715.1
 CRT .9694 CRS -.9957 CST -.9618
 LSA 2106.9 MSA 188.6 S5A 14.6
 EL1 1990.3 EL2 44.8 ALF 5.12

LAUNCH DATE DEC 14 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 454.160

RL 147.25 LAL -1.00 LOL 81.79 VL 27.193 GAL -3.22 AZL 86.26 MCA 221.65 SMA 124.84 ECC .18788 INC 3.7395 V1 30.256
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.060 GAP 8.01 AZP 92.80 TAL 194.19 TAP 55.84 RCA 101.38 APO 148.29 V2 34.786
 RC 149.266 GL 27.23 GP -3.23 ZAL 110.48 ZAP 159.32 ETS 350.10 ZAE 130.51 ETE 183.06 ZAC 60.51 ETC 160.35 CLP-159.57

PLANETOCENTRIC CONIC

C3 14.977 VML 3.870 OLA 13.63 RAL 321.36 RAD 6567.6 VEL 11.677 PTH 2.05 VHP 5.483 OPA -19.60 RAP 328.31 ECC 1.2465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 36 2584.96 -26.49 66.34 182.31 100.38 2 13 41 1985.0 -24.79 58.08
 90.00 17 1 56 4354.16 4.99 180.60 177.43 62.09 18 14 30 3754.2 1.22 173.95
 100.00 2 59 6 2299.54 -27.64 45.09 182.06 101.86 3 37 26 1699.5 -25.72 36.82
 100.00 18 16 7 4114.81 6.02 162.44 176.87 60.66 19 24 42 3514.8 2.06 155.89
 110.00 4 23 25 2035.70 -30.65 24.20 181.20 105.93 4 57 21 1435.7 -28.16 15.89
 110.00 19 8 17 3951.42 8.67 148.42 175.25 56.80 20 14 8 3351.4 4.24 142.13

DIFFERENTIAL CORRECTIONS

TOE 1.3589 TRA -.9736 TC3-5.1101 BAU 1.0244
 ROE .1315 RRA -.0148 RC3 .2477 FAU .05561
 FDE 1.0283 FRA .1739 FC3-3.2146 BSP 14715
 BDE 1.3652 BRA .9738 BC3 5.1161 FSP -829

MID-COURSE EXECUTION ACCURACY

SGT 4678.8 SGR 274.1 SG3 253.1
 RRT -.2599 RRF -.2325 RTF .9130
 SGB 4686.9 R23 -.0058 R13 -.9130
 SG1 4679.4 SG2 264.7 THA 179.12

ORBIT DETERMINATION ACCURACY

ST 2053.8 SR 194.9 SS 723.0
 CRT .9795 CRS -.9932 CST -.9639
 LSA 2187.6 MSA 184.9 S5A 15.6
 EL1 2072.6 EL2 39.0 ALF 5.29

LAUNCH DATE DEC 14 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 459.968

RL 147.25 LAL -1.00 LOL 81.79 VL 27.143 GAL -2.88 AZL 86.30 MCA 224.81 SMA 124.51 ECC .18918 INC 3.7018 V1 30.256
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.022 GAP 8.23 AZP 92.63 TAL 192.54 TAP 57.36 RCA 100.96 APO 148.07 V2 34.785
 RC 151.511 GL 27.11 GP -2.97 ZAL 108.07 ZAP 160.42 ETS 350.42 ZAE 130.38 ETE 182.78 ZAC 62.42 ETC 161.07 CLP-160.64

PLANETOCENTRIC CONIC

C3 14.748 VML 3.840 OLA 14.40 RAL 323.79 RAD 6567.6 VEL 11.668 PTH 2.05 VHP 5.602 OPA -18.68 RAP 330.31 ECC 1.2427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 27 2608.41 -26.77 68.00 184.78 99.59 2 16 55 2008.4 -25.17 59.70
 90.00 17 18 27 4323.82 4.03 178.90 179.74 61.95 18 30 30 3723.8 .24 172.26
 100.00 3 2 29 2321.28 -27.93 46.64 184.55 101.10 3 41 10 1721.3 -26.12 38.31
 100.00 18 32 6 4086.18 5.06 160.86 179.17 60.50 19 40 12 3486.2 1.09 154.31
 110.00 4 27 56 2053.89 -30.98 25.52 183.73 105.22 5 2 10 1453.9 -28.58 17.14
 110.00 19 23 8 3926.34 7.73 147.09 177.53 56.60 20 28 34 3326.3 3.29 140.82

DIFFERENTIAL CORRECTIONS

TOE 1.4104 TRA -.8715 TC3-5.2850 BAU 1.0433
 ROE .1384 RRA -.0235 RC3 .2595 FAU .05289
 FDE 1.0058 FRA .2350 FC3-3.1049 BSP 15035
 BDE 1.4171 BRA .8718 BC3 5.2914 FSP -807

MID-COURSE EXECUTION ACCURACY

SGT 4765.2 SGR 289.3 SG3 245.4
 RRT -.2364 RRF -.2172 RTF .9125
 SGB 4773.9 R23 .0008 R13 -.9125
 SG1 4765.7 SG2 281.0 THA 179.18

ORBIT DETERMINATION ACCURACY

ST 2145.8 SR 206.9 SS 729.0
 CRT .9871 CRS -.9893 CST -.9661
 LSA 2268.5 MSA 180.3 S5A 16.6
 EL1 2155.5 EL2 33.0 ALF 5.44

LAUNCH DATE DEC 14 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 21 1966

DISTANCE 465.762

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 27.092 GAL -2.53 AZL 86.33 HCA 227.97 SMA 124.20 ECC .19063 INC 3.6680 V1 30.256
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.984 GAP 8.45 AZP 92.46 TAL 190.88 TAP 58.85 RCA 100.52 APO 147.87 V2 34.784
 RC 153.743 GL 26.97 GP -2.76 ZAL 105.55 ZAP 161.48 ETS 350.67 ZAE 130.26 ETE 182.54 ZAC 64.38 ETC 161.71 CLP-161.67

PLANETOCENTRIC CONIC
 C3 14.577 VHL 3.818 DLA 15.21 RAL 326.32 RAD 6567.6 VEL 11.660 PTH 2.05 VHP 5.724 DPA -17.77 RAP 332.34 ECC 1.2399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 11 2634.61 -27.05 69.87 187.44 98.69 2 20 6 2034.6 -25.57 61.51
 90.00 17 35 55 4292.43 3.02 177.14 182.23 61.83 18 47 27 3692.4 -1.77 170.51
 100.00 3 5 48 2345.57 -28.24 48.38 187.22 100.23 3 44 54 1745.6 -26.54 40.00
 100.00 18 48 58 4056.69 4.07 159.23 181.65 60.36 19 56 35 3456.7 .09 152.70
 110.00 4 32 31 2074.29 -31.34 27.00 186.44 104.41 5 7 5 1474.3 -29.04 18.55
 110.00 19 38 45 3900.74 6.77 145.73 179.98 56.41 20 43 46 3300.7 2.31 139.48

DIFFERENTIAL CORRECTIONS
 TOE 1.4665 TRA -.7600 TC3-5.4406 BAU 1.0615 SGT 4847.6 SGR 303.6 SG3 238.0 ST 2232.6 SR 218.9 SS 735.3
 RDE .1455 RRA -.0323 RC3 .2682 FAU .05025 RRT -.2113 RRF -.1995 RTF .9121 CRT .9924 CRS -.9843 CST -.9684
 FDE .9855 FRA .2942 FC3-2.9847 BSP 15338 SGB 4857.1 R23 .0062 R13 -.9121 LSA 2354.2 MSA 175.4 SSA 17.5
 BOE 1.4737 BRA .7607 BC3 5.4472 FSP -786 SG1 4848.0 SG2 296.7 THA 179.24 EL1 2243.1 EL2 26.9 ALF 5.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 23 1966

DISTANCE 471.543

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 27.043 GAL -2.17 AZL 86.36 HCA 231.14 SMA 123.89 ECC .19224 INC 3.6375 V1 30.256
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.948 GAP 8.67 AZP 92.28 TAL 189.20 TAP 60.34 RCA 100.07 APO 147.70 V2 34.784
 RC 155.962 GL 26.79 GP -2.57 ZAL 102.92 ZAP 162.49 ETS 350.88 ZAE 130.17 ETE 182.34 ZAC 66.38 ETC 162.31 CLP-162.68

PLANETOCENTRIC CONIC
 C3 14.466 VHL 3.803 DLA 16.05 RAL 328.96 RAD 6567.6 VEL 11.656 PTH 2.05 VHP 5.850 DPA -16.86 RAP 334.40 ECC 1.2381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 51 2663.39 -27.33 71.93 190.29 97.70 2 23 15 2063.4 -25.99 63.52
 90.00 17 54 17 4260.27 1.98 175.34 184.91 61.75 19 5 17 3660.3 -1.81 168.72
 100.00 3 9 8 2372.26 -28.55 50.31 190.09 99.26 3 48 40 1772.3 -26.97 41.86
 100.00 19 6 42 4026.63 3.06 157.57 184.31 60.25 20 13 48 3426.6 -.93 151.05
 110.00 4 37 11 2096.73 -31.71 28.65 189.35 103.50 5 12 8 1496.7 -29.53 20.12
 110.00 19 55 7 3874.93 5.80 144.36 182.61 56.25 20 59 42 3274.9 1.32 138.14

DIFFERENTIAL CORRECTIONS
 TOE 1.5277 TRA -.6397 TC3-5.5724 BAU 1.0790 SGT 4926.4 SGR 317.0 SG3 230.9 ST 2324.4 SR 231.0 SS 742.1
 RDE .1528 RRA -.0409 RC3 .2738 FAU .04770 RRT -.1850 RRF -.1796 RTF .9121 CRT .9956 CRS -.9783 CST -.9707
 FDE .9675 FRA .3505 FC3-2.8548 BSP 15606 SGB 4936.6 R23 .0104 R13 -.9121 LSA 2444.9 MSA 170.3 SSA 18.4
 BOE 1.5353 BRA .6410 BC3 5.5791 FSP -763 SG1 4926.8 SG2 311.5 THA 179.32 EL1 2335.7 EL2 21.6 ALF 5.65

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 25 1966

DISTANCE 477.310

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 26.993 GAL -1.80 AZL 86.39 HCA 234.30 SMA 123.58 ECC .19402 INC 3.6095 V1 30.256
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.913 GAP 8.90 AZP 92.11 TAL 187.51 TAP 61.81 RCA 99.60 APO 147.55 V2 34.785
 RC 158.168 GL 26.57 GP -2.40 ZAL 100.20 ZAP 163.48 ETS 351.04 ZAE 130.10 ETE 182.16 ZAC 68.43 ETC 162.85 CLP-163.65

PLANETOCENTRIC CONIC
 C3 14.421 VHL 3.798 DLA 16.91 RAL 331.70 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 5.980 DPA -15.94 RAP 336.47 ECC 1.2373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 30 2694.62 -27.60 74.17 193.33 96.60 2 26 24 2094.6 -26.40 65.71
 90.00 18 13 32 4227.65 .93 173.52 187.78 61.70 19 23 59 3627.6 -2.86 166.89
 100.00 3 12 29 2401.19 -28.85 52.41 193.15 98.20 3 52 30 1801.2 -27.41 43.90
 100.00 19 25 13 3996.32 2.03 155.91 187.16 60.17 20 31 50 3396.3 -1.95 149.38
 110.00 4 42 1 2121.06 -32.08 30.45 192.47 102.50 5 17 22 1521.1 -30.03 21.84
 110.00 20 12 11 3849.20 4.82 143.01 185.43 56.12 21 16 20 3249.2 .34 136.79

DIFFERENTIAL CORRECTIONS
 TOE 1.5955 TRA -.5068 TC3-5.6682 BAU 1.0941 SGT 4996.7 SGR 329.6 SG3 223.8 ST 2422.6 SR 243.2 SS 750.6
 RDE .1604 RRA -.0493 RC3 .2762 FAU .04509 RRT -.1569 RRF -.1561 RTF .9116 CRT .9969 CRS -.9715 CST -.9731
 FDE .9534 FRA .4080 FC3-2.7068 BSP 15812 SGB 5007.6 R23 .0126 R13 -.9116 LSA 2542.4 MSA 165.7 SSA 19.1
 BOE 1.6036 BRA .5092 BC3 5.6749 FSP -738 SG1 4997.0 SG2 325.5 THA 179.40 EL1 2434.8 EL2 19.2 ALF 5.72

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 27 1966

DISTANCE 483.061

HELIOCENTRIC CONIC
 RL 147.25 LAL -.00 LOL 81.79 VL 26.944 GAL -1.41 AZL 86.42 HCA 237.46 SMA 123.27 ECC .19599 INC 3.5837 V1 30.256
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.878 GAP 9.14 AZP 91.93 TAL 185.81 TAP 63.27 RCA 99.11 APO 147.44 V2 34.787
 RC 160.359 GL 26.29 GP -2.26 ZAL 97.39 ZAP 164.44 ETS 351.16 ZAE 130.04 ETE 182.02 ZAC 70.52 ETC 163.35 CLP-164.60

PLANETOCENTRIC CONIC
 C3 14.446 VHL 3.801 DLA 17.78 RAL 334.55 RAD 6567.6 VEL 11.655 PTH 2.05 VHP 6.115 DPA -15.02 RAP 338.56 ECC 1.2377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 9 2728.14 -27.84 76.60 196.56 95.41 2 29 37 2128.1 -26.80 68.09
 90.00 18 33 34 4194.90 -.13 171.70 190.84 61.68 19 43 29 3594.9 -3.91 165.06
 100.00 3 15 55 2432.18 -29.13 54.67 196.40 97.04 3 56 27 1832.2 -27.85 46.10
 100.00 19 44 29 3966.09 1.01 154.25 190.21 60.12 20 50 35 3366.1 -2.98 147.72
 110.00 4 47 2 2147.11 -32.45 32.39 195.77 101.40 5 22 49 1547.1 -30.54 23.69
 110.00 20 29 51 3823.92 3.86 141.68 188.43 56.01 21 33 35 3223.9 -.63 135.48

DIFFERENTIAL CORRECTIONS
 TOE 1.6632 TRA -.3690 TC3-5.7465 BAU 1.1111 SGT 5070.4 SGR 341.4 SG3 217.2 ST 2516.7 SR 255.5 SS 755.9
 RDE .1685 RRA -.0574 RC3 .2754 FAU .04278 RRT -.1299 RRF -.1343 RTF .9122 CRT .9964 CRS -.9643 CST -.9752
 FDE .9372 FRA .4592 FC3-2.5636 BSP 16081 SGB 5081.9 R23 .0154 R13 -.9123 LSA 2635.2 MSA 160.9 SSA 19.8
 BOE 1.6717 BRA .3734 BC3 5.7531 FSP -718 SG1 5070.6 SG2 338.5 THA 179.50 EL1 2529.5 EL2 21.6 ALF 5.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 14 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 488.797

RL 147.25 LAL -.00 LOL 81.79 VL 26.896 GAL -1.01 AZL 86.44 HCA 240.62 SMA 122.98 ECC .19816 INC 3.5596 V1 30.256
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.845 GAP 9.38 AZP 91.75 TAL 184.10 TAP 64.72 RCA 98.61 APO 147.34 V2 34.789
 RC 162.536 GL 25.96 GP -2.13 ZAL 94.51 ZAP 165.37 ETS 351.23 ZAE 130.01 ETE 181.89 ZAC 72.63 ETC 163.81 CLP-165.92

PLANETOCENTRIC CONIC

C3 14.547 VHL 3.814 DLA 18.65 RAL 337.49 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 6.255 OPA -14.09 RAP 340.66 ECC 1.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 50 2763.77 -28.04 79.18 199.97 94.13 2 32 54 2163.8 -27.17 70.63
 90.00 18 54 20 4162.36 -1.18 169.88 194.09 61.71 20 3 42 3562.4 -4.95 163.23
 100.00 3 19 28 2465.05 -29.38 57.08 199.84 95.79 4 0 33 1865.1 -28.26 48.45
 100.00 20 4 23 3936.31 -.00 152.61 193.44 60.11 21 9 59 3336.3 -3.98 146.08
 110.00 4 52 16 2174.71 -32.80 34.47 199.28 100.22 5 28 31 1574.7 -31.04 25.68
 110.00 20 48 4 3799.42 2.93 140.40 191.61 55.93 21 51 23 3199.4 -1.56 134.20

DIFFERENTIAL CORRECTIONS

TDE 1.7339 TRA -.2207 TC3-5.7884 BAU 1.1270
 RDE .1770 RRA -.0650 RC3 .2715 FAU .04050
 FDE .9212 FRA .5090 FC3-2.4104 BSP 16373
 BOE 1.7430 BRA .2301 BC3 5.7947 FSP -703

MID-COURSE EXECUTION ACCURACY

SGT 5138.4 SGR 352.5 SG3 210.7
 RRT -.1024 RRF -.1115 RTF .9130
 SGB 5150.5 R23 .0176 R13 -.9130
 SG1 5138.5 SG2 350.6 TMA 179.60

ORBIT DETERMINATION ACCURACY

ST 2610.2 SR 267.8 SS 759.8
 CRT .9944 CRS -.9566 CST -.9773
 LSA 2727.1 MSA 156.7 SSA 20.4
 EL1 2623.8 EL2 28.1 ALF 5.83

LAUNCH DATE DEC 14 1965

FLIGHT TIME 168.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 494.516

RL 147.25 LAL -.00 LOL 81.79 VL 26.847 GAL -.60 AZL 86.46 HCA 243.78 SMA 122.68 ECC .20053 INC 3.5370 V1 30.256
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.813 GAP 9.63 AZP 91.56 TAL 182.38 TAP 66.16 RCA 98.08 APO 147.28 V2 34.792
 RC 164.699 GL 25.56 GP -2.02 ZAL 91.56 ZAP 166.28 ETS 351.25 ZAE 129.98 ETE 181.78 ZAC 74.78 ETC 164.24 CLP-166.43

PLANETOCENTRIC CONIC

C3 14.731 VHL 3.838 DLA 19.51 RAL 340.52 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 6.400 OPA -13.14 RAP 342.78 ECC 1.2424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 37 2801.32 -28.19 81.92 203.56 92.76 2 36 18 2201.3 -27.51 73.32
 90.00 19 15 43 4130.39 -2.21 168.10 197.53 61.76 20 24 33 3530.4 -5.97 161.43
 100.00 3 23 11 2499.60 -29.59 59.63 203.46 94.47 4 4 51 1899.6 -28.65 50.95
 100.00 20 24 50 3907.34 -.99 151.02 196.85 60.12 21 29 57 3307.3 -4.95 144.48
 110.00 4 57 47 2203.64 -33.13 36.66 202.97 98.96 5 34 30 1603.6 -31.54 27.80
 110.00 21 6 43 3776.07 2.04 139.18 194.97 55.87 22 9 40 3176.1 -2.46 132.98

DIFFERENTIAL CORRECTIONS

TDE 1.8086 TRA -.0621 TC3-5.7910 BAU 1.1417
 RDE .1863 RRA -.0720 RC3 .2644 FAU .03826
 FDE .9073 FRA .5579 FC3-2.2485 BSP 16574
 BOE 1.8182 BRA .0951 BC3 5.7970 FSP -680

MID-COURSE EXECUTION ACCURACY

SGT 5201.9 SGR 362.7 SG3 204.4
 RRT -.0743 RRF -.0868 RTF .9138
 SGB 5214.5 R23 .0186 R13 -.9138
 SG1 5202.0 SG2 361.7 TMA 179.70

ORBIT DETERMINATION ACCURACY

ST 2703.4 SR 280.3 SS 763.6
 CRT .9913 CRS -.9489 CST -.9792
 LSA 2818.9 MSA 153.2 SSA 20.8
 EL1 2717.6 EL2 36.8 ALF 5.87

LAUNCH DATE DEC 14 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 500.217

RL 147.25 LAL -.00 LOL 81.79 VL 26.800 GAL -.16 AZL 86.48 HCA 246.95 SMA 122.39 ECC .20313 INC 3.5155 V1 30.256
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.781 GAP 9.89 AZP 91.38 TAL 180.65 TAP 67.59 RCA 97.53 APO 147.25 V2 34.796
 RC 166.847 GL 25.10 GP -1.92 ZAL 88.55 ZAP 167.17 ETS 351.23 ZAE 129.98 ETE 181.70 ZAC 76.95 ETC 164.62 CLP-167.31

PLANETOCENTRIC CONIC

C3 15.006 VHL 3.874 DLA 20.35 RAL 343.62 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 6.551 OPA -12.19 RAP 344.90 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 31 2840.56 -28.29 84.79 207.32 91.33 2 39 51 2240.6 -27.80 76.15
 90.00 19 37 37 4099.40 -3.20 166.37 201.16 61.85 20 45 56 3499.4 -6.94 159.68
 100.00 3 27 6 2535.58 -29.75 62.29 207.26 93.08 4 9 21 1935.6 -29.00 55.56
 100.00 20 45 43 3879.61 -1.93 149.50 200.45 60.16 21 50 23 3279.6 -5.88 142.95
 110.00 5 3 35 2233.69 -33.42 38.96 206.85 97.63 5 40 49 1633.7 -32.01 30.01
 110.00 21 25 43 3754.27 1.20 138.04 198.50 55.84 22 28 17 3154.3 -3.29 131.84

DIFFERENTIAL CORRECTIONS

TDE 1.8848 TRA -.1097 TC3-5.7607 BAU 1.1568
 RDE .1963 RRA -.0784 RC3 .2543 FAU .03627
 FDE .8915 FRA .6072 FC3-2.0925 BSP 16760
 BOE 1.8950 BRA .1348 BC3 5.7663 FSP -662

MID-COURSE EXECUTION ACCURACY

SGT 5265.0 SGR 372.0 SG3 198.6
 RRT -.0466 RRF -.0643 RTF .9152
 SGB 5278.1 R23 .0214 R13 -.9152
 SG1 5265.0 SG2 371.6 TMA 179.81

ORBIT DETERMINATION ACCURACY

ST 2791.4 SR 292.8 SS 764.4
 CRT .9871 CRS -.9407 CST -.9808
 LSA 2905.0 MSA 150.9 SSA 21.0
 EL1 2806.3 EL2 46.6 ALF 5.91

LAUNCH DATE DEC 14 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 505.898

RL 147.25 LAL -.00 LOL 81.79 VL 26.752 GAL -.28 AZL 86.50 HCA 250.11 SMA 122.11 ECC .20598 INC 3.4951 V1 30.256
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.751 GAP 10.15 AZP 91.19 TAL 178.91 TAP 69.02 RCA 96.95 APO 147.26 V2 34.800
 RC 168.980 GL 24.57 GP -1.83 ZAL 85.51 ZAP 168.03 ETS 351.15 ZAE 129.98 ETE 181.62 ZAC 79.15 ETC 164.98 CLP-168.17

PLANETOCENTRIC CONIC

C3 15.380 VHL 3.922 DLA 21.16 RAL 346.80 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 6.710 OPA -11.23 RAP 347.04 ECC 1.2531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 35 2881.19 -28.32 87.76 211.23 89.84 2 43 36 2281.2 -28.04 79.10
 90.00 19 59 52 4069.84 -4.15 164.71 204.96 61.96 21 7 42 3469.8 -7.87 158.00
 100.00 3 31 15 2572.69 -29.85 65.04 211.21 91.63 4 14 8 1972.7 -29.31 56.28
 100.00 21 6 53 3853.57 -2.81 148.07 204.22 60.23 22 11 6 3253.6 -6.75 141.50
 110.00 5 9 44 2264.60 -33.68 41.33 210.90 96.24 5 47 28 1664.6 -32.45 32.32
 110.00 21 44 54 3734.42 .44 137.01 202.19 55.82 22 47 8 3134.4 -4.04 130.80

DIFFERENTIAL CORRECTIONS

TDE 1.9665 TRA -.2906 TC3-5.6720 BAU 1.1673
 RDE .2073 RRA -.0839 RC3 .2419 FAU .03386
 FDE .8824 FRA .6559 FC3-1.9057 BSP 16956
 BOE 1.9774 BRA .3024 BC3 5.6771 FSP -638

MID-COURSE EXECUTION ACCURACY

SGT 5315.4 SGR 380.8 SG3 192.3
 RRT -.0168 RRF -.0335 RTF .9149
 SGB 5329.0 R23 .0180 R13 -.9149
 SG1 5315.4 SG2 380.7 TMA 179.93

ORBIT DETERMINATION ACCURACY

ST 2879.4 SR 305.4 SS 768.8
 CRT .9823 CRS -.9331 CST -.9825
 LSA 2992.1 MSA 149.7 SSA 21.2
 EL1 2895.0 EL2 56.9 ALF 5.95

LAUNCH DATE DEC 14 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 511.557

RL 147.25 LAL -1.00 LOL 81.79 VL 26.706 GAL .75 AZL 86.52 MCA 253.27 SMA 121.83 ECC .20909 INC 3.4754 V1 30.256
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.722 GAP 10.43 AZP 91.00 TAL 177.17 TAP 70.44 RCA 96.35 APO 147.30 V2 34.809
 RC 171.096 GL 23.98 GP -1.75 ZAL 82.44 ZAP 168.88 ETS 351.01 ZAE 129.99 ETE 181.56 ZAC 81.37 ETC 165.31 CLP-169.02

PLANETOCENTRIC CONIC

C3 15.865 VHL 3.983 DLA 21.92 RAL 350.02 RAD 6567.6 VEL 11.715 PTH 2.06 VMP 6.875 DPA -10.25 RAP 349.18 ECC 1.2611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 52 2922.91 -28.27 90.81 215.28 88.31 2 47 35 2322.9 -28.21 82.15
 90.00 20 22 20 4042.15 -5.04 163.16 208.92 62.10 21 29 42 3442.1 -8.73 156.43
 100.00 3 35 43 2610.63 -29.89 67.86 215.30 90.15 4 19 13 2010.6 -29.55 59.07
 100.00 21 28 10 3829.65 -3.62 146.76 208.14 60.31 22 32 0 3229.7 -7.54 140.17
 110.00 5 16 14 2296.12 -33.88 43.77 215.10 94.82 5 54 30 1696.1 -32.85 34.69
 110.00 22 4 8 3716.93 -1.22 136.10 206.03 55.82 23 6 5 3116.9 -4.71 129.88

DIFFERENTIAL CORRECTIONS

TOE 2.0434 TRA .4793 TC3-5.5592 BAU 1.1801
 RDE .2192 RRA -.0886 RC3 .2270 FAU .03191
 FDE .8676 FRA .6983 FC3-1.7413 BSP 17164
 BOE 2.0551 BRA .4874 BC3 5.5638 FSP -622

MID-COURSE EXECUTION ACCURACY

SGT 5367.0 SGR 388.6 SG3 186.4
 RRT .0113 RRF -.0074 RTF .9169
 SGB 5381.0 R23 -.0179 R13 .9169
 SG1 5367.0 SG2 388.6 THA .05

ORBIT DETERMINATION ACCURACY

ST 2950.8 SR 318.0 S8 766.5
 CRT .9770 CRS -.9257 CST -.9840
 LSA 3061.6 MSA 148.6 SSA 21.1
 EL1 2967.1 EL2 67.4 ALF 6.01

LAUNCH DATE DEC 14 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 517.193

RL 147.25 LAL -1.00 LOL 81.79 VL 26.659 GAL 1.23 AZL 86.54 MCA 256.44 SMA 121.55 ECC .21249 INC 3.4564 V1 30.256
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.693 GAP 10.72 AZP 90.81 TAL 175.42 TAP 71.86 RCA 95.72 APO 147.38 V2 34.811
 RC 173.196 GL 23.32 GP -1.68 ZAL 79.37 ZAP 169.72 ETS 350.80 ZAE 130.02 ETE 181.51 ZAC 83.61 ETC 165.60 CLP-169.86

PLANETOCENTRIC CONIC

C3 16.472 VHL 4.059 DLA 22.63 RAL 353.29 RAD 6567.7 VEL 11.741 PTH 2.07 VMP 7.050 DPA -9.27 RAP 351.32 ECC 1.2711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 25 2965.36 -28.15 93.91 219.45 86.76 2 51 51 2365.4 -28.30 85.23
 90.00 20 44 49 4016.81 -5.84 161.73 213.03 62.24 21 51 46 3416.8 -9.51 154.97
 100.00 3 40 31 2649.06 -29.86 70.72 219.53 88.64 4 24 40 2049.1 -29.73 61.92
 100.00 21 49 24 3808.34 -4.33 145.58 212.20 60.39 22 52 53 3208.3 -8.24 138.97
 110.00 5 23 9 2327.98 -34.04 46.25 219.44 93.36 6 1 57 1728.0 -33.20 37.11
 110.00 22 23 16 3702.18 -1.79 135.33 209.99 55.82 23 24 58 3102.2 -5.27 129.11

DIFFERENTIAL CORRECTIONS

TOE 2.1218 TRA .6811 TC3-5.4077 BAU 1.1918
 RDE .2321 RRA -.0923 RC3 .2103 FAU .02999
 FDE .8535 FRA .7426 FC3-1.5762 BSP 17367
 BOE 2.1345 BRA .6873 BC3 5.4118 FSP -606

MID-COURSE EXECUTION ACCURACY

SGT 5415.4 SGR 395.6 SG3 180.8
 RRT .0398 RRF .0194 RTF .9185
 SGB 5429.8 R23 -.0174 R13 .9185
 SG1 5415.4 SG2 395.3 THA .17

ORBIT DETERMINATION ACCURACY

ST 3014.5 SR 330.5 S5 763.0
 CRT .9714 CRS -.9184 CST -.9852
 LSA 3123.5 MSA 149.1 SSA 20.8
 EL1 3031.6 EL2 78.1 ALF 6.08

LAUNCH DATE DEC 14 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 522.804

RL 147.25 LAL -1.00 LOL 81.79 VL 26.613 GAL 1.74 AZL 86.56 MCA 259.61 SMA 121.28 ECC .21619 INC 3.4379 V1 30.256
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.666 GAP 11.03 AZP 90.62 TAL 173.67 TAP 73.28 RCA 95.06 APO 147.50 V2 34.817
 RC 175.278 GL 22.61 GP -1.62 ZAL 76.31 ZAP 170.54 ETS 350.50 ZAE 130.05 ETE 181.46 ZAC 85.86 ETC 165.87 CLP-170.68

PLANETOCENTRIC CONIC

C3 17.216 VHL 4.149 DLA 23.28 RAL 356.57 RAD 6567.7 VEL 11.773 PTH 2.08 VMP 7.233 DPA -8.27 RAP 353.47 ECC 1.2833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 19 3008.16 -27.94 97.02 223.72 85.21 2 56 27 2408.2 -28.31 88.38
 90.00 21 7 8 3994.31 -6.55 160.46 217.26 62.39 22 13 42 3394.3 -10.20 153.68
 100.00 3 45 44 2687.62 -29.77 73.58 223.86 87.14 4 30 32 2087.6 -29.85 64.78
 100.00 22 10 24 3790.09 -4.95 144.57 216.38 60.48 23 13 34 3190.1 -8.84 137.95
 110.00 5 30 29 2359.92 -34.14 48.74 223.90 91.89 6 9 49 1759.9 -33.50 39.55
 110.00 22 42 9 3690.54 -1.23 134.72 214.07 55.84 23 43 39 3090.5 -5.71 128.49

DIFFERENTIAL CORRECTIONS

TOE 2.2029 TRA .8981 TC3-5.2107 BAU 1.2001
 RDE .2462 RRA -.0949 RC3 .1923 FAU .02799
 FDE .8411 FRA .7877 FC3-1.4074 BSP 17473
 BOE 2.2166 BRA .9031 BC3 5.2142 FSP -586

MID-COURSE EXECUTION ACCURACY

SGT 5456.5 SGR 401.8 SG3 175.3
 RRT .0692 RRF .0486 RTF .9199
 SGB 5471.3 R23 -.0155 R13 .9199
 SG1 5456.6 SG2 400.8 THA .29

ORBIT DETERMINATION ACCURACY

ST 3071.5 SR 342.7 S5 759.4
 CRT .9654 CRS -.9114 CST -.9864
 LSA 3178.6 MSA 150.6 SSA 20.4
 EL1 3089.2 EL2 88.8 ALF 6.15

LAUNCH DATE DEC 14 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 528.385

RL 147.25 LAL -1.00 LOL 81.79 VL 26.568 GAL 2.27 AZL 86.58 MCA 262.77 SMA 121.01 ECC .22023 INC 3.4198 V1 30.256
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.640 GAP 11.35 AZP 90.43 TAL 171.93 TAP 74.70 RCA 94.36 APO 147.66 V2 34.824
 RC 177.341 GL 21.84 GP -1.56 ZAL 73.27 ZAP 171.35 ETS 350.09 ZAE 130.08 ETE 181.43 ZAC 88.12 ETC 166.10 CLP-171.49

PLANETOCENTRIC CONIC

C3 18.113 VHL 4.256 DLA 23.87 RAL 359.86 RAD 6567.7 VEL 11.811 PTH 2.09 VMP 7.427 DPA -7.27 RAP 355.62 ECC 1.2981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 38 3050.85 -27.66 100.12 228.07 83.69 3 1 29 2450.8 -28.25 91.50
 90.00 21 29 2 3975.21 -7.15 159.38 221.59 62.53 22 35 17 3375.2 -10.78 152.57
 100.00 3 51 25 2725.90 -29.60 76.41 228.28 85.66 4 36 51 2125.9 -29.89 67.62
 100.00 22 30 56 3775.38 -5.44 143.76 220.65 60.56 23 33 52 3175.4 -9.32 137.12
 110.00 5 38 15 2391.68 -34.18 51.22 228.46 90.42 6 18 7 1791.7 -33.74 42.00
 110.00 23 0 36 3682.37 -1.55 134.30 218.23 55.85 24 1 58 3082.4 -6.02 128.06

DIFFERENTIAL CORRECTIONS

TOE 2.2788 TRA 1.1238 TC3-4.9925 BAU 1.2097
 RDE .2615 RRA -.0964 RC3 .1733 FAU .02619
 FDE .8265 FRA .8301 FC3-1.2320 BSP 17650
 BOE 2.2938 BRA 1.1279 BC3 4.9955 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 5496.1 SGR 407.2 SG3 169.9
 RRT .0976 RRF .0764 RTF .9219
 SGB 5511.2 R23 -.0142 R13 .9219
 SG1 5496.3 SG2 405.2 THA .42

ORBIT DETERMINATION ACCURACY

ST 3110.4 SR 354.6 S5 752.1
 CRT .9595 CRS -.9046 CST -.9875
 LSA 3216.0 MSA 152.8 SSA 19.9
 EL1 3129.0 EL2 99.3 ALF 6.25

LAUNCH DATE DEC 14 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 533.934

RL 147.25 LAL -.00 LOL 81.79 VL 26.523 GAL 2.82 AZL 86.60 HCA 265.94 SMA 120.75 ECC .22464 INC 3.4018 V1 30.256
RP 108.79 LAP -3.39 LOP 347.73 VP 36.615 GAP 11.69 AZP 90.24 TAL 170.18 TAP 76.12 RCA 93.62 APO 147.88 V2 34.832
RC 179.385 GL 21.03 GP -1.51 ZAL 70.27 ZAP 172.15 ETS 349.54 ZAE 130.12 ETE 181.40 ZAC 90.40 ETC 166.32 CLP-172.30

PLANETOCENTRIC CONIC

C3 19.181 VHL 4.380 DLA 24.38 RAL 3.13 RAD 6567.8 VEL 11.856 PTH 2.40 VHP 7.633 DPA -6.26 RAP 357.77 ECC 1.3157
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 2 15 28 3092.95 -27.31 103.15 232.49 82.21 3 7 0 2493.0 -28.11 94.57
90.00 21 30 18 3960.01 -7.63 158.51 225.99 62.65 22 56 18 3360.0 -11.24 151.69
100.00 3 57 38 2763.54 -29.38 79.19 232.77 84.21 4 43 41 2163.5 -29.87 70.42
100.00 22 50 49 3764.65 -5.80 143.16 224.99 60.62 23 53 34 3164.7 -9.67 136.51
110.00 5 46 28 2423.02 -34.17 53.66 233.10 88.97 6 26 51 1823.0 -33.93 44.43
110.00 23 18 28 3677.94 -1.72 134.06 222.46 55.85 24 19 46 3077.9 -6.18 127.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3532 TRA 1.3623 TC3-4.7467 BAU 1.2178 SGT 5531.1 SGR 411.7 SG3 164.7 ST 3136.5 SR 365.9 SS 743.0
RDE .2778 RRA -.0965 RC3 .1539 FAU .02447 RRT .1262 RRF .1044 RTF .9241 CRT .9534 CRS -.8980 CST -.9884
FDE .8115 FRA .8721 FC3-1.1044 BSP 17821 SGB 5546.4 R23 .0130 R13 .9241 LSA 3240.2 MSA 155.9 S5A 19.3
BDE 2.3696 BRA 1.3657 BC3 4.7492 FSP -555 SG1 5531.3 SG2 408.4 THA .54 EL1 3155.9 EL2 109.7 ALF 6.35

LAUNCH DATE DEC 14 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 539.446

RL 147.25 LAL -.00 LOL 81.79 VL 26.479 GAL 3.39 AZL 86.62 HCA 269.11 SMA 120.49 ECC .22945 INC 3.3841 V1 30.256
RP 108.77 LAP -3.38 LOP 350.90 VP 36.591 GAP 12.05 AZP 90.05 TAL 168.44 TAP 77.55 RCA 92.85 APO 148.14 V2 34.840
RC 181.409 GL 20.19 GP -1.46 ZAL 67.33 ZAP 172.94 ETS 348.81 ZAE 130.16 ETE 181.39 ZAC 92.69 ETC 166.50 CLP-173.10

PLANETOCENTRIC CONIC

C3 20.442 VHL 4.521 DLA 24.82 RAL 6.37 RAD 6567.8 VEL 11.909 PTH 2.12 VHP 7.852 DPA -5.25 RAP 359.93 ECC 1.3364
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 2 20 53 3133.99 -26.90 106.08 236.95 80.79 3 13 7 2534.0 -27.89 97.55
90.00 22 10 42 3949.25 -7.97 157.90 230.45 62.74 23 16 31 3349.2 -11.56 151.07
100.00 4 4 25 2800.17 -29.10 81.88 237.31 82.83 4 51 5 2200.2 -29.78 73.14
100.00 23 9 51 3758.30 -6.01 142.81 229.39 60.66 24 12 29 3158.3 -9.87 136.16
110.00 5 55 8 2453.76 -34.11 56.06 237.80 87.55 6 36 2 1853.8 -34.07 46.82
110.00 23 35 37 3677.47 -1.73 134.04 226.74 55.86 24 36 54 3077.5 -6.20 127.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4259 TRA 1.6146 TC3-4.4772 BAU 1.2242 SGT 5560.9 SGR 415.4 SG3 159.5 ST 3150.1 SR 376.4 SS 733.1
RDE .2953 RRA -.0952 RC3 .1347 FAU .02276 RRT .1549 RRF .1333 RTF .9264 CRT .9473 CRS -.8917 CST -.9893
FDE .7972 FRA .9142 FC3 -.9640 BSP 17967 SGB 5576.4 R23 -.0111 R13 .9264 LSA 3252.1 MSA 159.7 S5A 18.7
BDE 2.4438 BRA 1.6174 BC3 4.4792 FSP -540 SG1 5561.3 SG2 410.3 THA .67 EL1 3170.2 EL2 119.8 ALF 6.47

LAUNCH DATE DEC 14 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 544.917

RL 147.25 LAL -.00 LOL 81.79 VL 26.435 GAL 4.00 AZL 86.63 HCA 272.28 SMA 120.24 ECC .23470 INC 3.3663 V1 30.256
RP 108.74 LAP -3.36 LOP 354.08 VP 36.567 GAP 12.43 AZP 89.87 TAL 166.71 TAP 78.99 RCA 92.02 APO 148.46 V2 34.849
RC 183.413 GL 19.31 GP -1.41 ZAL 64.45 ZAP 173.73 ETS 347.83 ZAE 130.21 ETE 181.37 ZAC 94.98 ETC 166.65 CLP-173.89

PLANETOCENTRIC CONIC

C3 21.924 VHL 4.682 DLA 25.19 RAL 9.55 RAD 6567.9 VEL 11.971 PTH 2.13 VHP 8.084 DPA -4.23 RAP 2.08 ECC 1.3608
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 2 26 59 3173.46 -26.44 108.88 241.44 79.46 3 19 53 2573.5 -27.62 100.41
90.00 22 30 0 3943.41 -8.15 157.77 234.93 62.79 23 35 43 3343.4 -11.73 150.73
100.00 4 11 50 2835.45 -28.77 84.45 241.88 81.51 4 59 5 2235.5 -29.64 75.75
100.00 23 27 51 3756.65 -6.06 142.72 233.80 60.67 24 30 27 3156.7 -9.93 136.06
110.00 6 4 14 2483.75 -33.99 58.40 242.54 86.18 6 45 38 1883.8 -34.15 49.16
110.00 23 51 55 3681.12 -1.59 134.23 231.03 55.85 24 53 16 3081.1 -6.06 128.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5000 TRA 1.8857 TC3-4.1843 BAU 1.2269 SGT 5587.0 SGR 418.3 SG3 154.7 ST 3155.5 SR 386.0 SS 723.6
RDE .3139 RRA -.0923 RC3 .1161 FAU .02104 RRT .1844 RRF .1633 RTF .9285 CRT .9410 CRS -.8856 CST -.9901
FDE .7845 FRA .9587 FC3 -.8307 BSP 18022 SGB 5602.6 R23 -.0090 R13 .9285 LSA 3256.2 MSA 164.2 S5A 18.0
BDE 2.5196 BRA 1.8880 BC3 4.1860 FSP -522 SG1 5587.5 SG2 411.1 THA .80 EL1 3176.4 EL2 129.8 ALF 6.58

LAUNCH DATE DEC 14 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 550.340

RL 147.25 LAL -.00 LOL 81.79 VL 26.392 GAL 4.64 AZL 86.65 HCA 275.46 SMA 119.99 ECC .24044 INC 3.3485 V1 30.256
RP 108.71 LAP -3.33 LOP 357.26 VP 36.545 GAP 12.84 AZP 89.68 TAL 164.98 TAP 80.44 RCA 91.14 APO 148.84 V2 34.858
RC 185.395 GL 18.42 GP -1.37 ZAL 61.65 ZAP 174.51 ETS 346.50 ZAE 130.25 ETE 181.36 ZAC 97.28 ETC 166.78 CLP-174.68

PLANETOCENTRIC CONIC

C3 23.656 VHL 4.864 DLA 25.48 RAL 12.67 RAD 6568.0 VEL 12.043 PTH 2.15 VHP 8.333 DPA -3.21 RAP 4.24 ECC 1.3893
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 2 33 53 3210.87 -25.94 111.50 245.96 78.23 3 27 24 2610.9 -27.31 103.10
90.00 22 47 58 3942.98 -8.16 157.55 239.41 62.79 23 53 41 3343.0 -11.75 150.70
100.00 4 19 54 2869.10 -28.41 86.88 246.48 80.28 5 7 43 2269.1 -29.46 78.24
100.00 23 44 39 3759.99 -5.95 142.90 238.21 60.65 24 47 19 3160.0 -9.82 136.25
110.00 6 13 45 2512.87 -33.84 60.66 247.31 84.85 6 55 38 1912.9 -34.18 51.43
110.00 0 11 13 3688.97 -1.29 134.64 235.32 55.84 1 12 42 3089.0 -5.77 128.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5676 TRA 2.1676 TC3-3.8880 BAU 1.2300 SGT 5608.3 SGR 420.3 SG3 149.9 ST 3143.5 SR 394.4 SS 711.9
RDE .3335 RRA -.0879 RC3 .0983 FAU .01947 RRT .2130 RRF .1923 RTF .9311 CRT .9347 CRS -.8795 CST -.9909
FDE .7703 FRA 1.0014 FC3 -.7124 BSP 18156 SGB 5624.1 R23 -.0072 R13 .9311 LSA 3242.7 MSA 168.9 S5A 17.3
BDE 2.5891 BRA 2.1694 BC3 3.8893 FSP -508 SG1 5609.1 SG2 410.6 THA .92 EL1 3165.1 EL2 139.3 ALF 6.70

LAUNCH DATE DEC 14 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -.00 LOL 81.79 VL 26.349 GAL 5.31 AZL 86.67 HCA 278.63 SMA 119.75 ECC .24672 INC 3.3304 V1 30.256
 RP 108.68 LAP -3.29 LOP .44 VP 36.524 GAP 13.28 AZP 89.50 TAL 163.27 TAP 81.90 RCA 90.20 APO 149.29 V2 34.868
 RC 187.357 GL 17.51 GP -1.34 ZAL 58.93 ZAP 175.28 ETS 344.65 ZAE 130.29 ETE 181.36 ZAC 99.58 ETC 166.88 CLP-175.47

PLANETOCENTRIC CONIC

C3 25.674 VHL 5.067 OLA 25.70 RAL 15.70 RAD 6568.0 VEL 12.126 PTH 2.17 VHP 8.600 DPA -2.19 RAP 6.39 ECC 1.4225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 38 3245.81 -25.43 113.94 250.48 77.12 3 35 44 2645.8 -26.96 105.60
 90.00 23 4 26 3948.30 -8.00 157.85 243.86 62.75 24 10 14 3348.3 -11.59 151.01
 100.00 4 28 37 2900.91 -28.02 89.17 251.09 79.14 5 16 58 2300.9 -29.23 80.57
 100.00 0 4 4 3768.44 -5.67 143.37 242.60 60.60 1 6 52 3168.4 -9.55 136.73
 110.00 6 23 38 2541.08 -33.65 62.84 252.08 83.57 7 5 59 1941.1 -34.17 53.63
 110.00 0 25 33 3701.02 -.83 135.27 239.60 55.83 1 27 14 3101.0 -5.31 129.05

DIFFERENTIAL CORRECTIONS

TOE 2.6329 TRA 2.4660 TC3-3.5853 BAU 1.2309 SGT 5625.1 SGR 421.5 SG3 145.3 ST 3120.6 SR 401.5 SS 699.8
 RDE .3540 RRA -.0818 RC3 .0817 FAU .01795 RRT .2418 RRF .2215 RTF .9339 CRT .9282 CRS -.8735 CST -.9916
 FDE .7565 FRA 1.0450 FC3 -.6052 BSP 18279 SGB 5640.9 R23 -.0056 R13 .9339 LSA 3218.4 MSA 173.8 SSA 16.5
 BDE 2.6566 BRA 2.4674 BC3 3.5863 FSP -494 SG1 5626.0 SG2 408.9 TMA 1.04 EL1 3142.8 EL2 148.3 ALF 6.83

LAUNCH DATE DEC 14 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -.00 LOL 81.79 VL 26.307 GAL 6.02 AZL 86.69 HCA 281.81 SMA 119.51 ECC .25358 INC 3.3120 V1 30.256
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.503 GAP 13.75 AZP 89.32 TAL 161.57 TAP 83.38 RCA 89.20 APO 149.82 V2 34.878
 RC 189.297 GL 16.59 GP -1.30 ZAL 56.31 ZAP 176.05 ETS 341.97 ZAE 130.33 ETE 181.36 ZAC 101.88 ETC 166.95 CLP-176.27

PLANETOCENTRIC CONIC

C3 28.023 VHL 5.294 OLA 25.85 RAL 18.64 RAD 6568.1 VEL 12.223 PTH 2.20 VHP 8.887 DPA -1.18 RAP 8.55 ECC 1.4612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 18 3277.98 -24.93 116.16 255.00 76.11 3 44 56 2678.0 -26.59 107.88
 90.00 23 19 14 3959.59 -7.64 158.49 248.26 62.65 24 25 14 3359.6 -11.25 151.67
 100.00 4 38 0 2930.77 -27.62 91.30 255.69 78.08 5 26 50 2330.8 -28.98 82.76
 100.00 0 18 9 3782.04 -5.22 144.13 246.94 60.52 1 21 11 3182.0 -9.10 137.50
 110.00 6 33 49 2568.38 -33.42 64.94 256.85 82.35 7 16 37 1968.4 -34.11 55.76
 110.00 0 38 49 3717.19 -.21 136.11 243.83 55.82 1 40 47 3117.2 -4.70 129.90

DIFFERENTIAL CORRECTIONS

TOE 2.6969 TRA 2.7822 TC3-3.2805 BAU 1.2293 SGT 5637.4 SGR 421.8 SG3 140.8 ST 3088.5 SR 407.2 SS 688.0
 RDE .3754 RRA -.0739 RC3 .0666 FAU .01647 RRT .2706 RRF .2509 RTF .9368 CRT .9216 CRS -.8676 CST -.9923
 FDE .7436 FRA 1.0898 FC3 -.5088 BSP 18376 SGB 5653.1 R23 -.0041 R13 .9367 LSA 3185.2 MSA 178.8 SSA 15.8
 BDE 2.7229 BRA 2.7832 BC3 3.2812 FSP -480 SG1 5638.5 SG2 406.0 TMA 1.17 EL1 3111.3 EL2 156.9 ALF 6.94

LAUNCH DATE DEC 14 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -.00 LOL 81.79 VL 26.266 GAL 6.78 AZL 86.71 HCA 284.99 SMA 119.28 ECC .26111 INC 3.2932 V1 30.256
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.483 GAP 14.26 AZP 89.15 TAL 159.90 TAP 84.89 RCA 88.13 APO 150.42 V2 34.889
 RC 191.216 GL 15.68 GP -1.27 ZAL 53.79 ZAP 176.81 ETS 337.88 ZAE 130.35 ETE 181.36 ZAC 104.18 ETC 166.99 CLP-177.07

PLANETOCENTRIC CONIC

C3 30.754 VHL 5.546 OLA 25.93 RAL 21.48 RAD 6568.2 VEL 12.334 PTH 2.22 VHP 9.198 DPA -.17 RAP 10.70 ECC 1.5061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 50 3307.23 -24.43 118.16 259.52 75.23 3 54 58 2707.2 -26.23 109.95
 90.00 23 32 19 3976.89 -7.10 159.47 252.59 62.52 24 38 36 3376.9 -10.73 152.67
 100.00 4 47 58 2958.65 -27.21 93.27 260.28 77.12 5 37 17 2358.7 -28.71 84.79
 100.00 0 30 49 3800.70 -4.59 145.16 251.22 60.43 1 34 9 3200.7 -8.49 138.55
 110.00 6 44 16 2594.79 -33.16 66.93 261.60 81.18 7 27 30 1994.8 -34.02 57.82
 110.00 0 51 0 3737.33 .56 137.16 248.02 55.82 1 53 18 3137.3 -3.93 130.95

DIFFERENTIAL CORRECTIONS

TOE 2.7631 TRA 3.1217 TC3-2.9735 BAU 1.2227 SGT 5646.9 SGR 421.4 SG3 136.6 ST 3052.4 SR 411.3 SS 677.7
 RDE .3976 RRA -.0640 RC3 .0532 FAU .01497 RRT .3001 RRF .2811 RTF .9397 CRT .9148 CRS -.8619 CST -.9930
 FDE .7329 FRA 1.1374 FC3 -.4214 BSP 18378 SGB 5662.6 R23 -.0024 R13 .9397 LSA 3148.2 MSA 183.7 SSA 15.2
 BDE 2.7915 BRA 3.1223 BC3 2.9740 FSP -464 SG1 5648.3 SG2 401.9 TMA 1.29 EL1 3075.5 EL2 164.8 ALF 7.05

LAUNCH DATE DEC 14 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -.00 LOL 81.79 VL 26.225 GAL 7.58 AZL 86.73 HCA 288.17 SMA 119.05 ECC .26938 INC 3.2739 V1 30.256
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.465 GAP 14.81 AZP 88.98 TAL 158.25 TAP 86.42 RCA 86.98 APO 151.12 V2 34.900
 RC 193.113 GL 14.77 GP -1.24 ZAL 51.38 ZAP 177.54 ETS 331.08 ZAE 130.37 ETE 181.36 ZAC 106.47 ETC 167.00 CLP-177.88

PLANETOCENTRIC CONIC

C3 33.931 VHL 5.825 OLA 25.95 RAL 24.20 RAD 6568.3 VEL 12.462 PTH 2.25 VHP 9.533 DPA .84 RAP 12.85 ECC 1.5584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 14 3333.58 -23.97 119.95 264.02 74.45 4 5 47 2733.6 -25.87 111.79
 90.00 23 43 39 4000.04 -6.37 160.78 256.84 62.35 24 50 19 3400.0 -10.03 154.01
 100.00 4 58 28 2984.63 -26.80 95.09 264.84 76.24 5 48 13 2384.6 -28.43 86.67
 100.00 0 42 2 3824.23 -3.80 146.46 255.43 60.33 1 45 46 3224.2 -7.72 139.86
 110.00 6 54 53 2620.37 -32.88 68.90 266.31 80.06 7 38 34 2020.4 -33.90 59.81
 110.00 1 2 6 3761.25 1.47 138.41 252.15 55.84 2 4 47 3161.3 -3.02 132.20

DIFFERENTIAL CORRECTIONS

TOE 2.8243 TRA 3.4774 TC3-2.6788 BAU 1.2153 SGT 5650.5 SGR 420.1 SG3 132.4 ST 3004.7 SR 413.8 SS 666.8
 RDE .4203 RRA -.0522 RC3 .0414 FAU .01359 RRT .3289 RRF .3105 RTF .9430 CRT .9079 CRS -.8561 CST -.9937
 FDE .7217 FRA 1.1853 FC3 -.3468 BSP 18471 SGB 5666.1 R23 -.0013 R13 .9430 LSA 3099.8 MSA 188.3 SSA 14.5
 BDE 2.8554 BRA 3.4778 BC3 2.6791 FSP -451 SG1 5652.2 SG2 396.6 TMA 1.41 EL1 3028.2 EL2 172.1 ALF 7.15

LAUNCH DATE DEC 14 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 576.441

RL 147.25 LAL -.00 LOL 81.79 VL 26.185 GAL 8.44 AZL 86.75 HCA 291.35 SMA 118.82 ECC .27847 INC 3.2537 V1 30.256
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.447 GAP 15.41 AZP 88.81 TAL 156.63 TAP 87.99 RCA 85.73 APO 151.91 V2 34.912
 RC 194.989 GL 13.87 GP -1.22 ZAL 49.08 ZAP 178.22 ETS 318.50 ZAE 130.38 ETE 181.37 ZAC 108.75 ETC 166.98 CLP-178.70

PLANETOCENTRIC CONIC

C3 37.630 VHL 6.134 DLA 25.92 RAL 26.80 RAD 6568.5 VEL 12.609 PTH 2.29 VHP 9.899 DPA 1.84 RAP 15.00 ECC 1.6193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 21 3357.20 -23.52 121.54 268.50 73.77 4 17 18 2757.2 -25.53 113.44
 90.00 23 53 17 4028.69 -5.46 162.40 260.99 62.17 25 0 26 3428.7 -9.15 155.66
 100.00 5 9 24 3008.84 -26.40 96.78 269.37 75.44 5 59 33 2408.8 -28.14 88.41
 100.00 0 51 51 3852.29 -2.85 148.00 259.55 60.23 1 56 3 3252.3 -6.79 141.43
 110.00 7 5 38 2645.20 -32.57 70.77 270.98 79.00 7 49 43 2045.2 -33.74 61.73
 110.00 1 12 7 3788.70 2.52 139.84 256.21 55.90 2 15 15 3188.7 -1.97 135.64

DIFFERENTIAL CORRECTIONS

TOE 2.8856 TRA 3.8561 TC3-2.3930 BAU 1.2039
 ROE .4435 RRA -.0383 RC3 .0312 FAU .01225
 FDE .7117 FRA 1.2356 FC3 -.2818 BSP 18535
 BDE 2.9194 BRA 3.8563 BC3 2.3932 FSP -438

MID-COURSE EXECUTION ACCURACY

SGT 5649.7 SGR 417.9 SG3 128.4
 RRT .3577 RRF .3399 RTF .9464
 SGB 5665.2 R23 -.0003 R13 .9464
 SGI 5651.7 SG2 390.1 THA 1.52

ORBIT DETERMINATION ACCURACY

ST 2952.1 SR 414.5 SS 657.0
 CRT .9008 CRS -.8505 CST -.9943
 LSA 3046.5 MSA 192.5 SSA 13.9
 EL1 2975.7 EL2 178.6 ALF 7.23

LAUNCH DATE DEC 14 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 581.367

RL 147.25 LAL -.00 LOL 81.79 VL 26.146 GAL 9.36 AZL 86.77 HCA 294.54 SMA 118.60 ECC .28850 INC 3.2327 V1 30.256
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.430 GAP 16.06 AZP 88.66 TAL 155.05 TAP 89.59 RCA 84.39 APO 152.82 V2 34.924
 RC 196.842 GL 12.98 GP -1.20 ZAL 46.89 ZAP 178.71 ETS 293.15 ZAE 130.37 ETE 181.38 ZAC 111.02 ETC 166.93 CLP-179.53

PLANETOCENTRIC CONIC

C3 41.945 VHL 6.477 DLA 25.83 RAL 29.28 RAD 6568.6 VEL 12.779 PTH 2.32 VHP 10.297 DPA 2.82 RAP 17.13 ECC 1.6903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 4 3378.40 -23.11 122.96 272.94 73.17 4 29 22 2778.4 -25.20 114.91
 90.00 0 5 15 4062.34 -4.39 164.29 265.04 62.00 1 12 57 3462.3 -8.10 157.58
 100.00 5 20 41 3031.45 -26.00 98.34 273.86 74.71 6 11 12 2431.4 -27.85 90.03
 100.00 1 0 19 3884.52 -1.76 149.77 263.58 60.15 2 5 4 3284.5 -5.72 143.22
 110.00 7 16 25 2669.35 -32.24 72.58 275.59 77.97 8 0 54 2069.3 -33.56 63.59
 110.00 1 21 5 3819.39 3.69 141.45 260.19 55.99 2 24 44 3219.4 -.80 135.24

DIFFERENTIAL CORRECTIONS

TOE 2.9481 TRA 4.2603 TC3-2.1184 BAU 1.1880
 ROE .4672 RRA -.0222 RC3 .0228 FAU .01093
 FDE .7032 FRA 1.2888 FC3 -.2256 BSP 18558
 BDE 2.9849 BRA 4.2603 BC3 2.1185 FSP -426

MID-COURSE EXECUTION ACCURACY

SGT 5645.0 SGR 415.0 SG3 124.5
 RRT .3867 RRF .3694 RTF .9500
 SGB 5660.2 R23 .0004 R13 .9500
 SGI 5647.2 SG2 382.6 THA 1.64

ORBIT DETERMINATION ACCURACY

ST 2896.1 SR 413.4 SS 648.6
 CRT .8935 CRS -.8449 CST -.9949
 LSA 2990.0 MSA 196.1 SSA 13.3
 EL1 2919.6 EL2 184.1 ALF 7.30

LAUNCH DATE DEC 14 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 586.151

RL 147.25 LAL -.00 LOL 81.79 VL 26.107 GAL 10.34 AZL 86.79 HCA 297.73 SMA 118.39 ECC .29958 INC 3.2106 V1 30.256
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.414 GAP 16.78 AZP 88.51 TAL 153.52 TAP 91.25 RCA 82.92 APO 153.86 V2 34.936
 RC 198.673 GL 12.11 GP -1.17 ZAL 44.82 ZAP 178.76 ETS 253.78 ZAE 130.34 ETE 181.39 ZAC 113.27 ETC 166.84 CLP 179.62

PLANETOCENTRIC CONIC

C3 46.994 VHL 6.855 DLA 25.70 RAL 31.62 RAD 6568.8 VEL 12.975 PTH 2.37 VHP 10.734 DPA 3.79 RAP 19.26 ECC 1.7734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 45 12 3397.53 -22.73 124.23 277.33 72.64 4 41 49 2797.5 -24.89 116.22
 90.00 0 11 49 4100.38 -3.17 166.42 268.97 61.85 1 20 9 3500.4 -6.91 159.74
 100.00 5 32 10 3052.67 -25.61 99.80 278.28 74.04 6 23 3 2452.7 -27.56 91.53
 100.00 1 7 32 3920.48 -.54 151.74 267.51 60.11 2 12 52 3320.5 -4.51 145.21
 110.00 7 27 9 2692.89 -31.89 74.32 280.13 76.99 8 12 2 2092.9 -33.35 65.40
 110.00 1 29 2 3853.02 4.97 143.21 264.09 56.14 2 33 15 3253.0 .49 136.99

DIFFERENTIAL CORRECTIONS

TOE 3.0166 TRA 4.6950 TC3-1.8543 BAU 1.1650
 ROE .4914 RRA -.0036 RC3 .0160 FAU .00958
 FDE .6976 FRA 1.3466 FC3 -.1765 BSP 18532
 BDE 3.0563 BRA 4.6950 BC3 1.8543 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 5637.7 SGR 411.3 SG3 120.9
 RRT .4161 RRF .3995 RTF .9537
 SGB 5652.6 R23 .0010 R13 .9537
 SGI 5640.3 SG2 373.9 THA 1.75

ORBIT DETERMINATION ACCURACY

ST 2840.6 SR 410.7 SS 642.8
 CRT .8864 CRS -.8399 CST -.9955
 LSA 2934.5 MSA 198.9 SSA 12.7
 EL1 2864.0 EL2 188.6 ALF 7.34

LAUNCH DATE DEC 14 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 590.763

RL 147.25 LAL -.00 LOL 81.79 VL 26.069 GAL 11.41 AZL 86.81 HCA 300.92 SMA 118.18 ECC .31186 INC 3.1871 V1 30.256
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.399 GAP 17.56 AZP 88.36 TAL 152.04 TAP 92.96 RCA 81.33 APO 155.04 V2 34.948
 RC 200.481 GL 11.26 GP -1.15 ZAL 42.87 ZAP 178.29 ETS 224.45 ZAE 130.28 ETE 181.39 ZAC 115.50 ETC 166.72 CLP 178.74

PLANETOCENTRIC CONIC

C3 52.922 VHL 7.275 DLA 25.52 RAL 33.83 RAD 6568.9 VEL 13.202 PTH 2.41 VHP 11.215 DPA 4.75 RAP 21.37 ECC 1.8710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 36 3414.92 -22.37 125.38 281.67 72.18 4 54 31 2814.9 -24.60 117.42
 90.00 0 17 2 4142.21 -1.83 168.76 272.79 61.74 1 26 4 3542.2 -5.59 162.10
 100.00 5 43 46 3072.66 -25.23 101.16 282.63 73.42 6 34 58 2472.7 -27.26 92.95
 100.00 1 13 33 3959.71 -.79 153.90 271.34 60.12 2 19 33 3359.7 -3.19 147.37
 110.00 7 37 48 2715.85 -31.53 76.01 284.59 76.05 8 23 4 2115.8 -33.12 67.15
 110.00 1 36 0 3889.28 6.34 145.12 267.90 56.34 2 40 49 3289.3 1.87 138.88

DIFFERENTIAL CORRECTIONS

TOE 3.0830 TRA 5.1574 TC3-1.6090 BAU 1.1384
 ROE .5157 RRA .0173 RC3 .0107 FAU .00831
 FDE .6923 FRA 1.4070 FC3 -.1359 BSP 18583
 BDE 3.1259 BRA 5.1575 BC3 1.6090 FSP -400

MID-COURSE EXECUTION ACCURACY

SGT 5624.5 SGR 406.7 SG3 117.3
 RRT .4449 RRF .4289 RTF .9575
 SGB 5639.2 R23 .0013 R13 .9575
 SGI 5627.4 SG2 364.1 THA 1.85

ORBIT DETERMINATION ACCURACY

ST 2779.3 SR 406.2 SS 637.6
 CRT .8790 CRS -.8348 CST -.9961
 LSA 2873.2 MSA 200.9 SSA 12.1
 EL1 2802.2 EL2 192.1 ALF 7.36

LAUNCH DATE DEC 14 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -1.00 LOL 81.79 VL 26.032 GAL 12.56 AZL 86.84 HCA 304.11 SMA 117.98 ECC .32551 INC 3.1619 V1 30.256
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.385 GAP 18.44 AZP 88.23 TAL 150.63 TAP 94.74 RCA 79.58 APO 156.38 V2 34.961
 RC 202.264 GL 10.43 GP -1.14 ZAL 41.04 ZAP 177.55 ETS 209.73 ZAE 130.19 ETE 181.40 ZAC 117.70 ETC 166.57 CLP 177.83

PLANETOCENTRIC CONIC

C3 59.910 VHL 7.740 DLA 25.29 RAL 35.90 RAD 6569.1 VEL 13.464 PTH 2.46 VHP 11.747 DPA 5.68 RAP 23.47 ECC 1.9860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 6 3430.89 -22.04 126.43 285.92 71.75 5 7 17 2830.9 -24.33 118.50
 90.00 0 21 2 4187.20 -1.37 171.27 276.49 61.69 1 30 49 3587.2 -4.16 164.63
 100.00 5 55 21 3091.56 -24.86 102.44 286.90 72.84 6 46 53 2491.6 -26.97 94.28
 100.00 1 18 28 4001.77 2.22 156.20 275.05 60.18 2 25 10 3401.8 -1.77 149.68
 110.00 7 48 17 2738.23 -31.15 77.65 288.94 75.15 8 33 55 2138.2 -32.87 68.85
 110.00 1 42 2 3927.86 7.79 147.17 271.61 56.61 2 47 29 3327.9 3.34 140.90

DIFFERENTIAL CORRECTIONS

TOE 3.1552 TRA 5.6544 TC3-1.3784 BAU 1.1040
 RDE .5402 RRA .0407 RC3 .0067 FAU .00702
 FDE .6893 FRA 1.4724 FC3 -.1015 BSP 18611
 BDE 3.2011 BRA 5.6545 BC3 1.3784 FSP -389

MID-COURSE EXECUTION ACCURACY

SGT 5607.1 SGR 401.4 SG3 113.9
 RRT .4737 RRF .4584 RTF .9615
 SGB 5621.5 R23 .0013 R13 .9615
 SG1 5610.4 SG2 353.3 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 2718.1 SR 400.0 SS 634.8
 CRT .8718 CRS -.8300 CST -.9967
 LSA 2812.5 MSA 201.9 SSA 11.6
 EL1 2740.5 EL2 194.4 ALF 7.35

LAUNCH DATE DEC 14 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -1.00 LOL 81.79 VL 25.996 GAL 13.82 AZL 86.87 HCA 307.30 SMA 117.78 ECC .34073 INC 3.1348 V1 30.256
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.372 GAP 19.41 AZP 88.10 TAL 149.30 TAP 96.60 RCA 77.65 APO 157.92 V2 34.974
 RC 204.023 GL 9.62 GP -1.12 ZAL 39.34 ZAP 176.70 ETS 201.95 ZAE 130.06 ETE 181.41 ZAC 119.86 ETC 166.37 CLP 176.89

PLANETOCENTRIC CONIC

C3 68.190 VHL 8.258 DLA 25.03 RAL 37.83 RAD 6569.3 VEL 13.767 PTH 2.52 VHP 12.338 DPA 6.59 RAP 25.54 ECC 2.1222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 34 3445.65 -21.72 127.39 290.07 71.37 5 20 0 2845.6 -24.06 119.50
 90.00 0 23 55 4234.78 1.16 173.92 280.07 61.70 1 34 30 3634.8 -2.63 167.29
 100.00 6 6 51 3109.45 -24.50 103.65 291.06 72.31 6 58 41 2509.5 -26.68 95.53
 100.00 1 22 20 4046.21 3.72 158.65 278.65 60.32 2 29 46 3446.2 -.26 152.12
 110.00 7 58 33 2760.01 -30.76 79.23 293.18 74.30 8 44 33 2160.0 -32.60 70.49
 110.00 1 47 8 3968.42 9.30 149.33 275.23 56.96 2 53 16 3368.4 4.89 143.03

DIFFERENTIAL CORRECTIONS

TOE 3.2343 TRA 6.1906 TC3-1.1633 BAU 1.0605
 RDE .5649 RRA .0668 RC3 .0040 FAU .00571
 FDE .6888 FRA 1.5437 FC3 -.0725 BSP 18612
 BDE 3.2833 BRA 6.1910 BC3 1.1633 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 5585.8 SGR 395.3 SG3 110.7
 RRT .5025 RRF .4879 RTF .9655
 SGB 5599.8 R23 .0011 R13 .9655
 SG1 5589.4 SG2 341.6 THA 2.04

ORBIT DETERMINATION ACCURACY

ST 2657.4 SR 392.3 SS 634.4
 CRT .8648 CRS -.8257 CST -.9972
 LSA 2752.7 MSA 201.9 SSA 11.0
 EL1 2679.1 EL2 195.4 ALF 7.31

LAUNCH DATE DEC 14 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -1.00 LOL 81.79 VL 25.962 GAL 15.20 AZL 86.89 HCA 310.50 SMA 117.60 ECC .35776 INC 3.1053 V1 30.256
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.359 GAP 20.49 AZP 87.98 TAL 148.06 TAP 98.56 RCA 75.52 APO 159.67 V2 34.987
 RC 205.757 GL 8.84 GP -1.10 ZAL 37.78 ZAP 175.76 ETS 197.32 ZAE 129.89 ETE 181.42 ZAC 121.98 ETC 166.14 CLP 175.90

PLANETOCENTRIC CONIC

C3 78.060 VHL 8.835 DLA 24.74 RAL 39.60 RAD 6569.5 VEL 14.121 PTH 2.57 VHP 12.998 DPA 7.47 RAP 27.58 ECC 2.2847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 53 3459.30 -21.42 128.28 294.10 71.02 5 32 33 2859.3 -23.81 120.43
 90.00 0 25 47 4284.44 2.76 176.69 283.51 61.81 1 37 11 3684.4 -1.03 170.06
 100.00 6 18 10 3126.35 -24.14 104.78 295.10 71.81 7 10 16 2526.3 -26.40 96.70
 100.00 1 25 12 4092.62 5.28 161.21 282.13 60.53 2 33 24 3492.6 1.31 154.67
 110.00 8 8 31 2781.08 -30.36 80.74 297.28 73.48 8 54 52 2181.1 -32.32 72.07
 110.00 1 51 19 4010.66 10.86 151.61 278.73 57.39 2 58 10 3410.7 6.48 145.25

DIFFERENTIAL CORRECTIONS

TOE 3.3255 TRA 6.7754 TC3 -.9622 BAU 1.0041
 RDE .5899 RRA .0960 RC3 .0024 FAU .00430
 FDE .6920 FRA 1.6232 FC3 -.0477 BSP 18514
 BDE 3.3774 BRA 6.7761 BC3 .9622 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 5562.9 SGR 388.6 SG3 107.6
 RRT .5316 RRF .5179 RTF .9694
 SGB 5576.5 R23 .0009 R13 .9695
 SG1 5566.8 SG2 328.9 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 2600.0 SR 383.1 SS 637.5
 CRT .8582 CRS -.8222 CST -.9977
 LSA 2696.8 MSA 200.6 SSA 10.5
 EL1 2620.8 EL2 195.1 ALF 7.25

LAUNCH DATE DEC 14 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

RL 147.25 LAL -1.00 LOL 81.79 VL 25.928 GAL 16.73 AZL 86.93 HCA 313.70 SMA 117.41 ECC .37689 INC 3.0727 V1 30.256
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.348 GAP 21.71 AZP 87.88 TAL 146.94 TAP 100.64 RCA 73.16 APO 161.67 V2 35.000
 RC 207.465 GL 8.07 GP -1.09 ZAL 36.35 ZAP 174.75 ETS 194.29 ZAE 129.66 ETE 181.42 ZAC 124.04 ETC 165.87 CLP 174.86

PLANETOCENTRIC CONIC

C3 89.904 VHL 9.482 DLA 24.41 RAL 41.22 RAD 6569.8 VEL 14.534 PTH 2.64 VHP 13.739 DPA 8.32 RAP 29.58 ECC 2.4796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 57 3471.85 -21.14 129.09 297.99 70.71 5 44 49 2871.8 -23.58 121.27
 90.00 0 26 39 4335.73 4.41 179.56 286.82 62.00 1 38 54 3735.7 .63 172.92
 100.00 6 29 12 3142.18 -23.80 105.83 298.98 71.36 7 21 34 2542.2 -26.12 97.80
 100.00 1 27 5 4140.63 6.88 163.88 285.47 60.84 2 36 5 3540.6 -2.94 157.31
 110.00 8 18 10 2801.30 -29.96 82.18 301.22 72.72 9 4 51 2201.3 -32.03 73.58
 110.00 1 54 37 4054.27 12.45 153.99 282.12 57.91 3 2 11 3454.3 8.12 147.57

DIFFERENTIAL CORRECTIONS

TOE 3.4235 TRA 7.4058 TC3 -.7796 BAU .9370
 RDE .6148 RRA .1278 RC3 .0016 FAU .00286
 FDE .6971 FRA 1.7096 FC3 -.0275 BSP 18518
 BDE 3.4783 BRA 7.4069 BC3 .7796 FSP -355

MID-COURSE EXECUTION ACCURACY

SGT 5533.2 SGR 381.1 SG3 104.7
 RRT .5600 RRF .5472 RTF .9734
 SGB 5546.3 R23 .0003 R13 .9734
 SG1 5537.3 SG2 315.5 THA 2.22

ORBIT DETERMINATION ACCURACY

ST 2540.7 SR 372.4 SS 642.8
 CRT .8520 CRS -.8190 CST -.9981
 LSA 2639.6 MSA 198.2 SSA 9.9
 EL1 2560.6 EL2 193.4 ALF 7.16

LAUNCH DATE DEC 14 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 609.547

RL 147.25 LAL -.00 LOL 81.79 VL 25.896 GAL 18.41 AZL 86.96 HCA 316.90 SMA 117.24 ECC .39845 INC 3.0365 V1 30.256
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.338 GAP 23.09 AZP 87.78 TAL 145.97 TAP 102.87 RCA 70.53 APO 163.96 V2 35.014
 RC 209.146 GL 7.32 GP -1.07 ZAL 35.07 ZAP 173.66 ETS 192.17 ZAE 129.36 ETE 181.43 ZAC 126.04 ETC 165.57 CLP 173.75

PLANETOCENTRIC CONIC

C3 104.224 VHL 10.209 DLA 24.04 RAL 42.68 RAD 6570.0 VEL 15.019 PTH 2.70 VHP 14.576 DPA 9.13 RAP 31.53 ECC 2.7153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 41 3483.20 -20.88 129.83 301.71 70.43 5 56 44 2883.2 -23.36 122.03
 90.00 0 26 32 4388.25 6.08 182.52 289.96 62.29 1 39 40 3788.2 2.32 175.85
 100.00 6 39 55 3156.80 -23.48 106.80 302.70 70.95 7 32 32 2556.8 -25.86 98.81
 100.00 1 27 59 4189.88 8.50 166.63 288.65 61.23 2 37 49 3589.9 4.60 160.02
 110.00 8 27 25 2820.48 -29.57 83.53 304.97 72.01 9 14 25 2220.5 -31.74 74.99
 110.00 1 56 58 4098.97 14.05 156.46 285.37 58.51 3 5 17 3499.0 9.79 149.96

DIFFERENTIAL CORRECTIONS

TDE 3.5358 TRA 8.0947 TC3 -.6120 BAU .8528
 ROE .6399 RRA .1628 RC3 .0017 FAU .00126
 FDE .7059 FRA 1.8061 FC3 -.0105 BSP 18496
 BDE 3.5932 BRA 8.0963 BC3 .6120 FSP -346

MID-COURSE EXECUTION ACCURACY

SGT 5499.6 SGR 372.8 SG3 101.8
 RRT .5883 RRF .5764 RTF .9772
 SGB 5512.2 R23 -.0003 R13 .9772
 SG1 5503.9 SG2 301.2 TMA 2.29

ORBIT DETERMINATION ACCURACY

ST 2483.2 SR 360.4 SS 651.7
 CRT .8464 CRS -.8165 CST -.9984
 LSA 2585.1 MSA 194.6 SSA 9.4
 EL1 2502.0 EL2 190.5 ALF 7.04

LAUNCH DATE DEC 14 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 611.876

RL 147.25 LAL -.00 LOL 81.79 VL 25.866 GAL 20.30 AZL 87.00 HCA 320.10 SMA 117.08 ECC .42285 INC 2.9956 V1 30.256
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.329 GAP 24.66 AZP 87.70 TAL 145.16 TAP 105.26 RCA 67.57 APO 166.59 V2 35.027
 RC 210.800 GL 6.60 GP -1.06 ZAL 33.96 ZAP 172.48 ETS 190.61 ZAE 128.98 ETE 181.43 ZAC 127.96 ETC 165.23 CLP 172.56

PLANETOCENTRIC CONIC

C3 121.687 VHL 11.031 DLA 23.64 RAL 43.96 RAD 6570.3 VEL 15.589 PTH 2.78 VHP 15.527 DPA 9.90 RAP 33.41 ECC 3.0027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 0 3493.15 -20.65 130.47 305.23 70.19 6 8 13 2893.2 -23.17 122.70
 90.00 0 25 26 4441.66 7.76 185.54 292.94 62.68 1 39 27 3841.7 4.04 178.84
 100.00 6 50 14 3169.98 -23.18 107.66 306.20 70.58 7 43 4 2570.0 -25.62 99.71
 100.00 1 27 53 4240.06 10.13 169.46 291.67 61.73 2 38 33 3640.1 6.28 162.80
 110.00 8 36 14 2838.34 -29.18 84.78 308.51 71.36 9 23 32 2238.3 -31.45 76.31
 110.00 1 58 22 4144.47 15.66 159.01 288.46 59.22 3 7 26 3544.5 11.46 152.42

DIFFERENTIAL CORRECTIONS

TDE 3.6663 TRA 8.8501 TC3 -.4595 BAU .7476
 ROE .6653 RRA .2011 RC3 .0023 FAU-.00053
 FDE .7192 FRA 1.9145 FC3 .0038 BSP 18455
 BDE 3.7261 BRA 8.8524 BC3 .4595 FSP -337

MID-COURSE EXECUTION ACCURACY

SGT 5461.9 SGR 363.9 SG3 99.2
 RRT .6163 RRF .6053 RTF .9808
 SGB 5474.1 R23 -.0009 R13 .9808
 SG1 5466.6 SG2 286.3 TMA 2.36

ORBIT DETERMINATION ACCURACY

ST 2427.6 SR 347.2 SS 664.8
 CRT .8417 CRS -.8149 CST -.9988
 LSA 2533.7 MSA 189.7 SSA 8.8
 EL1 2445.2 EL2 186.1 ALF 6.90

LAUNCH DATE DEC 14 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 613.405

RL 147.25 LAL -.00 LOL 81.79 VL 25.838 GAL 22.43 AZL 87.05 HCA 323.31 SMA 116.93 ECC .45058 INC 2.9488 V1 30.256
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.322 GAP 26.46 AZP 87.63 TAL 144.57 TAP 107.88 RCA 64.24 APO 169.62 V2 35.040
 RC 212.427 GL 5.89 GP -1.05 ZAL 33.02 ZAP 171.20 ETS 189.40 ZAE 128.50 ETE 181.42 ZAC 129.78 ETC 164.87 CLP 171.26

PLANETOCENTRIC CONIC

C3 143.184 VHL 11.966 DLA 23.20 RAL 45.05 RAD 6570.6 VEL 16.264 PTH 2.85 VHP 16.615 DPA 10.62 RAP 35.21 ECC 3.3565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 50 3501.40 -20.46 131.00 308.51 69.99 6 19 11 2901.4 -23.01 123.25
 90.00 0 23 16 4495.68 9.43 188.63 295.71 63.18 1 38 12 3895.7 5.76 181.88
 100.00 7 0 4 3181.41 -22.92 108.41 309.47 70.27 7 53 6 2581.4 -25.40 100.49
 100.00 1 26 42 4290.91 11.76 172.36 294.49 62.32 2 38 13 3690.9 7.96 165.63
 110.00 8 44 33 2854.55 -28.83 85.91 311.79 70.78 9 32 7 2254.6 -31.17 77.49
 110.00 1 58 43 4190.53 17.24 161.64 291.37 60.02 3 8 34 3590.5 13.13 154.95

DIFFERENTIAL CORRECTIONS

TDE 3.8236 TRA 9.8861 TC3 -.3203 BAU .6133
 ROE .6912 RRA .2428 RC3 .0035 FAU-.00267
 FDE .7387 FRA 2.0381 FC3 .0161 BSP 18291
 BDE 3.8856 BRA 9.6891 BC3 .3204 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 5422.4 SGR 354.4 SG3 96.8
 RRT .6441 RRF .6342 RTF .9841
 SGB 5433.9 R23 -.0016 R13 .9841
 SG1 5427.2 SG2 270.9 TMA 2.42

ORBIT DETERMINATION ACCURACY

ST 2375.7 SR 333.2 SS 683.3
 CRT .8382 CRS -.8145 CST -.9990
 LSA 2487.6 MSA 183.5 SSA 8.3
 EL1 2392.2 EL2 180.4 ALF 6.74

LAUNCH DATE DEC 14 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 613.899

RL 147.25 LAL -.00 LOL 81.79 VL 25.812 GAL 24.84 AZL 87.11 HCA 326.52 SMA 116.79 ECC .48220 INC 2.8943 V1 30.256
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.317 GAP 28.54 AZP 87.59 TAL 144.23 TAP 110.75 RCA 60.48 APO 173.11 V2 35.053
 RC 214.027 GL 5.21 GP -1.04 ZAL 32.29 ZAP 169.79 ETS 188.44 ZAE 127.89 ETE 181.42 ZAC 131.48 ETC 164.49 CLP 169.84

PLANETOCENTRIC CONIC

C3 169.921 VHL 13.035 DLA 22.72 RAL 45.92 RAD 6570.8 VEL 17.066 PTH 2.93 VHP 17.869 DPA 11.29 RAP 36.90 ECC 3.7965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 7 3507.53 -20.32 131.39 311.51 69.84 6 29 35 2907.5 -22.88 123.66
 90.00 0 19 56 4550.12 11.09 191.77 298.24 63.78 1 35 46 3950.1 7.47 184.96
 100.00 7 9 23 3190.68 -22.71 109.02 312.45 70.02 8 2 34 2590.7 -25.22 101.12
 100.00 1 24 21 4342.20 13.36 175.33 297.07 63.01 2 36 43 3742.2 9.64 168.52
 110.00 8 52 18 2868.72 -28.50 86.88 314.77 70.28 9 40 6 2268.7 -30.92 78.52
 110.00 1 57 56 4236.92 18.80 164.34 294.06 60.91 3 8 33 3636.9 14.78 157.53

DIFFERENTIAL CORRECTIONS

TDE 4.0032 TRA10.6030 TC3 -.1971 BAU .4480
 ROE .7176 RRA .2876 RC3 .0050 FAU-.00515
 FDE .7631 FRA 2.1773 FC3 .0263 BSP 18238
 BDE 4.0671 BRA10.6069 BC3 .1972 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 5374.8 SGR 344.1 SG3 94.4
 RRT .6708 RRF .6620 RTF .9872
 SGB 5365.8 R23 -.0024 R13 .9872
 SG1 5379.8 SG2 255.0 TMA 2.46

ORBIT DETERMINATION ACCURACY

ST 2322.5 SR 318.1 SS 706.5
 CRT .8356 CRS -.8148 CST -.9993
 LSA 2441.9 MSA 176.3 SSA 7.7
 EL1 2337.7 EL2 173.6 ALF 6.57

LAUNCH DATE DEC 15 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 23 1966

HELIOCENTRIC CONIC

DISTANCE 194.060

RL 147.24 LAL -0.00 LOL 82.81 VL 27.959 GAL -10.36 AZL 86.61 MCA 88.05 SMA 129.98 ECC .22224 INC 3.3850 V1 30.259
 RP 107.64 LAP 3.38 LOP 170.86 VP 38.010 GAP -8.22 AZP 89.88 TAL 223.66 TAP 311.71 RCA 101.10 APO 158.87 V2 35.204
 RC 55.368 GL 16.14 GP 2.35 ZAL 146.32 ZAP 23.48 ETS 353.49 ZAE 150.83 ETE 344.78 ZAC 62.39 ETC 164.06 CLP -23.36

PLANETOCENTRIC CONIC

C3 34.129 VHL 5.842 DLA -5.58 RAL 291.94 RAD 6568.3 VEL 12.470 PTH 2.26 VHP 6.094 DPA -13.15 RAP 330.00 ECC 1.5617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 38 2172.47 -18.52 38.83 160.84 111.81 2 33 51 1572.5 -15.40 31.55
 90.00 12 32 18 5164.10 25.62 230.74 164.36 77.50 13 58 22 4564.1 23.64 222.63
 100.00 3 16 20 1918.58 -19.73 19.64 160.32 112.93 3 48 19 1318.6 -16.45 12.38
 100.00 13 56 17 4893.22 26.88 210.50 164.03 76.41 15 17 50 4293.2 24.75 202.35
 110.00 4 18 33 1723.84 -22.93 3.29 158.75 116.07 4 47 16 1123.8 -19.24 356.10
 110.00 15 10 34 4660.73 30.29 191.80 162.98 73.34 16 28 15 4060.7 27.71 183.55

DIFFERENTIAL CORRECTIONS

TDE -.1821 TRA -.3189 TC3 .3690 BAU .1724
 RDE -.3831 RRA .0613 RC3 -.0816 FAU .05906
 FDE .4730 FRA -.7352 FC3 -1.4981 BSP 1398
 BDE .4241 BRA .3247 BC3 .3779 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 582.6 SGR 392.3 SG3 168.5
 RRT .0317 RRF -.0669 RTF -.5558
 SGB 685.9 R23 -.0326 R13 -.5570
 SG1 562.9 SG2 391.9 THA 2.46

ORBIT DETERMINATION ACCURACY

ST 202.3 SR 376.2 SS 271.1
 CRT .8585 CRS .9193 CST .6048
 LSA 484.2 MSA 144.5 SSA 24.2
 EL1 416.7 EL2 93.6 ALF 63.79

LAUNCH DATE DEC 15 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 200.839

RL 147.24 LAL -0.00 LOL 82.81 VL 28.067 GAL -10.29 AZL 86.64 MCA 91.29 SMA 130.76 ECC .21742 INC 3.3643 V1 30.259
 RP 107.67 LAP 3.36 LOP 174.10 VP 38.082 GAP -7.41 AZP 90.08 TAL 224.94 TAP 316.23 RCA 102.33 APO 159.19 V2 35.195
 RC 57.230 GL 16.30 GP 2.52 ZAL 147.06 ZAP 26.97 ETS 353.92 ZAE 151.76 ETE 345.20 ZAC 62.10 ETC 164.11 CLP -26.86

PLANETOCENTRIC CONIC

C3 33.347 VHL 5.775 DLA -5.56 RAL 291.03 RAD 6568.3 VEL 12.439 PTH 2.25 VHP 5.690 DPA -13.07 RAP 329.69 ECC 1.5488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 51 2167.17 -18.39 38.50 159.54 111.92 2 29 59 1567.2 -15.26 31.23
 90.00 12 28 47 5157.69 25.52 230.30 163.00 77.30 13 54 45 4557.7 23.52 222.20
 100.00 3 12 34 1913.25 -19.58 19.31 159.02 113.05 3 44 27 1313.3 -16.30 12.06
 100.00 13 52 46 4886.85 26.78 210.05 162.67 76.20 15 14 13 4286.8 24.62 201.92
 110.00 4 14 47 1718.45 -22.77 2.96 157.45 116.21 4 43 26 1118.5 -19.06 355.78
 110.00 15 7 2 4654.41 30.16 191.35 161.62 73.10 16 24 36 4054.4 27.55 183.13

DIFFERENTIAL CORRECTIONS

TDE -.1768 TRA -.3129 TC3 .3727 BAU .1698
 RDE -.3788 RRA .0608 RC3 -.0787 FAU .06617
 FDE .5335 FRA -.8634 FC3 -1.7178 BSP 1403
 BDE .4180 BRA .3187 BC3 .3809 FSP -529

MID-COURSE EXECUTION ACCURACY

SGT 559.7 SGR 391.4 SG3 192.4
 RRT .0359 RRF -.0812 RTF -.5443
 SGB 683.0 R23 -.0431 R13 -.5461
 SG1 560.1 SG2 390.9 THA 2.80

ORBIT DETERMINATION ACCURACY

ST 199.2 SR 376.3 SS 291.0
 CRT .8562 CRS .9135 CST .5889
 LSA 492.5 MSA 150.9 SSA 24.3
 EL1 415.4 EL2 93.2 ALF 64.22

LAUNCH DATE DEC 15 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 207.589

RL 147.24 LAL -0.00 LOL 82.81 VL 28.160 GAL -10.22 AZL 86.66 MCA 94.53 SMA 131.43 ECC .21329 INC 3.3428 V1 30.259
 RP 107.70 LAP 3.33 LOP 177.35 VP 38.141 GAP -6.63 AZP 90.26 TAL 226.08 TAP 320.61 RCA 103.40 APO 159.47 V2 35.186
 RC 59.152 GL 16.42 GP 2.72 ZAL 147.69 ZAP 30.66 ETS 354.27 ZAE 153.02 ETE 345.53 ZAC 61.61 ETC 164.15 CLP -30.55

PLANETOCENTRIC CONIC

C3 32.667 VHL 5.716 DLA -5.56 RAL 290.23 RAD 6568.3 VEL 12.411 PTH 2.24 VHP 5.318 DPA -13.04 RAP 329.18 ECC 1.5376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 38 2162.27 -18.27 38.20 158.41 112.02 2 26 40 1562.3 -15.12 30.93
 90.00 12 25 42 5152.22 25.44 229.92 161.83 77.13 13 51 34 4552.2 23.42 221.84
 100.00 3 9 21 1908.33 -19.45 19.00 157.88 113.15 3 41 9 1308.3 -16.15 11.76
 100.00 13 49 40 4881.39 26.69 209.67 161.49 76.02 15 11 1 4281.4 24.51 201.55
 110.00 4 11 34 1713.50 -22.62 2.65 156.32 116.34 4 40 8 1113.5 -18.90 355.49
 110.00 15 3 55 4648.99 30.06 190.96 160.43 72.89 16 21 24 4049.0 27.42 182.76

DIFFERENTIAL CORRECTIONS

TDE -.1712 TRA -.3127 TC3 .3674 BAU .1637
 RDE -.3743 RRA .0613 RC3 -.0745 FAU .07408
 FDE .6035 FRA -1.0047 FC3 -1.9632 BSP 1344
 BDE .4115 BRA .3186 BC3 .3748 FSP -612

MID-COURSE EXECUTION ACCURACY

SGT 552.2 SGR 389.6 SG3 219.0
 RRT .0427 RRF -.0995 RTF -.5197
 SGB 675.8 R23 -.0555 R13 -.5225
 SG1 552.7 SG2 388.9 THA 3.42

ORBIT DETERMINATION ACCURACY

ST 196.3 SR 375.6 SS 312.5
 CRT .8489 CRS .9096 CST .5690
 LSA 501.8 MSA 157.9 SSA 24.2
 EL1 413.2 EL2 94.3 ALF 64.67

LAUNCH DATE DEC 15 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 214.308

RL 147.24 LAL -0.00 LOL 82.81 VL 28.239 GAL -10.16 AZL 86.68 MCA 97.76 SMA 132.01 ECC .20975 INC 3.3210 V1 30.259
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.190 GAP -5.89 AZP 90.45 TAL 227.08 TAP 324.84 RCA 104.32 APO 159.70 V2 35.176
 RC 61.127 GL 16.52 GP 2.93 ZAL 148.23 ZAP 34.57 ETS 354.57 ZAE 154.61 ETE 345.80 ZAC 60.90 ETC 164.16 CLP -34.46

PLANETOCENTRIC CONIC

C3 32.067 VHL 5.663 DLA -5.55 RAL 289.56 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 4.977 DPA -13.05 RAP 328.46 ECC 1.5277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 55 2157.67 -18.15 37.91 157.42 112.12 2 23 52 1557.7 -14.99 30.66
 90.00 12 23 1 5147.47 25.37 229.59 160.81 76.98 13 48 49 4547.5 23.32 221.52
 100.00 3 6 38 1903.74 -19.33 18.72 156.90 113.26 3 38 22 1303.7 -16.02 11.49
 100.00 13 46 59 4876.64 26.61 209.34 160.47 75.86 15 8 16 4276.6 24.41 201.23
 110.00 4 8 52 1708.89 -22.48 2.37 155.34 116.45 4 37 21 1108.9 -18.75 355.22
 110.00 15 1 15 4644.25 29.96 190.63 159.40 72.71 16 18 39 4044.3 27.30 182.44

DIFFERENTIAL CORRECTIONS

TDE -.1632 TRA -.3176 TC3 .3534 BAU .1544
 RDE -.3695 RRA .0626 RC3 -.0689 FAU .08285
 FDE .6816 FRA -1.1600 FC3 -2.2369 BSP 1259
 BDE .4039 BRA .3237 BC3 .3601 FSP -706

MID-COURSE EXECUTION ACCURACY

SGT 540.1 SGR 387.2 SG3 248.7
 RRT .0477 RRF -.1213 RTF -.4807
 SGB 664.6 R23 -.0744 R13 -.4850
 SG1 540.8 SG2 386.3 THA 4.00

ORBIT DETERMINATION ACCURACY

ST 191.8 SR 374.3 SS 334.9
 CRT .8336 CRS .9069 CST .5391
 LSA 511.1 MSA 165.1 SSA 24.0
 EL1 409.3 EL2 96.9 ALF 65.40

LAUNCH DATE DEC 15 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 220.995

RL 147.24 LAL -0.00 LOL 82.81 VL 28.305 GAL -10.10 AZL 86.70 HCA 100.99 SMA 132.50 ECC .20672 INC 3.2990 V1 30.259
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.229 GAP -5.18 AZP 90.63 TAL 227.92 TAP 328.92 RCA 105.11 APO 159.89 V2 35.166
 RC 63.151 GL 16.59 GP 3.16 ZAL 148.68 ZAP 38.71 ETS 354.82 ZAE 156.53 ETE 345.98 ZAC 59.96 ETC 164.16 CLP -38.60

PLANETOCENTRIC CONIC

C3 31.526 VHL 5.615 DLA -5.55 RAL 289.00 RAD 6568.3 VEL 12.365 PTH 2.23 VHP 4.667 DPA -13.12 RAP 327.50 ECC 1.5188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 41 2153.32 -18.04 37.64 156.58 112.21 2 21 35 1553.3 -14.87 30.40
 90.00 12 20 46 5143.26 25.30 229.30 159.93 76.85 13 46 29 4543.3 23.24 221.24
 100.00 3 4 24 1899.39 -19.21 18.45 156.06 113.35 3 36 4 1299.4 -15.89 11.23
 100.00 13 44 44 4872.43 26.54 209.05 159.60 75.72 15 5 56 4272.4 24.32 200.95
 110.00 4 6 38 1704.55 -22.35 2.10 154.49 116.56 4 35 3 1104.6 -18.61 354.97
 110.00 14 58 59 4640.03 29.87 190.33 158.52 72.56 16 16 19 4040.0 27.20 182.16

DIFFERENTIAL CORRECTIONS

TDE -.1516 TRA -.3273 TC3 .3316 BAU .1422
 RDE -.3644 RRA .0648 RC3 -.0618 FAU .09264
 FDE -.7640 FRA -1.3313 FC3 -2.5441 BSP 1170
 BOE .3946 BRA .3337 BC3 .3373 FSP -817

MID-COURSE EXECUTION ACCURACY

SGT 524.6 SGR 384.0 SG3 281.7
 RRT .0465 RRF -.1457 RTF -.4247
 SGB 650.1 R23 -.1034 R13 -.4308
 SG1 525.2 SG2 383.1 TMA 4.17

ORBIT DETERMINATION ACCURACY

ST 184.9 SR 372.4 SS 356.7
 CRT .8059 CRS .9041 CST .4910
 LSA 519.5 MSA 172.3 SSA 23.8
 EL1 403.3 EL2 101.1 ALF 66.64

LAUNCH DATE DEC 15 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 227.648

RL 147.24 LAL -0.00 LOL 82.81 VL 28.358 GAL -10.04 AZL 86.72 HCA 104.22 SMA 132.91 ECC .20409 INC 3.2765 V1 30.259
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.259 GAP -4.51 AZP 90.81 TAL 228.62 TAP 332.84 RCA 105.78 APO 160.03 V2 35.155
 RC 65.219 GL 16.65 GP 3.41 ZAL 149.04 ZAP 43.09 ETS 355.06 ZAE 158.80 ETE 346.05 ZAC 58.79 ETC 164.13 CLP -42.98

PLANETOCENTRIC CONIC

C3 31.027 VHL 5.570 DLA -5.56 RAL 288.55 RAD 6568.2 VEL 12.345 PTH 2.23 VHP 4.387 DPA -13.24 RAP 326.30 ECC 1.5106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 56 2149.16 -17.93 37.38 155.86 112.29 2 19 45 1549.2 -14.75 30.15
 90.00 12 18 56 5139.41 25.24 229.03 159.19 76.73 13 44 35 4539.4 23.17 220.98
 100.00 3 2 39 1895.23 -19.10 18.19 155.34 113.44 3 34 14 1295.2 -15.77 10.98
 100.00 13 42 54 4868.57 26.48 208.78 158.85 75.59 15 4 2 4268.6 24.24 200.69
 110.00 4 4 52 1700.41 -22.23 1.84 153.78 116.66 4 33 13 1100.4 -18.47 354.73
 110.00 14 57 10 4636.15 29.79 190.05 157.77 72.41 16 14 26 4036.2 27.10 181.90

DIFFERENTIAL CORRECTIONS

TDE -.1385 TRA -.3451 TC3 .2974 BAU .1253
 RDE -.3589 RRA .0680 RC3 -.0531 FAU .10308
 FDE .8561 FRA -1.5106 FC3 -2.8763 BSP 1008
 BOE .3847 BRA .3517 BC3 .3021 FSP -931

MID-COURSE EXECUTION ACCURACY

SGT 507.2 SGR 380.4 SG3 317.2
 RRT .0410 RRF -.1757 RTF -.3384
 SGB 634.0 R23 -.1440 R13 -.3464
 SG1 507.7 SG2 379.7 TMA 4.00

ORBIT DETERMINATION ACCURACY

ST 178.4 SR 369.8 SS 379.8
 CRT .7625 CRS .9036 CST .4266
 LSA 529.2 MSA 179.5 SSA 23.6
 EL1 396.2 EL2 107.7 ALF 68.10

LAUNCH DATE DEC 15 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 234.267

RL 147.24 LAL -0.00 LOL 82.81 VL 28.401 GAL -9.98 AZL 86.75 HCA 107.45 SMA 133.23 ECC .20182 INC 3.2533 V1 30.259
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.281 GAP -3.87 AZP 90.98 TAL 229.17 TAP 336.61 RCA 106.34 APO 160.12 V2 35.143
 RC 67.327 GL 16.69 GP 3.68 ZAL 149.32 ZAP 47.70 ETS 355.28 ZAE 161.39 ETE 345.99 ZAC 57.39 ETC 164.09 CLP -47.60

PLANETOCENTRIC CONIC

C3 30.557 VHL 5.528 DLA -5.57 RAL 288.20 RAD 6568.2 VEL 12.326 PTH 2.22 VHP 4.139 DPA -13.41 RAP 324.86 ECC 1.5029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 36 2145.12 -17.82 37.13 155.26 112.37 2 18 21 1545.1 -14.64 29.90
 90.00 12 17 30 5135.79 25.19 228.78 158.56 76.61 13 43 6 4535.8 23.10 220.74
 100.00 3 1 19 1891.20 -18.99 17.94 154.74 113.53 3 32 50 1291.2 -15.65 10.74
 100.00 13 41 28 4864.94 26.42 208.52 158.23 75.47 15 2 33 4264.9 24.16 200.45
 110.00 4 3 32 1696.41 -22.10 1.60 153.18 116.76 4 31 48 1096.4 -18.33 354.49
 110.00 14 55 44 4632.49 29.72 189.80 157.14 72.28 16 12 57 4032.5 27.01 181.66

DIFFERENTIAL CORRECTIONS

TDE -.1222 TRA -.3702 TC3 .2514 BAU .1042
 RDE -.3530 RRA .0721 RC3 -.0427 FAU .11413
 FDE .9534 FRA -1.6964 FC3 -3.2334 BSP 809
 BOE .3736 BRA .3772 BC3 .2550 FSP -1054

MID-COURSE EXECUTION ACCURACY

SGT 491.9 SGR 376.5 SG3 354.9
 RRT .0230 RRF -.2104 RTF -.2167
 SGB 619.5 R23 -.1983 R13 -.2233
 SG1 492.1 SG2 376.3 TMA 2.43

ORBIT DETERMINATION ACCURACY

ST 171.7 SR 366.6 SS 402.8
 CRT .6947 CRS .9041 CST .3349
 LSA 539.3 MSA 186.4 SSA 23.2
 EL1 387.6 EL2 116.8 ALF 70.09

LAUNCH DATE DEC 15 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 240.850

RL 147.24 LAL -0.00 LOL 82.81 VL 28.434 GAL -9.91 AZL 86.77 HCA 110.67 SMA 133.49 ECC .19984 INC 3.2293 V1 30.259
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.295 GAP -3.25 AZP 91.14 TAL 229.57 TAP 340.24 RCA 106.81 APO 160.16 V2 35.132
 RC 69.470 GL 16.71 GP 3.96 ZAL 149.51 ZAP 52.54 ETS 355.50 ZAE 164.29 ETE 345.72 ZAC 55.75 ETC 164.02 CLP -52.44

PLANETOCENTRIC CONIC

C3 30.105 VHL 5.487 DLA -5.57 RAL 287.95 RAD 6568.2 VEL 12.308 PTH 2.22 VHP 3.921 DPA -13.62 RAP 323.19 ECC 1.4955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 40 2141.15 -17.72 36.88 154.76 112.45 2 17 21 1541.1 -14.52 29.67
 90.00 12 16 27 5132.28 25.13 228.54 158.05 76.50 13 42 0 4532.3 23.03 220.50
 100.00 3 0 23 1887.24 -18.88 17.69 154.24 113.61 3 31 50 1287.2 -15.53 10.51
 100.00 13 40 26 4861.42 26.36 208.28 157.71 75.36 15 1 28 4261.4 24.09 200.22
 110.00 4 2 35 1692.47 -21.98 1.35 152.68 116.86 4 30 48 1092.5 -18.20 354.26
 110.00 14 54 43 4628.95 29.65 189.55 156.62 72.15 16 11 52 4028.9 26.92 181.42

DIFFERENTIAL CORRECTIONS

TDE -.1017 TRA -.4019 TC3 .1943 BAU .0792
 RDE -.3466 RRA .0772 RC3 -.0306 FAU .12574
 FDE 1.0482 FRA -1.8884 FC3 -3.6159 BSP 602
 BOE .3612 BRA .4093 BC3 .1967 FSP -1192

MID-COURSE EXECUTION ACCURACY

SGT 484.3 SGR 372.4 SG3 394.7
 RRT -.0159 RRF -.2490 RTF -.0573
 SGB 611.0 R23 .2512 R13 .0516
 SG1 484.4 SG2 372.3 TMA 178.29

ORBIT DETERMINATION ACCURACY

ST 165.3 SR 362.8 SS 423.9
 CRT .5896 CRS .9044 CST .2020
 LSA 548.6 MSA 192.8 SSA 23.0
 EL1 377.4 EL2 128.3 ALF 72.93

LAUNCH DATE DEC 15 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 28.458 GAL -9.85 AZL 86.80 HCA 113.90 SMA 133.67 ECC .19809 INC 3.2043 V1 30.259
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.301 GAP -2.67 AZP 91.30 TAL 229.83 TAP 343.73 RCA 107.19 APO 160.15 V2 35.120
 RC 71.643 GL 16.72 GP 4.26 ZAL 149.64 ZAP 57.59 ETS 355.74 ZAE 167.48 ETE 345.08 ZAC 53.91 ETC 163.94 CLP -57.49

PLANETOCENTRIC CONIC

C3 29.662 VHL 5.446 DLA -5.58 RAL 287.80 RAD 6568.2 VEL 12.290 PTH 2.21 VMP 3.733 DPA -13.86 RAP 321.30 ECC 1.4882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 7 2137.20 -17.62 36.64 154.36 112.53 2 16 45 1537.2 -14.41 29.43
 90.00 12 15 48 5128.78 25.08 228.30 157.63 76.40 13 41 17 4528.8 22.96 220.27
 100.00 2 59 50 1883.31 -18.78 17.45 153.84 113.70 3 31 13 1283.3 -15.41 10.27
 100.00 13 39 47 4857.91 26.30 208.04 157.29 75.25 15 0 45 4257.9 24.01 199.98
 110.00 4 2 2 1688.56 -21.86 1.11 152.29 116.96 4 30 10 1088.6 -18.07 354.03
 110.00 14 54 4 4625.42 29.57 189.30 156.20 72.02 16 11 9 4025.4 26.83 181.18

DIFFERENTIAL CORRECTIONS

TOE -.0789 TRA -.4427 TC3 .1225 BAU .0490
 RDE -.3398 RRA .0829 RC3 -.0167 FAU .13716
 FDE 1.1461 FRA -2.0702 FC3 -4.0033 BSP 394
 BDE .3488 BRA .4504 BC3 .1237 FSP -1323

MID-COURSE EXECUTION ACCURACY

SGT 493.6 SGR 368.5 SG3 434.2
 RRT -.0757 RRF -.2934 RTF .1378
 SGB 616.0 R23 .2698 R13 -.1635
 SG1 495.4 SG2 366.2 THA 172.84

ORBIT DETERMINATION ACCURACY

ST 163.1 SR 358.4 SS 444.8
 CRT .4443 CRS .9067 CST .0375
 LSA 559.5 MSA 198.6 SSA 22.6
 EL1 367.0 EL2 142.7 ALF 76.49

LAUNCH DATE DEC 15 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 28.474 GAL -9.77 AZL 86.82 HCA 117.12 SMA 133.79 ECC .19654 INC 3.1780 V1 30.259
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.302 GAP -2.11 AZP 91.45 TAL 229.96 TAP 347.08 RCA 107.49 APO 160.08 V2 35.108
 RC 73.845 GL 16.73 GP 4.58 ZAL 149.69 ZAP 62.82 ETS 355.99 ZAE 170.92 ETE 343.67 ZAC 51.89 ETC 163.84 CLP -62.72

PLANETOCENTRIC CONIC

C3 29.220 VHL 5.406 DLA -5.59 RAL 287.74 RAD 6568.2 VEL 12.272 PTH 2.21 VMP 3.576 DPA -14.12 RAP 319.23 ECC 1.4809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 56 2133.22 -17.51 36.40 154.05 112.61 2 16 29 1533.2 -14.30 29.19
 90.00 12 15 30 5125.25 25.02 228.06 157.29 76.29 13 40 55 4525.2 22.89 220.04
 100.00 2 59 38 1879.34 -18.67 17.21 153.53 113.78 3 30 57 1279.3 -15.29 10.04
 100.00 13 39 29 4854.36 26.23 207.79 156.95 75.13 15 0 23 4254.4 23.93 199.75
 110.00 4 1 49 1684.62 -21.74 .87 151.98 117.05 4 29 54 1084.6 -17.94 353.81
 110.00 14 53 47 4621.85 29.50 189.05 155.86 71.89 16 10 49 4021.8 26.74 180.95

DIFFERENTIAL CORRECTIONS

TOE -.0523 TRA -.4903 TC3 .0383 BAU .0150
 RDE -.3323 RRA .0894 RC3 -.0010 FAU .14835
 FDE 1.2335 FRA -2.2437 FC3 -4.3954 BSP 412
 BDE .3364 BRA .4984 BC3 .0384 FSP -1462

MID-COURSE EXECUTION ACCURACY

SGT 526.8 SGR 364.9 SG3 473.2
 RRT -.1573 RRF -.3416 RTF .3391
 SGB 640.8 R23 .2441 R13 -.3750
 SG1 532.5 SG2 356.5 THA 168.64

ORBIT DETERMINATION ACCURACY

ST 166.2 SR 353.4 SS 462.7
 CRT .2565 CRS .9087 CST -.1590
 LSA 569.8 MSA 203.7 SSA 22.3
 EL1 356.6 EL2 159.2 ALF 81.39

LAUNCH DATE DEC 15 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 28.482 GAL -9.70 AZL 86.85 HCA 120.34 SMA 133.85 ECC .19515 INC 3.1502 V1 30.259
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.296 GAP -1.58 AZP 91.59 TAL 229.96 TAP 350.30 RCA 107.73 APO 159.97 V2 35.095
 RC 76.070 GL 16.72 GP 4.90 ZAL 149.68 ZAP 68.17 ETS 356.27 ZAE 174.53 ETE 339.95 ZAC 49.75 ETC 163.72 CLP -68.08

PLANETOCENTRIC CONIC

C3 28.773 VHL 5.364 DLA -5.59 RAL 287.77 RAD 6568.2 VEL 12.253 PTH 2.20 VMP 3.447 DPA -14.38 RAP 317.02 ECC 1.4735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 5 2129.16 -17.41 36.14 153.82 112.69 2 16 34 1529.2 -14.18 28.95
 90.00 12 15 33 5121.61 24.96 227.81 157.04 76.17 13 40 54 4521.6 22.81 219.79
 100.00 2 59 46 1875.28 -18.56 16.96 153.30 113.86 3 31 2 1275.3 -15.17 9.80
 100.00 13 39 32 4850.72 26.17 207.54 156.70 75.01 15 0 23 4250.7 23.86 199.50
 110.00 4 1 58 1680.59 -21.62 .63 151.75 117.15 4 29 58 1080.6 -17.80 353.57
 110.00 14 53 50 4618.17 29.42 188.79 155.60 71.75 16 10 48 4018.2 26.64 180.70

DIFFERENTIAL CORRECTIONS

TOE -.0239 TRA -.5461 TC3 -.0603 BAU .0240
 RDE -.3243 RRA .0962 RC3 .0161 FAU .15836
 FDE 1.3154 FRA -2.3879 FC3 -4.7646 BSP 720
 BDE .3252 BRA .5545 BC3 .0624 FSP -1581

MID-COURSE EXECUTION ACCURACY

SGT 590.2 SGR 361.9 SG3 508.7
 RRT -.2473 RRF -.3941 RTF .5170
 SGB 692.3 R23 .2047 R13 -.5486
 SG1 600.4 SG2 344.7 THA 167.04

ORBIT DETERMINATION ACCURACY

ST 177.7 SR 347.8 SS 479.2
 CRT .0547 CRS .9125 CST -.3487
 LSA 581.7 MSA 208.0 SSA 21.9
 EL1 348.0 EL2 177.3 ALF 87.84

LAUNCH DATE DEC 15 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 28.483 GAL -9.61 AZL 86.88 HCA 123.55 SMA 133.86 ECC .19390 INC 3.1205 V1 30.259
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.285 GAP -1.07 AZP 91.73 TAL 229.84 TAP 353.40 RCA 107.90 APO 159.81 V2 35.082
 RC 78.316 GL 16.70 GP 5.23 ZAL 149.60 ZAP 73.59 ETS 356.58 ZAE 178.15 ETE 319.82 ZAC 47.52 ETC 163.60 CLP -73.52

PLANETOCENTRIC CONIC

C3 28.318 VHL 5.321 DLA -5.60 RAL 287.87 RAD 6568.1 VEL 12.235 PTH 2.20 VMP 3.347 DPA -14.63 RAP 314.72 ECC 1.4660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 33 2124.94 -17.30 35.88 153.66 112.77 2 16 58 1524.9 -14.06 28.70
 90.00 12 15 54 5117.86 24.90 227.55 156.86 76.06 13 41 12 4517.9 22.74 219.55
 100.00 3 0 15 1871.08 -18.44 16.70 153.15 113.95 3 31 26 1271.1 -15.05 9.55
 100.00 13 39 54 4846.95 26.10 207.28 156.51 74.89 15 0 41 4247.0 23.77 199.26
 110.00 4 2 25 1676.41 -21.49 .37 151.59 117.25 4 30 22 1076.4 -17.66 353.33
 110.00 14 54 12 4614.39 29.34 188.52 155.41 71.61 16 11 7 4014.4 26.55 180.45

DIFFERENTIAL CORRECTIONS

TOE .0073 TRA -.6073 TC3 -.1706 BAU .0659
 RDE -.3155 RRA .1034 RC3 .0349 FAU .16721
 FDE 1.3766 FRA -2.5084 FC3 -5.1118 BSP 1145
 BDE .3156 BRA .6160 BC3 .1741 FSP -1700

MID-COURSE EXECUTION ACCURACY

SGT 681.6 SGR 359.6 SG3 540.7
 RRT -.3382 RRF -.4484 RTF .6522
 SGB 770.7 R23 .1684 R13 -.6750
 SG1 695.7 SG2 331.6 THA 166.84

ORBIT DETERMINATION ACCURACY

ST 197.3 SR 341.4 SS 491.3
 CRT -.1380 CRS .9156 CST -.5162
 LSA 593.0 MSA 211.3 SSA 21.9
 EL1 343.0 EL2 194.5 ALF 96.74

LAUNCH DATE DEC 15 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 273.246

RL 147.24 LAL -0.00 LOL 82.81 VL 28.478 GAL -9.52 AZL 86.91 HCA 126.77 SMA 133.82 ECC .19275 INC 3.0886 V1 30.259
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.270 GAP -.58 AZP 91.85 TAL 229.61 TAP 356.38 RCA 108.03 APO 159.61 V2 35.069
 RC 80.581 GL 16.66 GP 5.56 ZAL 149.46 ZAP 79.02 ETS 356.93 ZAE 177.56 ETE 192.31 ZAC 45.28 ETC 163.47 CLP -78.97

PLANETOCENTRIC CONIC

C3 27.850 VHL 5.277 DLA -5.61 RAL 288.05 RAD 6568.1 VEL 12.216 PTH 2.20 VHP 3.274 DPA -14.85 RAP 312.41 ECC 1.4503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 21 2120.50 -17.18 35.61 153.57 112.86 2 17 41 1520.5 -13.94 28.44
 90.00 12 16 34 5113.98 24.83 227.28 156.74 75.94 13 41 48 4514.0 22.66 219.29
 100.00 3 1 2 1866.66 -18.32 16.43 153.05 114.04 3 32 9 1266.7 -14.91 9.29
 100.00 13 40 34 4843.06 26.03 207.01 156.39 74.77 15 1 17 4243.1 23.69 199.00
 110.00 4 3 12 1672.02 -21.35 .11 151.50 117.35 4 31 4 1072.0 -17.51 353.08
 110.00 14 54 53 4610.47 29.25 188.25 155.29 71.47 16 11 43 4010.5 26.44 180.19

DIFFERENTIAL CORRECTIONS

TDE .0393 TRA -.6739 TC3 -.2929 BAU .1110
 ROE -.3061 RRA .1104 RC3 .0547 FAU .17390
 FDE 1.4258 FRA-2.5842 FC3-5.4058 BSP 1641
 BOE .3086 BRA .6829 BC3 .2980 FSP -1785

MID-COURSE EXECUTION ACCURACY

SGT 798.7 SGR 358.2 SG3 565.9
 RRT -.4214 RRF -.5044 RTF .7460
 SGB 875.4 R23 .1437 R13 -.7615
 SG1 815.5 SG2 318.2 THA 167.34

ORBIT DETERMINATION ACCURACY

ST 224.8 SR 334.3 SS 501.3
 CRT -.2947 CRS .9204 CST -.6377
 LSA 606.1 MSA 213.9 SSA 21.1
 EL1 344.9 EL2 208.3 ALF 107.95

LAUNCH DATE DEC 15 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 279.624

RL 147.24 LAL -0.00 LOL 82.81 VL 28.467 GAL -9.43 AZL 86.95 HCA 129.98 SMA 133.74 ECC .19170 INC 3.0538 V1 30.259
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.250 GAP -.12 AZP 91.96 TAL 229.28 TAP 359.26 RCA 108.10 APO 159.37 V2 35.056
 RC 82.862 GL 16.62 GP 5.90 ZAL 149.27 ZAP 84.40 ETS 357.33 ZAE 173.82 ETE 178.65 ZAC 43.10 ETC 163.36 CLP -84.37

PLANETOCENTRIC CONIC

C3 27.367 VHL 5.231 DLA -5.62 RAL 288.31 RAD 6568.1 VEL 12.196 PTH 2.19 VHP 3.225 DPA -15.01 RAP 310.14 ECC 1.4504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 28 2115.76 -17.05 35.32 153.54 112.95 2 18 44 1515.8 -13.80 28.15
 90.00 12 17 30 5110.02 24.77 227.01 156.68 75.82 13 42 40 4510.0 22.58 219.03
 100.00 3 2 9 1861.93 -18.19 16.14 153.02 114.14 3 33 11 1261.9 -14.77 9.01
 100.00 13 41 30 4839.07 25.96 206.74 156.34 74.64 15 2 9 4239.1 23.60 198.73
 110.00 4 4 18 1667.34 -21.20 359.82 151.48 117.46 4 32 5 1067.3 -17.36 352.81
 110.00 14 55 50 4606.43 29.17 187.97 155.23 71.33 16 12 36 4006.4 26.34 179.93

DIFFERENTIAL CORRECTIONS

TDE .0719 TRA -.7437 TC3 -.4248 BAU .1579
 ROE -.2959 RRA .1172 RC3 .0756 FAU .17856
 FDE 1.4513 FRA-2.6221 FC3-5.6485 BSP 2174
 BOE .3045 BRA .7528 BC3 .4315 FSP -1853

MID-COURSE EXECUTION ACCURACY

SGT 934.6 SGR 357.6 SG3 584.6
 RRT -.4973 RRF -.5599 RTF .8086
 SGB 1000.7 R23 .1267 R13 -.8191
 SG1 953.4 SG2 304.2 THA 167.99

ORBIT DETERMINATION ACCURACY

ST 258.2 SR 326.3 SS 506.8
 CRT -.4159 CRS .9250 CST -.7243
 LSA 619.0 MSA 215.4 SSA 20.6
 EL1 356.2 EL2 215.1 ALF 120.19

LAUNCH DATE DEC 15 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 285.970

RL 147.24 LAL -0.00 LOL 82.81 VL 28.451 GAL -9.33 AZL 86.98 HCA 133.19 SMA 133.62 ECC .19073 INC 3.0157 V1 30.259
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.226 GAP .33 AZP 92.06 TAL 228.84 TAP 2.03 RCA 108.13 APO 159.10 V2 35.043
 RC 85.157 GL 16.56 GP 6.24 ZAL 149.02 ZAP 89.65 ETS 357.77 ZAE 170.06 ETE 175.40 ZAC 41.01 ETC 163.28 CLP -89.65

PLANETOCENTRIC CONIC

C3 26.866 VHL 5.183 DLA -5.64 RAL 288.64 RAD 6568.1 VEL 12.175 PTH 2.19 VHP 3.200 DPA -15.12 RAP 307.98 ECC 1.4422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 55 2110.59 -16.92 35.00 153.57 113.05 2 20 5 1510.6 -13.65 27.85
 90.00 12 18 40 5106.01 24.70 226.74 156.69 75.70 13 43 46 4506.0 22.49 218.76
 100.00 3 3 35 1856.79 -18.04 15.82 153.05 114.25 3 34 32 1256.8 -14.62 8.71
 100.00 13 42 40 4835.04 25.89 206.46 156.34 74.51 15 3 15 4235.0 23.51 198.47
 110.00 4 5 43 1662.26 -21.04 359.51 151.50 117.58 4 33 25 1062.3 -17.18 352.51
 110.00 14 57 2 4602.33 29.08 187.68 155.23 71.18 16 13 44 4002.3 26.23 179.66

DIFFERENTIAL CORRECTIONS

TDE .1040 TRA -.8149 TC3 -.5646 BAU .2058
 ROE -.2847 RRA .1236 RC3 .0976 FAU .18110
 FDE 1.4528 FRA-2.6208 FC3-5.8359 BSP 2732
 BOE .3031 BRA .8242 BC3 .5729 FSP -1903

MID-COURSE EXECUTION ACCURACY

SGT 1084.0 SGR 357.9 SG3 596.4
 RRT -.5661 RRF -.6140 RTF .8500
 SGB 1141.6 R23 .1161 R13 -.8573
 SG1 1104.2 SG2 289.7 THA 168.62

ORBIT DETERMINATION ACCURACY

ST 295.4 SR 317.4 SS 508.0
 CRT -.5057 CRS .9294 CST -.7831
 LSA 631.7 MSA 216.0 SSA 20.2
 EL1 376.7 EL2 214.7 ALF 130.96

LAUNCH DATE DEC 15 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 292.284

RL 147.24 LAL -0.00 LOL 82.81 VL 28.431 GAL -9.22 AZL 87.03 HCA 136.40 SMA 133.46 ECC .18983 INC 2.9734 V1 30.259
 RP 108.18 LAP 2.03 LOP 219.25 VP 38.198 GAP .75 AZP 92.15 TAL 228.32 TAP 4.71 RCA 108.12 APO 158.79 V2 35.030
 RC 87.465 GL 16.48 GP 6.60 ZAL 148.72 ZAP 94.73 ETS 358.28 ZAE 166.40 ETE 173.93 ZAC 39.09 ETC 163.26 CLP -94.76

PLANETOCENTRIC CONIC

C3 26.347 VHL 5.133 DLA -5.67 RAL 289.03 RAD 6568.1 VEL 12.154 PTH 2.18 VHP 3.197 DPA -15.15 RAP 305.98 ECC 1.4336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 43 2104.86 -16.76 34.65 153.64 113.16 2 21 48 1504.9 -13.49 27.51
 90.00 12 20 2 5102.06 24.63 226.47 156.74 75.58 13 45 4 4502.1 22.41 218.50
 100.00 3 5 22 1851.10 -17.88 15.48 153.13 114.36 3 36 13 1251.1 -14.45 8.37
 100.00 13 44 3 4831.05 25.82 206.19 156.39 74.38 15 4 34 4231.0 23.42 198.20
 110.00 4 7 28 1656.67 -20.87 359.18 151.58 117.71 4 35 5 1056.7 -16.99 352.19
 110.00 14 58 27 4598.24 28.99 187.40 155.28 71.03 16 15 5 3998.2 26.12 179.39

DIFFERENTIAL CORRECTIONS

TDE .1346 TRA -.8862 TC3 -.7110 BAU .2540
 ROE -.2726 RRA .1294 RC3 .1205 FAU .18156
 FDE 1.4314 FRA-2.5825 FC3-5.9657 BSP 3308
 BOE .3040 BRA .8956 BC3 .7211 FSP -1933

MID-COURSE EXECUTION ACCURACY

SGT 1242.4 SGR 359.1 SG3 601.4
 RRT -.6284 RRF -.6658 RTF .8776
 SGB 1293.3 R23 .1105 R13 -.8830
 SG1 1263.8 SG2 274.7 THA 169.19

ORBIT DETERMINATION ACCURACY

ST 334.7 SR 307.4 SS 504.9
 CRT -.5715 CRS .9337 CST -.8226
 LSA 643.9 MSA 215.6 SSA 19.7
 EL1 403.4 EL2 209.3 ALF 139.23

LAUNCH DATE DEC 15 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 28.406 GAL -9.10 AZL 87.07 MCA 139.60 SMA 133.27 ECC .18899 INC 2.9258 V1 30.259
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.168 GAP 1.16 AZP 92.23 TAL 227.70 TAP 7.30 RCA 108.08 APO 158.46 V2 35.016
 RC 89.783 GL 16.37 GP 6.99 ZAL 148.37 ZAP 99.58 ETS 358.84 ZAE 162.91 ETE 173.02 ZAC 37.37 ETC 163.33 CLP -99.65

PLANETOCENTRIC CONIC
 C3 25.807 VHL 5.080 OLA -5.71 RAL 289.50 RAD 6568.0 VEL 12.132 PTH 2.17 VHP 3.211 OPA -15.08 RAP 304.20 ECC 1.4247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 54 2098.36 -16.59 34.25 153.77 113.28 2 23 52 1498.4 -13.30 27.12
 90.00 12 21 34 5098.30 24.57 226.21 156.85 75.46 13 46 32 4498.3 22.33 218.25
 100.00 3 7 32 1844.68 -17.70 15.09 153.25 114.49 3 38 17 1244.7 -14.25 7.99
 100.00 13 45 36 4827.22 25.75 205.92 156.50 74.26 15 6 3 4227.2 23.34 197.95
 110.00 4 9 36 1650.40 -20.67 358.80 151.71 117.85 4 37 6 1050.4 -16.78 351.83
 110.00 15 0 2 4594.26 28.90 187.12 155.39 70.89 16 16 37 3994.3 26.02 179.13

DIFFERENTIAL CORRECTIONS
 TOE .1632 TRA -.9559 TC3 -.8621 BAU .3015 SGT 1405.3 SGR 361.3 SG3 598.5 ST 374.4 SR 296.8 SS 500.2
 ROE -.2600 RRA .1343 RC3 .1440 FAU .17958 RRT -.6835 RRF -.7151 RTF .8960 CRT -.6202 CRS .9394 CST -.8471
 FDE 1.3999 FRA -2.5005 FC3 -6.0245 BSP 3886 SGB 1451.0 R23 .1110 R13 -.9001 LSA 657.3 MSA 214.7 SSA 19.1
 BOE .3069 BRA .9653 BC3 .8740 FSP -1923 SG1 1427.6 SG2 259.6 TMA 169.69 EL1 433.4 EL2 201.1 ALF 145.36

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 28.378 GAL -8.97 AZL 87.13 MCA 142.80 SMA 133.06 ECC .18820 INC 2.8715 V1 30.259
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.134 GAP 1.55 AZP 92.29 TAL 227.01 TAP 9.81 RCA 108.01 APO 158.10 V2 35.003
 RC 92.112 GL 16.23 GP 7.42 ZAL 147.99 ZAP 104.18 ETS 359.47 ZAE 159.61 ETE 172.33 ZAC 35.87 ETC 163.53 CLP -104.31

PLANETOCENTRIC CONIC
 C3 25.245 VHL 5.024 OLA -5.78 RAL 290.03 RAD 6568.0 VEL 12.109 PTH 2.17 VHP 3.243 OPA -14.92 RAP 302.65 ECC 1.4155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 32 2090.84 -16.39 33.80 153.93 113.42 2 26 23 1490.8 -13.08 26.68
 90.00 12 23 11 5094.95 24.51 225.98 157.02 75.36 13 48 6 4495.0 22.26 218.03
 100.00 3 10 8 1837.26 -17.49 14.63 153.42 114.63 3 40 45 1237.3 -14.02 7.56
 100.00 13 47 15 4823.76 25.68 205.69 156.67 74.15 15 7 39 4223.8 23.26 197.72
 110.00 4 12 7 1643.21 -20.44 358.37 151.88 118.02 4 39 30 1043.2 -16.53 351.42
 110.00 15 1 46 4590.58 28.81 186.87 155.55 70.76 16 18 17 3990.6 25.92 178.89

DIFFERENTIAL CORRECTIONS
 TOE .1884 TRA -1.0227 TC3 -1.0177 BAU .3482 SGT 1570.4 SGR 364.8 SG3 591.2 ST 413.2 SR 285.0 SS 490.5
 ROE -.2463 RRA .1387 RC3 .1692 FAU .17631 RRT -.7341 RRF -.7613 RTF .9087 CRT -.6562 CRS .9442 CST -.8639
 FDE 1.3447 FRA -2.3975 FC3 -6.0462 BSP 4471 SGB 1612.2 R23 .1145 R13 -.9121 LSA 668.4 MSA 213.0 SSA 18.6
 BOE .3101 BRA 1.0321 BC3 1.0317 FSP -1911 SG1 1593.6 SG2 244.1 TMA 170.09 EL1 464.0 EL2 191.5 ALF 150.04

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 106.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 28.346 GAL -8.84 AZL 87.19 MCA 146.00 SMA 132.81 ECC .18747 INC 2.8087 V1 30.259
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.099 GAP 1.92 AZP 92.33 TAL 226.24 TAP 12.23 RCA 107.92 APO 157.71 V2 34.990
 RC 94.449 GL 16.04 GP 7.90 ZAL 147.56 ZAP 108.51 ETS .20 ZAE 156.53 ETE 171.69 ZAC 34.61 ETC 163.90 CLP -108.70

PLANETOCENTRIC CONIC
 C3 24.659 VHL 4.966 OLA -5.88 RAL 290.63 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 3.288 OPA -14.64 RAP 301.37 ECC 1.4058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 41 2081.92 -16.14 33.25 154.15 113.58 2 29 23 1481.9 -12.82 26.15
 90.00 12 24 49 5092.31 24.47 225.80 157.24 75.28 13 49 41 4492.3 22.21 217.86
 100.00 3 13 14 1828.50 -17.24 14.10 153.63 114.80 3 43 43 1228.5 -13.76 7.05
 100.00 13 48 57 4820.97 25.63 205.49 156.89 74.06 15 9 18 4221.0 23.20 197.54
 110.00 4 15 6 1634.80 -20.17 357.86 152.09 118.20 4 42 21 1034.8 -16.24 350.94
 110.00 15 3 34 4587.43 28.74 186.65 155.77 70.65 16 20 1 3987.4 25.83 178.68

DIFFERENTIAL CORRECTIONS
 TOE .2103 TRA -1.0850 TC3 -1.1761 BAU .3931 SGT 1734.1 SGR 369.7 SG3 578.0 ST 450.1 SR 272.6 SS 479.3
 ROE -.2323 RRA .1420 RC3 .1955 FAU .17128 RRT -.7786 RRF -.8043 RTF .9172 CRT -.6836 CRS .9500 CST -.8731
 FDE 1.2835 FRA -2.2644 FC3 -6.0133 BSP 5035 SGB 1773.1 R23 .1234 R13 -.9201 LSA 679.6 MSA 211.2 SSA 17.8
 BOE .3133 BRA 1.0943 BC3 1.1923 FSP -1866 SG1 1758.2 SG2 228.8 TMA 170.41 EL1 494.1 EL2 181.3 ALF 153.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 28.311 GAL -8.70 AZL 87.27 MCA 149.20 SMA 132.55 ECC .18678 INC 2.7346 V1 30.259
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.061 GAP 2.28 AZP 92.35 TAL 225.41 TAP 14.60 RCA 107.80 APO 157.31 V2 34.977
 RC 96.794 GL 15.80 GP 8.47 ZAL 147.10 ZAP 112.55 ETS 1.04 ZAE 153.67 ETE 171.02 ZAC 33.59 ETC 164.51 CLP -112.82

PLANETOCENTRIC CONIC
 C3 24.049 VHL 4.904 OLA -6.03 RAL 291.30 RAD 6568.0 VEL 12.059 PTH 2.16 VHP 3.347 OPA -14.23 RAP 300.34 ECC 1.3958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 29 2071.07 -15.85 32.59 154.40 113.78 2 33 1 1471.1 -12.50 25.92
 90.00 12 26 21 5090.86 24.44 225.70 157.52 75.24 13 51 12 4490.9 22.18 217.76
 100.00 3 16 58 1817.88 -16.94 13.46 153.88 115.00 3 47 16 1217.9 -13.43 6.43
 100.00 13 50 33 4819.27 25.60 205.38 157.17 74.01 15 10 53 4219.3 23.16 197.43
 110.00 4 18 41 1624.71 -19.84 357.26 152.34 118.42 4 45 45 1024.7 -15.89 350.37
 110.00 15 5 21 4585.21 28.69 186.50 156.06 70.57 16 21 46 3985.2 25.78 178.53

DIFFERENTIAL CORRECTIONS
 TOE .2271 TRA -1.1425 TC3 -1.3388 BAU .4365 SGT 1896.4 SGR 377.0 SG3 562.4 ST 483.8 SR 259.2 SS 463.5
 ROE -.2175 RRA .1449 RC3 .2247 FAU .16556 RRT -.8188 RRF -.8437 RTF .9232 CRT -.7035 CRS .9549 CST -.8785
 FDE 1.2041 FRA -2.1221 FC3 -5.9599 BSP 5602 SGB 1933.5 R23 .1360 R13 -.9259 LSA 687.3 MSA 208.6 SSA 17.1
 BOE .3144 BRA 1.1517 BC3 1.3575 FSP -1824 SG1 1921.7 SG2 213.6 TMA 170.64 EL1 521.6 EL2 170.9 ALF 156.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 323.431

RL 147.24 LAL -.00 LOL 82.81 VL 28.274 GAL -8.56 AZL 87.35 MCA 152.39 SMA 132.27 ECC .18614 INC 2.6452 V1 30.259
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.021 GAP 2.63 AZP 92.34 TAL 224.50 TAP 16.90 RCA 107.65 APO 156.89 V2 34.964
 RC 99.145 GL 15.47 GP 9.17 ZAL 146.61 ZAP 116.30 ETS 2.04 ZAE 151.02 ETE 170.25 ZAC 32.80 ETC 165.40 CLP-116.67

PLANETOCENTRIC CONIC

C3 23.410 VML 4.838 DLA -6.25 RAL 292.05 RAD 6568.0 VEL 12.033 PTH 2.15 VMP 3.416 DPA -13.65 RAP 299.57 ECC 1.3853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 9 2057.49 -15.47 31.77 154.69 114.01 2 37 26 1457.5 -12.10 24.72
 90.00 12 27 38 5091.26 24.45 225.73 157.87 75.25 13 52 29 4491.3 22.19 217.79
 100.00 3 21 31 1804.66 -16.56 12.67 154.17 115.25 3 51 36 1204.7 -13.02 5.66
 100.00 13 51 57 4819.32 25.60 205.38 157.52 74.01 15 12 16 4219.3 23.16 197.43
 110.00 4 22 58 1612.27 -19.44 356.52 152.63 118.69 4 49 51 1012.3 -15.46 349.67
 110.00 15 6 59 4584.48 28.68 186.45 156.41 70.55 16 23 23 3984.5 25.76 178.49

DIFFERENTIAL CORRECTIONS

TOE .2391 TRA-1.1930 TC3-1.5044 BAU .4776
 ROE -.2024 RRA .1468 RC3 .2568 FAU .15872
 FDE 1.1224 FRA-1.9601 FC3-5.8698 BSP 6136
 BDE .3133 BRA 1.2020 BC3 1.5261 FSP -1758

MID-COURSE EXECUTION ACCURACY

SGT 2054.0 SGR 387.1 SG3 542.9
 RRT -.8531 RRF -.8793 RTF .9269
 SGB 2090.2 R23 .1553 R13 -.9295
 SG1 2080.7 SG2 199.4 THA 170.78

ORBIT DETERMINATION ACCURACY

ST 513.7 SR 245.5 SS 446.3
 CRT -.7183 CRS .9607 CST -.8787
 LSA 693.2 MSA 206.4 SSA 16.2
 EL1 546.2 EL2 160.6 ALF 159.17

LAUNCH DATE DEC 15 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 329.582

RL 147.24 LAL -.00 LOL 82.81 VL 28.234 GAL -8.40 AZL 87.47 MCA 155.59 SHA 131.98 ECC .18555 INC 2.5347 V1 30.259
 RP 108.43 LAP 1.05 LOP 238.42 VP 37.980 GAP 2.96 AZP 92.31 TAL 223.54 TAP 19.13 RCA 107.49 APO 156.46 V2 34.951
 RC 101.502 GL 15.01 GP 10.04 ZAL 146.11 ZAP 119.75 ETS 3.25 ZAE 148.57 ETE 169.31 ZAC 32.24 ETC 166.66 CLP-120.26

PLANETOCENTRIC CONIC

C3 22.739 VML 4.769 DLA -6.58 RAL 292.87 RAD 6567.9 VEL 12.005 PTH 2.14 VMP 3.496 DPA -12.85 RAP 299.03 ECC 1.3742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 58 2039.94 -14.98 30.72 155.01 114.31 2 42 58 1439.9 -11.58 23.70
 90.00 12 28 23 5094.63 24.51 225.96 158.30 75.35 13 53 18 4494.6 22.26 218.01
 100.00 3 27 10 1787.64 -16.06 11.65 154.50 115.56 3 56 58 1187.6 -12.49 4.68
 100.00 13 52 52 4822.16 25.65 205.58 157.95 74.10 15 13 14 4222.2 23.22 197.62
 110.00 4 28 15 1596.42 -18.92 355.59 152.95 119.02 4 54 51 996.4 -14.90 348.77
 110.00 15 8 16 4586.15 28.71 186.56 156.86 70.60 16 24 42 3986.2 25.80 178.60

DIFFERENTIAL CORRECTIONS

TOE .2428 TRA-1.2375 TC3-1.6775 BAU .5178
 ROE -.1865 RRA .1485 RC3 .2946 FAU .15175
 FDE 1.0226 FRA-1.7989 FC3-5.7775 BSP 6688
 BDE .3062 BRA 1.2463 BC3 1.7032 FSP -1701

MID-COURSE EXECUTION ACCURACY

SGT 2210.1 SGR 401.8 SG3 522.7
 RRT -.8826 RRF -.9109 RTF .9296
 SGB 2246.4 R23 .1799 R13 -.9321
 SG1 2238.6 SG2 186.5 THA 170.82

ORBIT DETERMINATION ACCURACY

ST 537.6 SR 230.6 SS 423.2
 CRT -.7257 CRS .9652 CST -.8755
 LSA 692.6 MSA 203.7 SSA 15.3
 EL1 565.2 EL2 150.9 ALF 161.33

LAUNCH DATE DEC 15 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 335.709

RL 147.24 LAL -.00 LOL 82.81 VL 28.192 GAL -8.24 AZL 87.61 MCA 158.78 SMA 131.67 ECC .18500 INC 2.3930 V1 30.259
 RP 108.46 LAP .87 LOP 241.60 VP 37.937 GAP 3.28 AZP 92.23 TAL 222.52 TAP 21.30 RCA 107.31 APO 156.03 V2 34.939
 RC 103.862 GL 14.37 GP 11.17 ZAL 145.60 ZAP 122.90 ETS 4.77 ZAE 146.28 ETE 168.11 ZAC 31.89 ETC 168.41 CLP-123.61

PLANETOCENTRIC CONIC

C3 22.028 VML 4.693 DLA -7.08 RAL 293.79 RAD 6567.9 VEL 11.975 PTH 2.13 VMP 3.587 DPA -11.75 RAP 298.69 ECC 1.3825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 27 2016.40 -14.32 29.31 155.39 114.69 2 50 4 1416.4 -10.87 22.33
 90.00 12 28 11 5102.78 24.65 226.52 158.84 75.60 13 53 14 4502.8 22.43 218.55
 100.00 3 34 25 1764.91 -15.39 10.29 154.86 115.95 4 3 50 1164.9 -11.77 3.37
 100.00 13 52 55 4829.50 25.79 206.08 158.50 74.33 15 13 25 4229.5 23.39 198.10
 110.00 4 34 55 1575.47 -18.22 354.37 153.31 119.44 5 1 11 975.5 -14.16 347.60
 110.00 15 8 54 4591.71 28.84 186.95 157.42 70.80 16 25 26 3991.7 25.95 178.96

DIFFERENTIAL CORRECTIONS

TOE .2386 TRA-1.2719 TC3-1.8557 BAU .5556
 ROE -.1704 RRA .1493 RC3 .3392 FAU .14404
 FDE .9178 FRA-1.6242 FC3-5.6611 BSP 7189
 BDE .2932 BRA 1.2806 BC3 1.8864 FSP -1623

MID-COURSE EXECUTION ACCURACY

SGT 2359.4 SGR 422.3 SG3 500.0
 RRT -.9037 RRF -.9378 RTF .9308
 SGB 2396.9 R23 .2122 R13 -.9334
 SG1 2390.4 SG2 176.7 THA 170.74

ORBIT DETERMINATION ACCURACY

ST 554.8 SR 215.4 SS 396.9
 CRT -.7274 CRS .9701 CST -.8669
 LSA 686.3 MSA 201.4 SSA 14.3
 EL1 578.0 EL2 141.9 ALF 163.19

LAUNCH DATE DEC 15 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 341.814

RL 147.24 LAL -.00 LOL 82.81 VL 28.148 GAL -8.07 AZL 87.80 MCA 161.96 SMA 131.35 ECC .18451 INC 2.2044 V1 30.259
 RP 108.50 LAP .68 LOP 244.79 VP 37.893 GAP 3.59 AZP 92.10 TAL 221.45 TAP 23.41 RCA 107.11 APO 155.58 V2 34.926
 RC 106.225 GL 13.44 GP 12.70 ZAL 145.12 ZAP 125.70 ETS 6.74 ZAE 144.09 ETE 166.52 ZAC 31.74 ETC 170.84 CLP-126.74

PLANETOCENTRIC CONIC

C3 21.269 VML 4.612 DLA -7.85 RAL 294.81 RAD 6567.9 VEL 11.944 PTH 2.13 VMP 3.690 DPA -10.23 RAP 298.52 ECC 1.3500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 32 1983.31 -13.37 27.34 155.81 115.20 2 59 36 1383.3 -9.87 20.42
 90.00 12 26 18 5118.94 24.92 227.62 159.54 76.09 13 51 37 4518.9 22.76 219.62
 100.00 3 44 6 1733.10 -14.43 8.42 155.28 116.47 4 12 59 1133.1 -10.76 1.55
 100.00 13 51 25 4844.39 26.06 207.10 159.21 74.81 15 12 10 4244.4 23.72 199.09
 110.00 4 43 43 1546.46 -17.24 352.69 153.71 119.98 5 9 29 946.5 -13.12 345.99
 110.00 15 8 18 4603.80 29.11 187.79 158.16 71.23 16 25 2 4003.8 26.27 179.75

DIFFERENTIAL CORRECTIONS

TOE .2188 TRA-1.2975 TC3-2.0474 BAU .5930
 ROE -.1528 RRA .1501 RC3 .3960 FAU .13630
 FDE .7878 FRA-1.4514 FC3-5.5479 BSP 7724
 BDE .2669 BRA 1.3061 BC3 2.0854 FSP -1556

MID-COURSE EXECUTION ACCURACY

SGT 2507.6 SGR 452.6 SG3 476.8
 RRT -.9230 RRF -.9598 RTF .9316
 SGB 2548.1 R23 .2492 R13 -.9344
 SG1 2542.3 SG2 171.7 THA 170.50

ORBIT DETERMINATION ACCURACY

ST 561.6 SR 198.3 SS 360.6
 CRT -.7163 CRS .9729 CST -.8521
 LSA 667.4 MSA 198.0 SSA 13.3
 EL1 580.3 EL2 133.9 ALF 164.99

LAUNCH DATE DEC 15 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 347.898

RL 147.24 LAL -.00 LOL 82.81 VL 28.103 GAL -7.89 AZL 88.06 MCA 165.15 SMA 131.01 ECC .18406 INC 1.9379 V1 30.259
 RP 108.54 LAP .50 LOP 247.97 VP 37.848 GAP 3.88 AZP 91.87 TAL 220.32 TAP 25.47 RCA 106.90 APO 155.13 V2 34.914
 RC 108.588 GL 12.02 GP 14.88 ZAL 144.70 ZAP 128.10 ETS 9.43 ZAE 141.90 ETE 164.30 ZAC 31.81 ETC 174.31 CLP-129.67

PLANETOCENTRIC CONIC

C3 20.446 VHL 4.522 OLA -9.09 RAL 295.99 RAD 6567.8 VEL 11.909 PTH 2.12 VHP 3.811 DPA -8.04 RAP 298.44 ECC 1.3365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 1 1933.90 -11.92 24.44 156.33 115.88 3 13 14 1333.9 -8.34 17.59
 90.00 12 21 14 5149.42 25.40 229.73 160.50 77.04 13 47 4 4549.4 23.36 221.65
 100.00 3 57 55 1685.80 -12.98 5.66 155.78 117.17 4 26 0 1085.8 -9.23 358.87
 100.00 13 47 1 4872.75 26.55 209.07 160.19 75.73 15 8 14 4272.8 24.33 200.97
 110.00 4 56 3 1503.77 -15.77 350.25 154.19 120.73 5 21 6 903.8 -11.58 343.65
 110.00 15 5 23 4627.55 29.62 189.45 159.19 72.09 16 22 30 4027.6 26.88 181.33

DIFFERENTIAL CORRECTIONS

TDE .1795 TRA-1.3073 TC3-2.2516 BAU .6288
 RDE -.1334 RRA .1497 RC3 .4707 FAU .12769
 FDE .6365 FRA-1.2625 FC3-5.4067 BSP 8204
 BDE .2237 BRA 1.3159 BC3 2.3003 FSP -1466

MID-COURSE EXECUTION ACCURACY

SGT 2648.1 SGR 496.6 SG3 450.5
 RRT -.9333 RRF -.9766 RTF .9313
 SGB 2694.3 R23 .2885 R13 -.9347
 SG1 2688.5 SG2 175.6 THA 170.03

ORBIT DETERMINATION ACCURACY

ST 555.7 SR 179.0 SS 313.8
 CRT -.6859 CRS .9741 CST -.8253
 LSA 633.8 MSA 193.4 SSA 12.4
 EL1 569.8 EL2 127.1 ALF 166.87

LAUNCH DATE DEC 15 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 353.961

RL 147.24 LAL -.00 LOL 82.81 VL 28.056 GAL -7.70 AZL 88.47 MCA 168.33 SMA 130.67 ECC .18367 INC 1.5302 V1 30.259
 RP 108.58 LAP .31 LOP 251.15 VP 37.803 GAP 4.17 AZP 91.50 TAL 219.15 TAP 27.49 RCA 106.67 APO 154.68 V2 34.903
 RC 110.951 GL 9.67 GP 18.19 ZAL 144.37 ZAP 129.88 ETS 13.32 ZAE 139.48 ETE 161.06 ZAC 32.17 ETC 179.48 CLP-132.44

PLANETOCENTRIC CONIC

C3 19.542 VHL 4.421 OLA -11.22 RAL 297.42 RAD 6567.8 VEL 11.871 PTH 2.11 VHP 3.966 DPA -4.71 RAP 298.33 ECC 1.3216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 56 1853.28 -9.48 19.77 157.07 116.81 3 34 49 1253.3 -5.81 13.02
 90.00 12 9 41 5208.52 26.24 233.85 161.98 78.94 13 36 29 4608.5 24.45 225.64
 100.00 4 19 38 1608.88 -10.55 1.25 156.50 118.13 4 46 27 1008.9 -6.71 354.57
 100.00 13 36 40 4927.98 27.42 212.94 161.70 77.60 14 58 48 4328.0 25.43 204.70
 110.00 5 15 6 1435.35 -13.35 346.42 154.85 121.76 5 39 1 835.4 -9.06 339.96
 110.00 14 57 41 4674.45 30.55 192.78 160.79 73.86 16 15 36 4074.4 28.04 184.49

DIFFERENTIAL CORRECTIONS

TDE .1004 TRA-1.2978 TC3-2.4807 BAU .6655
 RDE -.1076 RRA .1488 RC3 .5786 FAU .11818
 FDE .4289 FRA-1.0622 FC3-5.2352 BSP 8720
 BDE .1471 BRA 1.3063 BC3 2.5472 FSP -1374

MID-COURSE EXECUTION ACCURACY

SGT 2787.1 SGR 565.5 SG3 420.6
 RRT -.9373 RRF -.9884 RTF .9309
 SGB 2843.9 R23 .3205 R13 -.9351
 SG1 2837.3 SG2 193.6 THA 169.18

ORBIT DETERMINATION ACCURACY

ST 534.7 SR 152.1 SS 243.6
 CRT -.6084 CRS .9656 CST -.7840
 LSA 579.9 MSA 178.8 SSA 12.0
 EL1 543.1 EL2 118.9 ALF 169.68

LAUNCH DATE DEC 15 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 360.003

RL 147.24 LAL -.00 LOL 82.81 VL 28.008 GAL -7.51 AZL 89.18 MCA 171.51 SMA 130.33 ECC .18333 INC .8221 V1 30.259
 RP 108.61 LAP .12 LOP 254.32 VP 37.757 GAP 4.44 AZP 90.81 TAL 217.94 TAP 29.45 RCA 106.44 APO 154.22 V2 34.892
 RC 113.313 GL 5.31 GP 23.75 ZAL 144.13 ZAP 130.45 ETS 19.36 ZAE 136.21 ETE 156.04 ZAC 33.24 ETC 187.79 CLP-135.14

PLANETOCENTRIC CONIC

C3 18.575 VHL 4.310 OLA -15.29 RAL 299.34 RAD 6567.8 VEL 11.830 PTH 2.10 VHP 4.204 DPA .86 RAP 297.93 ECC 1.3057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 7 1700.69 -4.69 11.12 158.60 117.96 4 15 27 1100.7 -4.92 4.47
 90.00 11 41 51 5337.16 27.59 243.02 164.71 83.35 13 10 48 4737.2 26.38 234.56
 100.00 5 0 6 1465.16 -5.83 353.18 157.97 119.37 5 24 31 865.2 -1.87 346.62
 100.00 13 11 32 5047.92 28.87 221.56 164.52 81.90 14 35 40 4447.9 27.45 213.04
 110.00 5 49 45 1309.64 -8.75 339.59 156.18 123.18 6 11 35 709.6 -4.33 333.30
 110.00 14 38 23 4776.20 32.24 200.23 163.82 77.97 15 57 59 4176.2 30.25 191.58

DIFFERENTIAL CORRECTIONS

TDE -.0603 TRA-1.2501 TC3-2.7367 BAU .7044
 RDE -.0626 RRA .1438 RC3 .7466 FAU .10570
 FDE .1222 FRA -.8216 FC3-4.9266 BSP 9251
 BDE .0869 BRA 1.2583 BC3 2.8367 FSP -1246

MID-COURSE EXECUTION ACCURACY

SGT 2922.2 SGR 678.5 SG3 380.0
 RRT -.9345 RRF -.9956 RTF .9302
 SGB 3000.0 R23 .3386 R13 -.9362
 SG1 2990.7 SG2 235.9 THA 167.68

ORBIT DETERMINATION ACCURACY

ST 527.8 SR 104.1 SS 144.4
 CRT -.4631 CRS .8745 CST -.8177
 LSA 543.6 MSA 120.4 SSA 14.6
 EL1 530.1 EL2 91.9 ALF 174.62

LAUNCH DATE DEC 15 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 366.023

RL 147.24 LAL -.00 LOL 82.81 VL 27.959 GAL -7.30 AZL 90.72 MCA 174.68 SMA 129.98 ECC .18305 INC .7195 V1 30.259
 RP 108.64 LAP -.07 LOP 257.50 VP 37.710 GAP 4.71 AZP 89.28 TAL 216.68 TAP 31.37 RCA 106.19 APO 153.77 V2 34.881
 RC 115.673 GL -4.71 GP 34.61 ZAL 143.00 ZAP 127.78 ETS 29.41 ZAE 129.96 ETE 147.95 ZAC 36.77 ETC 202.21 CLP-138.11

PLANETOCENTRIC CONIC

C3 17.993 VHL 4.242 OLA -24.85 RAL 302.80 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 4.743 DPA 11.62 RAP 296.40 ECC 1.2961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 44 1273.10 8.96 347.12 165.06 116.97 6 16 57 673.1 12.51 340.23
 90.00 10 0 49 5749.87 27.19 273.02 171.11 98.24 11 36 39 5149.9 28.05 264.46
 100.00 6 54 46 1082.50 7.07 332.09 164.03 119.12 7 12 49 482.5 10.90 325.40
 100.00 11 44 28 5415.69 29.32 248.74 171.41 96.10 13 14 44 4815.7 29.86 239.98
 110.00 7 20 23 1002.14 2.93 323.45 161.48 124.07 7 37 6 402.1 7.38 317.19
 110.00 13 35 21 5088.82 34.17 222.76 171.77 91.11 14 59 49 4468.8 33.94 213.52

DIFFERENTIAL CORRECTIONS

TDE -.4551 TRA-1.1049 TC3-2.9472 BAU .7490
 RDE .0614 RRA .1165 RC3 1.0053 FAU .08425
 FDE -.3850 FRA -.4812 FC3-4.0539 BSP 9835
 BDE .4593 BRA 1.1110 BC3 3.1139 FSP -1008

MID-COURSE EXECUTION ACCURACY

SGT 3055.2 SGR 874.2 SG3 306.8
 RRT -.9242 RRF -.9986 RTF .9306
 SGB 3177.9 R23 .3374 R13 -.9401
 SG1 3161.4 SG2 322.7 THA 165.03

ORBIT DETERMINATION ACCURACY

ST 791.9 SR 101.2 SS 234.4
 CRT -.9806 CRS .9838 CST -.9569
 LSA 829.2 MSA 66.9 SSA 11.6
 EL1 798.1 EL2 19.7 ALF 172.85

LAUNCH DATE DEC 15 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 372.011

RL 147.24 LAL -.00 LOL 82.81 VL 27.909 GAL -7.09 AZL 96.78 MCA 177.84 SMA 129.62 ECC .18279 INC 6.7758 V1 30.259
 RP 108.68 LAP -.25 LOP 260.67 VP 37.664 GAP 4.96 AZP 83.23 TAL 215.38 TAP 33.22 RCA 105.93 APO 153.32 V2 34.870
 RC 118.029 GL -37.35 GP 60.76 ZAL 127.47 ZAP 113.93 ETS 47.31 ZAE 111.57 ETE 139.09 ZAC 51.10 ETC 227.53 CLP-146.13

PLANETOCENTRIC CONIC

C3 29.026 VML 5.388 DLA -55.31 RAL 319.30 RAD 6568.2 VEL 12.264 PTH 2.21 VMP 7.584 DPA 36.95 RAP 288.43 ECC 1.4777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.28 4 32 22 1788.14 31.07 45.43 204.63 138.36 5 2 10 1188.1 36.88 39.21
 139.72 13 35 48 5467.00 31.08 253.85 204.63 138.35 15 6 55 4867.0 36.89 247.63
 40.28 4 32 22 1788.14 31.07 45.43 204.63 138.36 5 2 10 1188.1 36.88 39.21
 139.72 13 35 48 5467.00 31.08 253.85 204.63 138.35 15 6 55 4867.0 36.89 247.63
 40.28 4 32 22 1788.14 31.07 45.43 204.63 138.36 5 2 10 1188.1 36.88 39.21
 139.72 13 35 48 5467.00 31.08 253.85 204.63 138.35 15 6 55 4867.0 36.89 247.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2710 TRA -.4050 TC3 -1.8166 BAU .7612 SGT 3199.5 SGR 1092.4 SG3 147.0 ST 2426.5 SR 717.6 SS 795.4
 RDE .6716 RRA -.1164 RC3 .7401 FAU .03695 RRT -.8930 RRF -.9888 RTF .9499 CRT -.9829 CRS .9980 CST -.9927
 FDE-1.1404 FRA .0594 FC3-1.1021 BSP 10289 SGB 3580.9 R23 .2705 R13 -.9626 LSA 2648.2 MSA 150.3 SSA .7
 BDE 2.3682 BRA .4214 BC3 1.9615 FSP -472 SG1 3348.1 SG2 469.8 THA 162.69 EL1 2527.2 EL2 126.7 ALF 163.75

LAUNCH DATE DEC 15 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 378.105

RL 147.24 LAL -.00 LOL 82.81 VL 27.858 GAL -6.89 AZL 66.74 MCA 181.12 SMA 129.27 ECC .18288 INC23.2598 V1 30.259
 RP 108.71 LAP -.44 LOP 263.84 VP 37.617 GAP 5.25 AZP 113.26 TAL 214.12 TAP 35.24 RCA 105.63 APO 152.91 V2 34.860
 RC 120.382 GL 62.04 GP -75.55 ZAL 104.89 ZAP 104.36 ETS 262.86 ZAE 90.68 ETE 181.07 ZAC 89.82 ETC 80.96 CLP-173.62

PLANETOCENTRIC CONIC

C3 152.902 VML 12.365 DLA 43.59 RAL 299.52 RAD 6570.7 VEL 16.560 PTH 2.88 VMP 13.161 DPA -79.74 RAP 107.93 ECC 3.5164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.37 16 1 50 4693.74 -8.81 216.00 200.17 47.14 17 20 4 4093.7 -14.19 210.38
 124.63 23 24 40 3327.19 -8.79 110.68 200.16 47.14 24 20 8 2727.2 -14.18 105.06
 55.37 16 1 50 4693.74 -8.81 216.00 200.17 47.14 17 20 4 4093.7 -14.19 210.38
 124.63 23 24 40 3327.19 -8.79 110.68 200.16 47.14 24 20 8 2727.2 -14.18 105.06
 55.37 16 1 50 4693.74 -8.81 216.00 200.17 47.14 17 20 4 4093.7 -14.19 210.38
 124.63 23 24 40 3327.19 -8.79 110.68 200.16 47.14 24 20 8 2727.2 -14.18 105.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 5.7759 TRA-2.4121 TC3 -.1460 BAU .3021 SGT 3110.3 SGR 1704.1 SG3 76.9 ST 2716.1 SR 1211.9 SS 912.9
 RDE-2.4862 RRA 1.9609 RC3 .0228 FAU .00969 RRT -.9507 RRF -.9206 RTF .9962 CRT -.9896 CRS .9849 CST -.9996
 FDE 1.7153 FRA -.5900 FC3 -.0549 BSP 10475 SGB 3546.5 R23 -.1556 R13 -.9877 LSA 3106.7 MSA 166.3 SSA .6
 BDE 6.2882 BRA 3.1086 BC3 .1478 FSP -251 SG1 3515.6 SG2 467.3 THA 151.95 EL1 2969.9 EL2 159.6 ALF 156.10

LAUNCH DATE DEC 15 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 384.029

RL 147.24 LAL -.00 LOL 82.81 VL 27.807 GAL -6.66 AZL 81.49 MCA 184.24 SMA 128.91 ECC .18269 INC 8.5072 V1 30.259
 RP 108.74 LAP -.63 LOP 267.01 VP 37.570 GAP 5.48 AZP 88.49 TAL 212.73 TAP 36.97 RCA 105.36 APO 152.46 V2 34.851
 RC 122.731 GL 43.92 GP -38.79 ZAL 121.26 ZAP 129.66 ETS 315.07 ZAE 120.78 ETE 210.40 ZAC 63.12 ETC 127.31 CLP-144.97

PLANETOCENTRIC CONIC

C3 34.703 VML 5.891 DLA 24.00 RAL 298.13 RAD 6568.4 VEL 12.493 PTH 2.26 VMP 5.359 DPA -59.69 RAP 318.27 ECC 1.5711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 54 25 3217.70 -25.85 111.98 178.37 78.01 22 48 2 2617.7 -27.24 105.59
 90.00 17 20 58 4127.29 -2.31 167.92 169.57 61.77 18 29 45 3527.3 -6.06 161.26
 100.00 23 35 32 2891.64 -28.14 88.50 178.88 79.47 24 23 44 2291.6 -29.30 79.89
 100.00 18 22 31 3928.58 -.27 152.19 168.43 60.11 19 28 0 3328.6 -4.24 145.66
 110.00 1 26 49 2555.81 -33.53 63.97 179.86 82.91 2 9 24 1955.8 -34.14 54.78
 110.00 18 51 40 3837.17 4.37 142.38 165.55 56.06 19 55 37 3237.2 -.12 136.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1005 TRA-2.0376 TC3-1.5750 BAU .7421 SGT 3510.4 SGR 490.5 SG3 243.5 ST 2144.8 SR 363.8 SS 895.8
 RDE .3739 RRA -.0029 RC3 -.2793 FAU .06289 RRT .7901 RRF .9458 RTF .9455 CRT .9536 CRS -.9900 CST -.9866
 FDE 1.9679 FRA -.8716 FC3-1.5690 BSP 10680 SGB 3544.5 R23 .3154 R13 .9485 LSA 2346.7 MSA 168.1 SSA .9
 BDE 2.1335 BRA 2.0376 BC3 1.5996 FSP -810 SG1 3531.9 SG2 298.9 THA 6.34 EL1 2172.8 EL2 108.1 ALF 9.21

LAUNCH DATE DEC 15 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 389.981

RL 147.24 LAL -.00 LOL 82.81 VL 27.755 GAL -6.42 AZL 83.70 MCA 187.41 SMA 128.55 ECC .18267 INC 6.3005 V1 30.259
 RP 108.76 LAP -.81 LOP 270.17 VP 37.524 GAP 5.71 AZP 96.25 TAL 211.33 TAP 38.73 RCA 105.07 APO 152.03 V2 34.842
 RC 125.075 GL 36.51 GP -23.92 ZAL 125.27 ZAP 139.00 ETS 326.79 ZAE 128.43 ETE 202.13 ZAC 54.02 ETC 136.61 CLP-145.65

PLANETOCENTRIC CONIC

C3 25.877 VML 5.087 DLA 16.87 RAL 300.27 RAD 6568.0 VEL 12.135 PTH 2.17 VMP 4.743 DPA -44.87 RAP 314.17 ECC 1.4259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 28 39 2830.97 -28.27 84.09 172.48 91.68 24 15 50 2231.0 -27.74 75.46
 90.00 16 3 49 4367.04 5.40 181.32 164.63 62.16 17 16 36 3767.0 1.64 174.67
 100.00 1 3 32 2537.65 -29.76 62.44 172.41 93.00 1 45 50 1937.6 -29.02 53.71
 100.00 17 15 33 4135.59 6.71 163.60 163.92 60.80 18 24 28 3535.6 2.77 157.03
 110.00 2 33 0 2257.75 -33.62 40.80 172.04 96.55 3 10 37 1657.7 -32.35 31.80
 110.00 18 2 34 3988.26 10.04 150.40 161.89 57.15 19 9 3 3388.3 5.64 144.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.5294 TRA-1.8355 TC3-2.2697 BAU .7887 SGT 3601.0 SGR 313.6 SG3 304.1 ST 1841.8 SR 225.0 SS 834.9
 RDE .1996 RRA .0180 RC3 -.2139 FAU .07980 RRT .7474 RRF .9272 RTF .9349 CRT .9257 CRS -.9851 CST -.9768
 FDE 1.7887 FRA -.8279 FC3-2.6698 BSP 11235 SGB 3614.6 R23 .3404 R13 .9362 LSA 2026.7 MSA 180.5 SSA 2.4
 BDE 1.5424 BRA 1.8356 BC3 2.2798 FSP -1021 SG1 3608.6 SG2 207.9 THA 3.74 EL1 1853.6 EL2 84.6 ALF 6.47

LAUNCH DATE DEC 15 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 395.922

RL 147.24 LAL -.00 LOL 82.81 VL 27.703 GAL -6.18 AZL 84.59 MCA 190.58 SMA 128.19 ECC .18274 INC 5.4112 V1 30.259
 RP 108.79 LAP -.99 LOP 273.34 VP 37.478 GAP 5.95 AZP 95.32 TAL 209.90 TAP 40.48 RCA 104.77 APO 151.62 V2 34.834
 RC 127.413 GL 33.01 GP -16.85 ZAL 126.19 ZAP 143.46 ETS 333.55 ZAE 130.75 ETE 196.46 ZAC 50.94 ETC 142.47 CLP-147.09

PLANETOCENTRIC CONIC

C3 22.728 VHL 4.767 DLA 13.72 RAL 302.15 RAD 6567.9 VEL 12.004 PTH 2.14 VHP 4.651 DPA -37.63 RAP 313.82 ECC 1.3741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 9 12 2685.77 -27.53 73.54 170.51 96.91 0 53 58 2085.8 -26.28 65.09
 90.00 15 42 9 4448.58 7.97 185.94 164.15 62.74 16 56 18 3848.6 4.26 179.23
 100.00 1 37 46 2400.15 -28.84 52.33 170.31 98.24 2 17 46 1800.1 -27.40 43.82
 100.00 16 56 17 4209.44 9.14 167.73 163.53 61.42 18 6 26 3609.4 5.25 161.10
 110.00 3 2 13 2135.89 -32.29 31.55 169.60 101.87 3 37 49 1535.9 -30.32 22.89
 110.00 17 48 19 4046.46 12.17 153.56 161.72 57.81 18 55 45 3446.5 7.83 147.15

DIFFERENTIAL CORRECTIONS

TDE 1.3280 TRA-1.7368 TC3-2.6893 BAU .8180
 RDE .1360 RRA .0337 RC3 -.1209 FAU .08274
 FDE 1.5997 FRA -.7125 FC3-3.1516 BSP 11603
 BDE 1.3349 BRA 1.7371 BC3 2.6921 FSP -1064

MID-COURSE EXECUTION ACCURACY

SGT 3706.6 SGR 204.3 SG3 317.5
 RRT .6163 RRF .8309 RTF .9300
 SGB 3712.2 R23 .3258 R13 .9305
 SG1 3708.8 SG2 160.8 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 1722.9 SR 163.9 SS 780.7
 CRT .8958 CRS -.9771 CST -.9697
 LSA 1889.4 MSA 186.8 SSA 3.8
 EL1 1729.2 EL2 72.6 ALF 4.88

LAUNCH DATE DEC 15 1965

FLIGHT TIME 136.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 401.850

RL 147.24 LAL -.00 LOL 82.81 VL 27.651 GAL -5.93 AZL 85.07 MCA 193.74 SMA 127.84 ECC .18290 INC 4.9287 V1 30.259
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.432 GAP 6.17 AZP 94.79 TAL 208.45 TAP 42.19 RCA 104.45 APO 151.22 V2 34.826
 RC 129.747 GL 31.06 GP -12.85 ZAL 125.95 ZAP 146.33 ETS 337.78 ZAE 131.50 ETE 192.80 ZAC 50.08 ETC 146.51 CLP-148.61

PLANETOCENTRIC CONIC

C3 20.977 VHL 4.580 DLA 12.16 RAL 303.91 RAD 6567.9 VEL 11.931 PTH 2.12 VHP 4.675 DPA -33.35 RAP 314.47 ECC 1.3452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 44 2612.88 -26.82 68.32 170.13 99.44 1 13 16 2012.9 -25.24 60.01
 90.00 15 35 44 4482.72 9.03 187.89 164.64 63.05 16 50 27 3882.7 5.35 181.15
 100.00 1 57 17 2330.51 -28.05 47.30 169.88 100.77 2 36 7 1730.5 -26.28 38.95
 100.00 16 50 52 4240.31 10.14 169.48 164.05 61.73 18 1 33 3640.3 6.28 162.81
 110.00 3 19 33 2073.09 -31.32 26.91 169.04 104.46 3 54 6 1473.1 -29.02 18.47
 110.00 17 45 5 4070.50 13.04 154.88 162.34 58.12 18 52 56 3470.5 8.73 148.44

DIFFERENTIAL CORRECTIONS

TDE 1.2365 TRA-1.6687 TC3-3.0093 BAU .8440
 RDE .1112 RRA .0396 RC3 -.0464 FAU .08160
 FDE 1.4583 FRA -.5962 FC3-3.3676 BSP 11960
 BDE 1.2415 BRA 1.6692 BC3 3.0097 FSP -1059

MID-COURSE EXECUTION ACCURACY

SGT 3814.6 SGR 154.0 SG3 316.6
 RRT .3815 RRF .6135 RTF .9268
 SGB 3817.7 R23 .2806 R13 .9270
 SG1 3815.1 SG2 142.3 THA .88

ORBIT DETERMINATION ACCURACY

ST 1676.3 SR 139.9 SS 743.7
 CRT .8762 CRS -.9720 CST -.9644
 LSA 1829.2 MSA 190.8 SSA 5.2
 EL1 1680.8 EL2 67.2 ALF 4.19

LAUNCH DATE DEC 15 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 407.764

RL 147.24 LAL -.00 LOL 82.81 VL 27.598 GAL -5.67 AZL 85.38 MCA 196.91 SMA 127.48 ECC .18314 INC 4.6244 V1 30.259
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.386 GAP 6.40 AZP 94.43 TAL 206.97 TAP 43.88 RCA 104.13 APO 150.83 V2 34.819
 RC 132.074 GL 29.87 GP -10.30 ZAL 125.14 ZAP 148.52 ETS 340.64 ZAE 131.67 ETE 190.32 ZAC 50.24 ETC 149.48 CLP-150.09

PLANETOCENTRIC CONIC

C3 19.773 VHL 4.447 DLA 11.38 RAL 305.66 RAD 6567.8 VEL 11.881 PTH 2.11 VHP 4.740 DPA -30.47 RAP 315.59 ECC 1.3254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 10 2572.85 -26.34 65.49 170.50 100.78 1 26 3 1972.9 -24.59 57.26
 90.00 15 36 15 4494.52 9.40 188.56 165.49 63.16 16 51 9 3894.5 5.72 181.81
 100.00 2 10 15 2292.00 -27.53 44.56 170.23 102.13 2 48 27 1692.0 -25.58 36.50
 100.00 16 51 51 4250.59 10.47 170.06 164.92 61.84 18 2 41 3650.6 6.63 163.38
 110.00 3 31 29 2037.78 -30.69 24.35 169.33 105.85 4 5 27 1437.8 -28.21 16.03
 110.00 17 47 6 4077.58 13.29 155.27 163.26 58.21 18 55 3 3477.6 8.99 148.81

DIFFERENTIAL CORRECTIONS

TDE 1.1927 TRA-1.6109 TC3-3.2870 BAU .8689
 RDE .1021 RRA .0400 RC3 .0119 FAU .07910
 FDE 1.3522 FRA -.4883 FC3-3.4632 BSP 12334
 BDE 1.1970 BRA 1.6114 BC3 3.2870 FSP -1040

MID-COURSE EXECUTION ACCURACY

SGT 3923.0 SGR 142.1 SG3 310.7
 RRT .1072 RRF .3185 RTF .9243
 SGB 3925.6 R23 .2206 R13 .9243
 SG1 3923.0 SG2 141.2 THA .22

ORBIT DETERMINATION ACCURACY

ST 1665.2 SR 132.5 SS 718.9
 CRT .8708 CRS -.9723 CST -.9606
 LSA 1808.2 MSA 193.7 SSA 6.5
 EL1 1669.2 EL2 65.0 ALF 3.97

LAUNCH DATE DEC 15 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 413.665

RL 147.24 LAL -.00 LOL 82.81 VL 27.546 GAL -5.40 AZL 85.59 MCA 200.08 SMA 127.13 ECC .18348 INC 4.4141 V1 30.259
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.342 GAP 6.62 AZP 94.15 TAL 205.46 TAP 45.54 RCA 103.80 APO 150.45 V2 34.812
 RC 134.395 GL 29.09 GP -8.55 ZAL 123.98 ZAP 150.37 ETS 342.68 ZAE 131.61 ETE 188.55 ZAC 50.96 ETC 151.78 CLP-151.53

PLANETOCENTRIC CONIC

C3 18.846 VHL 4.341 DLA 11.07 RAL 307.44 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 4.823 DPA -28.33 RAP 316.96 ECC 1.3102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 50 2551.04 -26.06 63.95 171.30 101.50 1 35 21 1951.0 -24.21 55.77
 90.00 15 40 43 4493.62 9.37 188.51 166.55 63.16 16 55 37 3893.6 5.69 181.76
 100.00 2 19 44 2270.78 -27.22 43.06 171.02 102.86 2 57 34 1670.8 -25.18 34.85
 100.00 16 56 30 4249.10 10.42 169.98 166.00 61.83 18 7 19 3649.1 6.58 163.30
 110.00 3 40 34 2017.84 -30.31 22.93 170.09 106.62 4 14 11 1417.8 -27.74 14.68
 110.00 17 52 10 4074.81 13.19 155.12 164.37 58.18 19 0 5 3474.8 8.89 148.66

DIFFERENTIAL CORRECTIONS

TDE 1.1715 TRA-1.5588 TC3-3.5510 BAU .8948
 RDE .1003 RRA .0371 RC3 .0586 FAU .07638
 FDE 1.2655 FRA -.3948 FC3-3.5087 BSP 12795
 BDE 1.1758 BRA 1.5592 BC3 3.5515 FSP -1027

MID-COURSE EXECUTION ACCURACY

SGT 4036.2 SGR 150.4 SG3 303.7
 RRT -.0938 RRF .0748 RTF .9226
 SGB 4039.0 R23 -.1622 R13 -.9226
 SG1 4036.2 SG2 149.7 THA 179.80

ORBIT DETERMINATION ACCURACY

ST 1671.8 SR 133.2 SS 700.1
 CRT .8760 CRS -.9764 CST -.9580
 LSA 1806.8 MSA 195.2 SSA 7.9
 EL1 1675.8 EL2 64.1 ALF 4.00

LAUNCH DATE DEC 15 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 419.549

RL 147.24 LAL -.00 LOL 82.81 VL 27.493 GAL -5.13 AZL 85.74 HCA 203.24 SMA 126.77 ECC .18393 INC 4.2589 V1 30.259
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.297 GAP 6.84 AZP 93.91 TAL 203.94 TAP 47.18 RCA 103.46 APO 150.09 V2 34.806
 RC 136.709 GL 28.57 GP -7.28 ZAL 122.58 ZAP 152.02 ETS 344.20 ZAE 131.45 ETE 187.24 ZAC 52.01 ETC 153.65 CLP-152.91

PLANETOCENTRIC CONIC

C3 18.086 VHL 4.253 DLA 11.05 RAL 309.25 RAO 6567.7 VEL 11.810 PTM 2.09 VHP 4.915 DPA -26.63 RAP 318.30 ECC 1.2977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 16 2540.67 -25.91 63.23 172.39 101.83 1 42 36 1940.7 -24.02 55.07
 90.00 15 47 47 4484.70 9.09 188.00 167.78 63.07 17 2 32 3884.7 5.41 181.26
 100.00 2 27 9 2260.45 -27.06 42.33 172.11 103.21 3 4 49 1660.5 -24.97 34.15
 100.00 17 3 35 4240.15 10.14 169.47 167.23 61.73 18 14 15 3640.1 6.28 162.80
 110.00 3 47 57 2007.60 -30.11 22.20 171.17 107.01 4 21 25 1407.6 -27.49 13.99
 110.00 17 59 16 4065.76 12.87 154.62 165.61 58.05 19 7 2 3465.8 8.55 148.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1337 TRA-1.5377 TC3-3.8757 BAU .9374 SGT 4201.9 SGR 164.1 SG3 302.1 ST 1656.4 SR 137.2 SS 659.2
 RDE .1014 RRA .0311 RC3 .0944 FAU .07609 RRT -.2121 RRF -.1038 RTF .9272 CRT .8812 CRS -.9790 CST -.9566
 FDE 1.1447 FRA -.3640 FC3-3.6420 BSP 14044 SGB 4205.1 R23 -.0954 R13 -.9272 LSA 1778.0 MSA 188.9 SSA 9.7
 BDE 1.1382 BRA 1.5381 BC3 3.8769 FSP -1123 SGI 4202.0 SG2 160.3 THA 179.52 EL1 1660.8 EL2 64.7 ALF 4.18

LAUNCH DATE DEC 15 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 425.431

RL 147.24 LAL -.00 LOL 82.81 VL 27.441 GAL -4.84 AZL 85.86 HCA 206.41 SMA 126.43 ECC .18445 INC 4.1392 V1 30.259
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.254 GAP 7.05 AZP 93.71 TAL 202.38 TAP 48.79 RCA 103.11 APO 149.75 V2 34.801
 RC 139.015 GL 28.21 GP -6.32 ZAL 120.97 ZAP 153.51 ETS 345.37 ZAE 131.27 ETE 186.23 ZAC 53.31 ETC 155.20 CLP-154.22

PLANETOCENTRIC CONIC

C3 17.433 VHL 4.175 DLA 11.24 RAL 311.15 RAO 6567.7 VEL 11.782 PTM 2.08 VHP 5.012 DPA -25.20 RAP 320.17 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 13 2538.55 -25.88 63.08 173.73 101.90 1 48 32 1938.5 -23.98 54.92
 90.00 15 56 56 4469.72 8.63 187.14 169.15 62.93 17 11 26 3869.7 4.93 180.42
 100.00 2 33 13 2257.96 -27.02 42.16 173.45 103.29 3 10 51 1658.0 -24.92 33.99
 100.00 17 12 37 4225.53 9.66 168.64 168.60 61.57 18 23 3 3625.5 5.79 161.99
 110.00 3 54 16 2004.33 -30.04 21.96 172.51 107.13 4 27 41 1404.3 -27.41 13.77
 110.00 18 8 4 4051.93 12.37 153.86 167.00 57.88 19 15 35 3451.9 8.04 147.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2014 TRA-1.4194 TC3-3.9880 BAU .9300 SGT 4213.3 SGR 187.5 SG3 283.7 ST 1755.8 SR 147.3 SS 700.1
 RDE .1070 RRA .0269 RC3 .1321 FAU .06868 RRT -.2532 RRF -.1418 RTF .9154 CRT .9087 CRS -.9893 CST -.9560
 FDE 1.1751 FRA -.1875 FC3-3.4108 BSP 13064 SGB 4217.5 R23 -.0934 R13 -.9154 LSA 1885.4 MSA 199.5 SSA 10.2
 BDE 1.2061 BRA 1.4196 BC3 3.9902 FSP -914 SGI 4213.6 SG2 181.4 THA 179.35 EL1 1760.9 EL2 61.3 ALF 4.37

LAUNCH DATE DEC 15 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 431.294

RL 147.24 LAL -.00 LOL 82.81 VL 27.388 GAL -4.55 AZL 85.96 HCA 209.57 SMA 126.08 ECC .18510 INC 4.0435 V1 30.259
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.211 GAP 7.27 AZP 93.52 TAL 200.81 TAP 50.38 RCA 102.74 APO 149.42 V2 34.797
 RC 141.312 GL 27.95 GP -5.57 ZAL 119.21 ZAP 154.90 ETS 346.30 ZAE 131.07 ETE 185.43 ZAC 54.77 ETC 156.52 CLP-155.48

PLANETOCENTRIC CONIC

C3 16.869 VHL 4.107 DLA 11.58 RAL 313.11 RAO 6567.7 VEL 11.758 PTM 2.08 VHP 5.114 DPA -23.95 RAP 321.93 ECC 1.2776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 13 2542.36 -25.94 63.35 175.26 101.78 1 53 35 1942.4 -24.05 55.18
 90.00 16 7 36 4450.73 8.04 186.06 170.66 62.76 17 21 47 3850.7 4.33 179.35
 100.00 2 38 25 2261.12 -27.07 42.38 174.98 103.19 3 16 6 1661.1 -24.99 34.20
 100.00 17 23 5 4207.20 9.07 167.61 170.11 61.39 18 33 13 3607.2 5.18 160.98
 110.00 3 59 55 2006.09 -30.08 22.09 174.06 107.06 4 33 21 1406.1 -27.45 13.88
 110.00 18 18 5 4035.00 11.75 152.94 168.51 57.67 19 25 20 3435.0 7.40 146.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2192 TRA-1.3539 TC3-4.2219 BAU .9528 SGT 4317.1 SGR 206.4 SG3 275.8 ST 1799.4 SR 156.8 SS 696.1
 RDE .1122 RRA .0197 RC3 .1603 FAU .06578 RRT -.2742 RRF -.1874 RTF .9143 CRT .9248 CRS -.9934 CST -.9562
 FDE 1.1272 FRA -.1118 FC3-3.3760 BSP 13478 SGB 4322.0 R23 -.0664 R13 -.9143 LSA 1925.5 MSA 198.1 SSA 11.4
 BDE 1.2243 BRA 1.3540 BC3 4.2250 FSP -898 SGI 4317.4 SG2 198.5 THA 179.25 EL1 1805.3 EL2 59.4 ALF 4.61

LAUNCH DATE DEC 15 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 437.144

RL 147.24 LAL -.00 LOL 82.81 VL 27.336 GAL -4.24 AZL 86.04 HCA 212.73 SMA 125.74 ECC .18587 INC 3.9649 V1 30.259
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.169 GAP 7.48 AZP 93.34 TAL 199.21 TAP 51.95 RCA 102.37 APO 149.11 V2 34.793
 RC 143.598 GL 27.76 GP -4.97 ZAL 117.30 ZAP 156.20 ETS 347.04 ZAE 130.88 ETE 184.79 ZAC 56.36 ETC 157.67 CLP-156.70

PLANETOCENTRIC CONIC

C3 16.376 VHL 4.047 DLA 12.04 RAL 315.16 RAO 6567.7 VEL 11.737 PTM 2.07 VHP 5.219 DPA -22.81 RAP 323.76 ECC 1.2695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 31 2551.06 -26.06 63.95 176.99 101.50 1 58 2 1951.1 -24.21 55.77
 90.00 16 19 39 4428.44 7.34 184.79 172.32 62.58 17 33 27 3828.4 3.61 178.10
 100.00 2 43 0 2268.91 -27.19 42.93 176.71 102.92 3 20 49 1668.9 -25.14 34.73
 100.00 17 34 51 4185.81 8.37 166.40 171.77 61.20 18 44 37 3585.8 4.46 159.79
 110.00 4 5 7 2011.96 -30.19 22.51 175.81 106.84 4 38 39 1412.0 -27.59 14.28
 110.00 18 29 13 4015.53 11.04 151.88 170.16 57.44 19 36 9 3415.5 6.67 145.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2441 TRA-1.2821 TC3-4.4509 BAU .9753 SGT 4418.7 SGR 224.9 SG3 268.1 ST 1850.6 SR 167.3 SS 694.4
 RDE .1181 RRA .0118 RC3 .1847 FAU .06297 RRT -.2776 RRF -.2104 RTF .9135 CRT .9403 CRS -.9960 CST -.9570
 FDE 1.0860 FRA -.0407 FC3-3.3287 BSP 13881 SGB 4424.4 R23 -.0456 R13 -.9134 LSA 1973.9 MSA 195.9 SSA 12.6
 BDE 1.2497 BRA 1.2822 BC3 4.4547 FSP -880 SGI 4419.1 SG2 216.1 THA 179.19 EL1 1857.2 EL2 56.7 ALF 4.86

LAUNCH DATE DEC 15 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 27.284 GAL -3.93 AZL 86.10 MCA 215.89 SMA 125.40 ECC .18675 INC 3.8987 V1 30.259
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.128 GAP 7.69 AZP 93.16 TAL 197.60 TAP 53.50 RCA 101.98 APO 148.82 V2 34.790
 RC 145.874 GL 27.61 GP -4.48 ZAL 115.25 ZAP 157.44 ETS 347.65 ZAE 130.71 ETE 184.26 ZAC 58.06 ETC 158.69 CLP-157.86

PLANETOCENTRIC CONIC
 C3 15.946 VHL 3.993 DLA 12.60 RAL 317.30 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 5.328 DPA -21.74 RAP 325.65 ECC 1.2624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 20 2563.90 -26.23 64.86 178.90 101.08 2 2 4 1963.9 -24.43 56.65
 90.00 16 32 56 4403.48 6.56 183.38 174.13 62.39 17 46 19 3803.5 2.81 176.70
 100.00 2 47 10 2280.63 -27.37 43.75 178.63 102.52 3 25 10 1680.6 -25.37 35.52
 100.00 17 47 47 4161.97 7.58 165.07 173.58 61.00 18 57 9 3562.0 3.66 158.48
 110.00 4 10 2 2021.31 -30.38 23.17 177.74 106.49 4 43 44 1421.3 -27.82 14.91
 110.00 18 41 24 3994.06 10.25 150.71 171.96 57.21 19 47 58 3394.1 5.86 144.38

DIFFERENTIAL CORRECTIONS
 TDE 1.2793 TRA-1.1995 TC3-4.6638 BAU .9952 SGT 4511.4 SGR 242.7 SG3 260.1 ST 1913.5 SR 178.4 SS 697.7
 RDE .1243 RRA .0035 RC3 .2060 FAU .06000 RRT -.2690 RRF -.2160 RTF .9121 CRT .9548 CRS -.9969 CST -.9584
 FDE 1.0549 FRA .0317 FC3-3.2575 BSP 14192 SGB 4517.9 R23 -.0311 R13 -.9120 LSA 2035.3 MSA 193.4 SSA 13.7
 BDE 1.2853 BRA 1.1995 BC3 4.6683 FSP -.854 SG1 4511.9 SG2 233.7 TMA 179.17 EL1 1921.0 EL2 52.8 ALF 5.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 27.232 GAL -3.61 AZL 86.16 MCA 219.06 SMA 125.07 ECC .18776 INC 3.8418 V1 30.259
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.087 GAP 7.91 AZP 92.99 TAL 195.97 TAP 55.03 RCA 101.58 APO 148.55 V2 34.787
 RC 148.138 GL 27.48 GP -4.08 ZAL 113.07 ZAP 158.61 ETS 348.15 ZAE 130.56 ETE 183.83 ZAC 59.84 ETC 159.59 CLP-158.99

PLANETOCENTRIC CONIC
 C3 15.576 VHL 3.947 DLA 13.24 RAL 319.54 RAD 6567.6 VEL 11.703 PTH 2.06 VHP 5.439 DPA -20.72 RAP 327.58 ECC 1.2563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 47 2580.39 -26.44 66.02 180.99 100.53 2 5 47 1980.4 -24.72 57.77
 90.00 16 47 21 4376.34 5.70 181.85 176.10 62.22 18 0 17 3776.3 1.94 175.19
 100.00 2 51 1 2295.80 -27.59 44.83 180.74 101.99 3 29 17 1695.8 -25.65 36.56
 100.00 18 1 47 4136.16 6.73 163.63 175.54 60.81 19 10 44 3536.2 2.79 157.06
 110.00 4 14 47 2033.69 -30.61 24.06 179.87 106.01 4 48 41 1433.7 -28.11 15.75
 110.00 18 54 31 3971.03 9.40 149.47 173.91 56.98 20 0 42 3371.0 4.99 143.16

DIFFERENTIAL CORRECTIONS
 TDE 1.3200 TRA-1.1096 TC3-4.8678 BAU 1.0147 SGT 4601.5 SGR 259.6 SG3 252.4 ST 1982.9 SR 189.9 SS 702.2
 RDE .1308 RRA -.0051 RC3 .2241 FAU .05715 RRT -.2539 RRF -.2129 RTF .9110 CRT .9674 CRS -.9961 CST -.9602
 FDE 1.0275 FRA .0998 FC3-3.1765 BSP 14499 SGB 4608.8 R23 -.0197 R13 -.9110 LSA 2103.5 MSA 189.9 SSA 14.7
 BDE 1.3264 BRA 1.1096 BC3 4.8730 FSP -.830 SG1 4602.0 SG2 251.0 TMA 179.18 EL1 1991.4 EL2 47.9 ALF 5.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 27.181 GAL -3.27 AZL 86.21 MCA 222.22 SMA 124.74 ECC .18891 INC 3.7923 V1 30.259
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.048 GAP 8.12 AZP 92.81 TAL 194.32 TAP 56.54 RCA 101.17 APO 148.30 V2 34.786
 RC 150.390 GL 27.35 GP -3.74 ZAL 110.77 ZAP 159.74 ETS 348.56 ZAE 130.43 ETE 183.46 ZAC 61.69 ETC 160.40 CLP-160.07

PLANETOCENTRIC CONIC
 C3 15.263 VHL 3.907 DLA 13.94 RAL 321.88 RAD 6567.6 VEL 11.690 PTH 2.06 VHP 5.554 DPA -19.74 RAP 329.56 ECC 1.2512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 57 2600.19 -26.68 67.42 183.27 99.87 2 9 17 2000.2 -25.04 59.13
 90.00 17 2 52 4347.40 4.78 180.22 178.24 62.06 18 15 19 3747.4 1.00 173.57
 100.00 2 54 40 2314.08 -27.84 46.13 183.03 101.35 3 33 14 1714.1 -25.99 37.82
 100.00 18 16 50 4108.74 5.82 162.10 177.67 60.63 19 25 18 3508.7 1.86 155.55
 110.00 4 19 27 2048.80 -30.89 25.15 182.19 105.42 4 53 36 1448.8 -28.47 16.79
 110.00 19 8 32 3946.79 8.50 148.18 176.03 56.76 20 14 19 3346.8 4.07 141.89

DIFFERENTIAL CORRECTIONS
 TDE 1.3685 TRA-1.0099 TC3-5.0536 BAU 1.0324 SGT 4684.9 SGR 275.6 SG3 244.7 ST 2051.9 SR 201.6 SS 709.9
 RDE .1373 RRA -.0139 RC3 .2392 FAU .05426 RRT -.2336 RRF -.2017 RTF .9097 CRT .9779 CRS -.9937 CST -.9624
 FDE 1.0063 FRA .1666 FC3-3.0775 BSP 14739 SGB 4693.0 R23 -.0118 R13 -.9097 LSA 2182.0 MSA 186.0 SSA 15.7
 BDE 1.3753 BRA 1.0100 BC3 5.0592 FSP -.801 SG1 4685.4 SG2 267.9 TMA 179.21 EL1 2071.3 EL2 42.0 ALF 5.46

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC
 RL 147.24 LAL -.00 LOL 82.81 VL 27.130 GAL -2.93 AZL 86.25 MCA 225.38 SMA 124.41 ECC .19021 INC 3.7484 V1 30.259
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.009 GAP 8.34 AZP 92.63 TAL 192.66 TAP 58.04 RCA 100.75 APO 148.08 V2 34.785
 RC 152.629 GL 27.21 GP -3.45 ZAL 108.36 ZAP 160.82 ETS 348.89 ZAE 130.31 ETE 183.16 ZAC 63.61 ETC 161.13 CLP-161.12

PLANETOCENTRIC CONIC
 C3 15.009 VHL 3.874 DLA 14.70 RAL 324.33 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 5.671 DPA -18.77 RAP 331.57 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 56 2623.07 -26.93 69.04 185.74 99.09 2 12 39 2023.1 -25.40 60.71
 90.00 17 19 24 4317.01 3.81 178.51 180.56 61.92 18 31 21 3717.0 .02 171.88
 100.00 2 58 11 2335.24 -28.11 47.64 185.51 100.60 3 37 6 1735.2 -26.36 39.28
 100.00 18 32 50 4080.07 4.86 160.52 179.98 60.47 19 40 50 3480.1 .89 153.98
 110.00 4 24 6 2066.41 -31.20 26.43 184.71 104.72 4 58 32 1466.4 -28.87 18.00
 110.00 19 23 25 3921.66 7.56 146.84 178.32 56.56 20 28 46 3321.7 3.11 140.58

DIFFERENTIAL CORRECTIONS
 TDE 1.4186 TRA -.9048 TC3-5.2325 BAU 1.0512 SGT 4770.0 SGR 290.7 SG3 237.6 ST 2142.1 SR 213.4 SS 715.5
 RDE .1441 RRA -.0228 RC3 .2512 FAU .05164 RRT -.2119 RRF -.1894 RTF .9094 CRT .9858 CRS -.9900 CST -.9647
 FDE .9837 FRA .2270 FC3-2.9788 BSP 15053 SGB 4778.9 R23 -.0041 R13 -.9093 LSA 2261.2 MSA 181.2 SSA 16.7
 BDE 1.4259 BRA .9050 BC3 5.2385 FSP -.781 SG1 4770.4 SG2 284.1 TMA 179.26 EL1 2152.4 EL2 35.6 ALF 5.61

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 466.206

RL 147.24 LAL -0.00 LOL 82.81 VL 27.079 GAL -2.57 AZL 86.29 HCA 228.54 SMA 124.09 ECC .19166 INC 3.7091 V1 30.259
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.972 GAP 8.56 AZP 92.46 TAL 190.98 TAP 59.52 RCA 100.31 APO 147.88 V2 34.784
 RC 154.855 GL 27.04 GP -3.20 ZAL 105.83 ZAP 161.86 ETS 349.16 ZAE 130.22 ETE 182.90 ZAC 65.58 ETC 161.79 CLP-162.13

PLANETOCENTRIC CONIC

C3 14.816 VHL 3.849 DLA 15.50 RAL 326.88 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 5.793 DPA -17.81 RAP 333.60 ECC 1.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 46 2648.83 -27.20 70.88 188.40 98.20 2 15 55 2048.8 -25.78 62.50
 90.00 17 36 57 4285.46 2.79 176.75 183.06 61.81 18 48 22 3685.5 -1.00 170.12
 100.00 3 1 37 2359.08 -28.40 49.36 188.19 99.74 3 40 56 1759.1 -26.76 40.94
 100.00 18 49 47 4050.44 3.86 158.88 182.47 60.33 19 57 17 3450.4 -.12 152.35
 110.00 4 28 47 2086.33 -31.54 27.88 187.43 103.92 5 3 34 1486.3 -29.30 19.39
 110.00 19 39 6 3895.95 6.59 145.47 180.78 56.58 20 44 2 3296.0 2.13 139.23

DIFFERENTIAL CORRECTIONS

TOE 1.4740 TRA -.7905 TC3-5.3924 BAU 1.0694
 ROE .1510 RRA -.0317 RC3 .2602 FAU .04912
 FOE .9643 FRA .2856 FC3-2.8699 BSP 15342
 BOE 1.4818 BRA .7911 BC3 5.3986 FSP -761

MID-COURSE EXECUTION ACCURACY

SGT 4851.6 SGR 305.0 SG3 230.8
 RRT -.1883 RRF -.1737 RTF .9091
 SGB 4861.2 R23 .0019 R13 -.9091
 SG1 4852.0 SG2 299.5 THA 179.32

ORBIT DETERMINATION ACCURACY

ST 2228.0 SR 223.3 SS 722.2
 CRT .9916 CRS -.9851 CST -.9671
 LSA 2346.3 MSA 176.2 SSA 17.6
 EL1 2239.2 EL2 29.0 ALF 5.73

LAUNCH DATE DEC 15 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 471.979

RL 147.24 LAL -0.00 LOL 82.81 VL 27.028 GAL -2.21 AZL 86.33 HCA 231.70 SMA 123.78 ECC .19327 INC 3.6734 V1 30.259
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.935 GAP 8.78 AZP 92.28 TAL 189.29 TAP 60.99 RCA 99.85 APO 147.70 V2 34.785
 RC 157.067 GL 26.84 GP -2.99 ZAL 103.19 ZAP 162.86 ETS 349.37 ZAE 130.15 ETE 182.68 ZAC 67.59 ETC 162.40 CLP-163.12

PLANETOCENTRIC CONIC

C3 14.687 VHL 3.832 DLA 16.33 RAL 329.55 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 5.918 DPA -16.86 RAP 335.66 ECC 1.2417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 32 2677.31 -27.46 72.93 191.25 97.21 2 19 9 2077.3 -26.17 64.49
 90.00 17 55 26 4252.98 1.75 174.94 185.75 61.73 19 6 19 3653.0 -2.04 168.31
 100.00 3 5 2 2385.43 -28.69 51.26 191.06 98.78 3 44 48 1785.4 -27.18 42.78
 100.00 19 7 37 4020.18 2.84 157.22 185.15 60.23 20 14 37 3420.2 -1.15 150.69
 110.00 4 33 35 2108.40 -31.89 29.51 190.34 103.02 5 8 43 1508.4 -29.77 20.94
 110.00 19 55 34 3869.97 5.61 144.10 183.43 56.22 21 0 4 3270.0 1.13 137.88

DIFFERENTIAL CORRECTIONS

TOE 1.5334 TRA -.6677 TC3-5.5291 BAU 1.0869
 ROE .1581 RRA -.0404 RC3 .2660 FAU .04665
 FOE .9460 FRA .3415 FC3-2.7500 BSP 15633
 BOE 1.5415 BRA .6689 BC3 5.5355 FSP -741

MID-COURSE EXECUTION ACCURACY

SGT 4929.2 SGR 318.4 SG3 224.1
 RRT -.1635 RRF -.1559 RTF .9091
 SGB 4939.5 R23 .0068 R13 -.9091
 SG1 4929.5 SG2 314.1 THA 179.39

ORBIT DETERMINATION ACCURACY

ST 2317.1 SR 237.2 SS 728.4
 CRT .9952 CRS -.9792 CST -.9695
 LSA 2434.4 MSA 170.9 SSA 18.5
 EL1 2329.1 EL2 23.1 ALF 5.82

LAUNCH DATE DEC 15 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 477.738

RL 147.24 LAL -0.00 LOL 82.81 VL 26.978 GAL -1.83 AZL 86.36 HCA 234.86 SMA 123.47 ECC .19506 INC 3.6407 V1 30.259
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.900 GAP 9.01 AZP 92.10 TAL 187.58 TAP 62.45 RCA 99.38 APO 147.55 V2 34.786
 RC 159.265 GL 26.60 GP -2.80 ZAL 100.45 ZAP 163.84 ETS 349.53 ZAE 130.10 ETE 182.49 ZAC 69.65 ETC 162.95 CLP-164.08

PLANETOCENTRIC CONIC

C3 14.625 VHL 3.824 DLA 17.19 RAL 332.32 RAD 6567.6 VEL 11.662 PTH 2.05 VHP 6.047 DPA -15.90 RAP 337.74 ECC 1.2407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 14 2708.37 -27.70 75.17 194.30 96.11 2 22 22 2108.4 -26.37 66.68
 90.00 18 14 50 4220.12 .69 173.10 188.64 61.69 19 25 10 3620.1 -3.10 166.47
 100.00 3 8 20 2414.14 -28.97 53.35 194.13 97.72 3 48 42 1814.1 -27.60 44.81
 100.00 19 26 17 3989.58 1.80 155.54 188.02 60.16 20 32 46 3389.6 -2.18 149.01
 110.00 4 38 30 2132.45 -32.24 31.29 193.46 102.02 5 14 3 1532.5 -30.25 22.65
 110.00 20 12 44 3844.04 4.63 142.74 186.26 56.09 21 16 48 3244.0 .14 136.52

DIFFERENTIAL CORRECTIONS

TOE 1.6009 TRA -.5323 TC3-5.6297 BAU 1.1020
 ROE .1656 RRA -.0488 RC3 .2686 FAU .04412
 FOE .9328 FRA .3983 FC3-2.6115 BSP 15833
 BOE 1.6094 BRA .5345 BC3 5.6361 FSP -717

MID-COURSE EXECUTION ACCURACY

SGT 4999.0 SGR 331.1 SG3 217.4
 RRT -.1363 RRF -.1336 RTF .9087
 SGB 5010.0 R23 .0093 R13 -.9087
 SG1 4999.2 SG2 328.0 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 2415.0 SR 249.3 SS 737.4
 CRT .9969 CRS -.9725 CST -.9720
 LSA 2531.8 MSA 166.2 SSA 19.3
 EL1 2427.7 EL2 19.6 ALF 5.87

LAUNCH DATE DEC 15 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 483.482

RL 147.24 LAL -0.00 LOL 82.81 VL 26.929 GAL -1.44 AZL 86.39 HCA 238.02 SMA 123.16 ECC .19704 INC 3.6104 V1 30.259
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.866 GAP 9.25 AZP 91.91 TAL 185.87 TAP 63.89 RCA 98.89 APO 147.43 V2 34.788
 RC 161.449 GL 26.30 GP -2.64 ZAL 97.63 ZAP 164.78 ETS 349.63 ZAE 130.06 ETE 182.33 ZAC 71.75 ETC 163.46 CLP-165.01

PLANETOCENTRIC CONIC

C3 14.635 VHL 3.826 DLA 18.06 RAL 335.19 RAD 6567.6 VEL 11.663 PTH 2.05 VHP 6.181 DPA -14.94 RAP 339.83 ECC 1.2409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 56 2741.83 -27.92 77.59 197.54 94.92 2 25 37 2141.8 -26.95 69.06
 90.00 18 35 3 4186.99 -.38 171.26 191.72 61.69 19 44 50 3587.0 -4.16 164.62
 100.00 3 11 58 2445.02 -29.23 55.61 197.39 96.56 3 52 43 1845.0 -28.01 47.01
 100.00 19 45 42 3959.03 .77 153.86 191.08 60.12 20 51 41 3359.0 -3.21 147.34
 110.00 4 43 37 2158.30 -32.59 33.23 196.79 100.92 5 19 35 1558.3 -30.74 24.50
 110.00 20 30 33 3818.51 3.66 141.40 189.28 55.99 21 34 11 3218.5 -.83 135.19

DIFFERENTIAL CORRECTIONS

TOE 1.6676 TRA -.3914 TC3-5.7115 BAU 1.1188
 ROE .1735 RRA -.0568 RC3 .2679 FAU .04188
 FOE .9165 FRA .4491 FC3-2.4771 BSP 16097
 BOE 1.6766 BRA .3955 BC3 5.7178 FSP -698

MID-COURSE EXECUTION ACCURACY

SGT 5071.0 SGR 342.9 SG3 211.2
 RRT -.1102 RRF -.1134 RTF .9094
 SGB 5082.6 R23 .0128 R13 -.9094
 SG1 5071.1 SG2 340.8 THA 179.57

ORBIT DETERMINATION ACCURACY

ST 2507.8 SR 261.4 SS 742.4
 CRT .9967 CRS -.9653 CST -.9743
 LSA 2623.4 MSA 161.2 SSA 20.0
 EL1 2521.3 EL2 21.1 ALF 5.93

LAUNCH DATE DEC 15 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 26.879 GAL -1.03 AZL 86.42 MCA 241.19 SMA 122.86 ECC .19922 INC 3.5822 V1 30.259
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.832 GAP 9.49 AZP 91.73 TAL 184.14 TAP 65.33 RCA 98.38 APO 147.33 V2 34.791
 RC 163.619 GL 25.95 GP -2.49 ZAL 94.72 ZAP 165.70 ETS 349.67 ZAE 130.04 ETE 182.19 ZAC 75.88 ETC 163.92 CLP-165.91

PLANETOCENTRIC CONIC

C3 14.725 VML 3.837 OLA 18.93 RAL 338.16 RAD 6567.6 VEL 11.667 PTH 2.05 VMP 6.321 OPA -13.98 RAP 341.94 ECC 1.2423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 39 2777.52 -28.10 80.19 200.97 93.63 2 28 57 2177.7 -27.30 71.61
 90.00 18 56 2 4154.00 -1.45 169.42 195.00 61.72 20 5 16 3554.0 -5.22 162.76
 100.00 3 15 35 2477.87 -29.46 58.02 200.85 95.30 3 56 52 1877.9 -28.41 49.37
 100.00 20 5 48 3928.88 -1.26 152.21 194.34 60.11 21 11 17 3328.9 -4.23 145.67
 110.00 4 48 57 2185.76 -32.93 35.30 200.31 99.74 5 25 22 1585.8 -31.24 26.49
 110.00 20 48 56 3793.75 2.71 140.11 192.49 55.91 21 52 9 3193.8 -1.78 133.90

DIFFERENTIAL CORRECTIONS

TDE 1.7396 TRA -.2389 TC3-5.7529 BAU 1.1337 SGT 5136.4 SGR 353.9 SG3 205.0 ST 2603.4 SR 273.6 SS 748.1
 RDE .1820 RRA -.0643 RC3 .2641 FAU .03958 RRT -.0829 RRF -.0902 RTF .9099 CRT .9950 CRS -.9577 CST -.9764
 FDE .9029 FRA .5002 FC3-2.3273 BSP 16327 SGB 5148.5 R23 .0145 R13 -.9099 LSA 2717.9 MSA 157.0 SSA 20.5
 BDE 1.7491 BRA .2474 BC3 5.7590 FSP -679 SG1 5136.4 SG2 352.7 THA 179.67 EL1 2617.6 EL2 27.1 ALF 5.97

LAUNCH DATE DEC 15 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 26.831 GAL -.61 AZL 86.44 MCA 244.35 SMA 122.56 ECC .20161 INC 3.5556 V1 30.259
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.800 GAP 9.74 AZP 91.54 TAL 182.41 TAP 66.76 RCA 97.85 APO 147.27 V2 34.794
 RC 165.775 GL 25.54 GP -2.36 ZAL 91.75 ZAP 166.60 ETS 349.66 ZAE 130.03 ETE 182.08 ZAC 76.03 ETC 164.35 CLP-166.80

PLANETOCENTRIC CONIC

C3 14.899 VML 3.860 OLA 19.79 RAL 341.23 RAD 6567.6 VEL 11.674 PTH 2.05 VMP 6.465 OPA -13.01 RAP 344.06 ECC 1.2452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 27 2815.22 -28.23 82.94 204.58 92.26 2 32 22 2215.2 -27.62 74.32
 90.00 19 17 41 4121.55 -2.49 167.60 198.48 61.78 20 26 22 3521.5 -6.25 160.94
 100.00 3 19 20 2512.47 -29.65 60.58 204.49 93.97 4 1 13 1912.5 -28.79 51.88
 100.00 20 26 29 3899.53 -1.25 150.60 197.79 60.13 21 31 28 3299.5 -5.22 144.05
 110.00 4 54 32 2214.62 -33.24 37.50 204.03 98.48 5 31 27 1614.6 -31.71 28.60
 110.00 21 7 46 3770.14 1.81 138.87 195.88 55.86 22 10 36 3170.1 -2.68 132.67

DIFFERENTIAL CORRECTIONS

TDE 1.8150 TRA -.0775 TC3-5.7593 BAU 1.1483 SGT 5200.1 SGR 364.1 SG3 199.2 ST 2697.7 SR 285.9 SS 752.4
 RDE .1912 RRA -.0713 RC3 .2571 FAU .03749 RRT -.0550 RRF -.0666 RTF .9116 CRT .9921 CRS -.9502 CST -.9786
 FDE .8898 FRA .5467 FC3-2.1786 BSP 16537 SGB 5212.8 R23 .0162 R13 -.9116 LSA 2810.9 MSA 152.9 SSA 20.9
 BDE 1.8250 BRA .1053 BC3 5.7650 FSP -662 SG1 5200.1 SG2 363.6 THA 179.78 EL1 2712.6 EL2 35.7 ALF 6.00

LAUNCH DATE DEC 15 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 26.783 GAL -.17 AZL 86.47 MCA 247.51 SMA 122.27 ECC .20423 INC 3.5304 V1 30.259
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.768 GAP 9.99 AZP 91.35 TAL 180.67 TAP 68.18 RCA 97.30 APO 147.24 V2 34.798
 RC 167.915 GL 25.05 GP -2.25 ZAL 88.72 ZAP 167.47 ETS 349.59 ZAE 130.03 ETE 181.98 ZAC 78.22 ETC 164.74 CLP-167.67

PLANETOCENTRIC CONIC

C3 15.187 VML 3.894 OLA 20.62 RAL 344.37 RAD 6567.6 VEL 11.686 PTH 2.06 VMP 6.617 OPA -12.03 RAP 346.18 ECC 1.2496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 21 2854.68 -28.31 85.82 208.36 90.81 2 35 56 2254.7 -27.89 77.18
 90.00 19 39 51 4090.05 -3.50 165.84 202.15 61.88 20 48 1 3490.1 -7.24 159.15
 100.00 3 23 18 2548.56 -29.79 63.25 208.31 92.57 4 5 46 1948.6 -29.12 54.51
 100.00 20 47 36 3871.41 -2.20 149.05 201.43 60.18 21 52 7 3271.4 -6.16 142.49
 110.00 5 0 26 2244.63 -33.52 39.80 207.93 97.14 5 37 51 1644.6 -32.17 30.82
 110.00 21 28 57 3748.10 .97 137.72 199.44 55.83 22 29 25 3148.1 -3.52 131.52

DIFFERENTIAL CORRECTIONS

TDE 1.8879 TRA .0911 TC3-5.7339 BAU 1.1637 SGT 5261.2 SGR 373.5 SG3 193.3 ST 2781.1 SR 298.2 SS 751.5
 RDE .2011 RRA -.0775 RC3 .2472 FAU .03554 RRT -.0282 RRF -.0446 RTF .9138 CRT .9882 CRS -.9425 CST -.9804
 FDE .8727 FRA .5899 FC3-2.0289 BSP 16877 SGB 5274.5 R23 .0188 R13 -.9138 LSA 2892.3 MSA 149.6 SSA 21.2
 BDE 1.8986 BRA .1196 BC3 5.7392 FSP -656 SG1 5261.2 SG2 373.3 THA 179.88 EL1 2796.7 EL2 45.5 ALF 6.05

LAUNCH DATE DEC 15 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

RL 147.24 LAL -.00 LOL 82.81 VL 26.735 GAL -.28 AZL 86.49 MCA 250.68 SMA 121.98 ECC .20710 INC 3.5063 V1 30.259
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.738 GAP 10.26 AZP 91.16 TAL 178.92 TAP 69.59 RCA 96.72 APO 147.24 V2 34.803
 RC 170.040 GL 24.51 GP -2.15 ZAL 85.66 ZAP 168.33 ETS 349.46 ZAE 130.05 ETE 181.89 ZAC 80.42 ETC 165.10 CLP-168.52

PLANETOCENTRIC CONIC

C3 15.537 VML 3.942 OLA 21.43 RAL 347.58 RAD 6567.6 VEL 11.701 PTH 2.06 VMP 6.775 OPA -11.04 RAP 348.32 ECC 1.2557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 25 2895.65 -28.31 88.82 212.29 89.31 2 39 41 2295.6 -28.11 80.16
 90.00 20 2 25 4059.95 -4.47 164.16 205.99 62.01 21 10 5 3459.9 -8.18 157.44
 100.00 3 27 30 2585.86 -29.87 66.02 212.28 91.12 4 10 36 1985.9 -29.40 57.25
 100.00 21 9 2 3844.96 -3.10 147.60 205.23 60.25 22 13 7 3245.0 -7.04 141.02
 110.00 5 6 41 2275.55 -33.75 42.18 212.01 95.75 5 44 36 1675.6 -32.59 33.14
 110.00 21 46 20 3728.03 .20 136.68 203.17 55.82 22 48 28 3128.0 -4.29 130.46

DIFFERENTIAL CORRECTIONS

TDE 1.9678 TRA .2798 TC3-5.6443 BAU 1.1734 SGT 5307.7 SGR 382.3 SG3 187.3 ST 2866.5 SR 310.8 SS 755.9
 RDE .2121 RRA -.0828 RC3 .2351 FAU .03307 RRT .0003 RRF -.0154 RTF .9119 CRT .9834 CRS -.9340 CST -.9818
 FDE .8832 FRA .6454 FC3-1.8430 BSP 16946 SGB 5321.4 R23 -.0157 R13 .9119 LSA 2976.9 MSA 149.6 SSA 21.3
 BDE 1.9792 BRA .2918 BC3 5.6492 FSP -621 SG1 5307.7 SG2 382.3 THA .00 EL1 2882.8 EL2 56.1 ALF 6.09

LAUNCH DATE DEC 15 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 511.939

RL 147.24 LAL -0.00 LOL 82.81 VL 26.688 GAL .75 AZL 86.52 MCA 253.84 SMA 121.70 ECC .21024 INC 3.4831 V1 30.259
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.709 GAP 10.54 AZP 90.97 TAL 177.16 TAP 71.00 RCA 96.11 APO 147.29 V2 34.808
 RC 172.148 GL 23.89 GP -2.06 ZAL 82.56 ZAP 169.17 ETS 349.24 ZAE 130.07 ETE 181.82 ZAC 82.65 ETC 165.42 CLP-169.36

PLANETOCENTRIC CONIC

C3 16.020 VHL 4.003 DLA 22.19 RAL 350.85 RAD 6567.6 VEL 11.722 PTH 2.07 VMP 6.941 DPA -10.04 RAP 350.46 ECC 1.2636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 42 2937.75 -28.24 91.89 216.37 87.77 2 43 40 2337.8 -28.25 83.23
 90.00 20 25 12 4031.72 -5.37 162.57 210.00 62.16 21 32 24 3431.7 -9.05 155.83
 100.00 3 32 0 2624.02 -29.89 68.86 216.41 89.62 4 15 44 2024.0 -29.62 60.06
 100.00 21 30 35 3820.68 -3.92 146.26 209.20 60.34 22 34 16 3220.7 -7.84 139.67
 110.00 5 13 18 2307.09 -33.94 44.62 216.25 94.32 5 51 45 1707.1 -32.97 35.52
 110.00 22 5 47 3710.37 -4.48 135.76 207.05 55.82 23 7 37 3110.4 -4.96 129.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0459 TRA .4718 TC3-5.5381 BAU 1.1870 SGT 5363.1 SGR 390.1 SG3 182.0 ST 2939.8 SR 323.2 SS 754.7
 ROE .2240 RRA -.0873 RC3 .2203 FAU .03126 RRT .0281 RRF .0100 RTF .9146 CRT .9782 CRS -.9268 CST -.9835
 FDE .8500 FRA .6875 FC3-1.6895 BSP 17154 SGB 5377.2 R23 -.0159 R13 .9146 LSA 3048.7 MSA 148.4 SSA 21.3
 BOE 2.0581 BRA .4798 BC3 5.5424 FSP -606 SG1 5363.1 SG2 389.9 TMA .12 EL1 2956.8 EL2 66.8 ALF 6.14

LAUNCH DATE DEC 15 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 517.567

RL 147.24 LAL -0.00 LOL 82.81 VL 26.641 GAL 1.25 AZL 86.54 MCA 257.01 SMA 121.42 ECC .21367 INC 3.4607 V1 30.259
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.681 GAP 10.83 AZP 90.78 TAL 175.41 TAP 72.41 RCA 95.48 APO 147.37 V2 34.814
 RC 174.239 GL 23.22 GP -1.97 ZAL 79.47 ZAP 169.99 ETS 348.94 ZAE 130.11 ETE 181.77 ZAC 84.89 ETC 165.72 CLP-170.18

PLANETOCENTRIC CONIC

C3 16.629 VHL 4.078 DLA 22.90 RAL 354.15 RAD 6567.7 VEL 11.748 PTH 2.07 VMP 7.116 DPA -9.03 RAP 352.60 ECC 1.2737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 15 2980.63 -28.08 95.02 220.56 86.21 2 47 56 2380.6 -28.31 86.36
 90.00 20 48 1 4005.86 -6.19 161.11 214.15 62.31 21 54 47 3405.9 -9.85 154.34
 100.00 3 36 52 2662.68 -29.84 71.73 220.66 88.11 4 21 15 2062.7 -29.78 62.93
 100.00 21 52 6 3799.05 -4.65 145.07 213.31 60.44 22 55 25 3199.1 -8.55 138.45
 110.00 5 20 20 2338.98 -34.08 47.10 220.62 92.85 5 59 19 1739.0 -33.31 37.95
 110.00 22 25 7 3695.52 -1.04 134.98 211.07 55.83 23 26 43 3095.5 -5.52 128.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1227 TRA .6763 TC3-5.3858 BAU 1.1982 SGT 5408.6 SGR 397.0 SG3 176.5 ST 3001.4 SR 335.5 SS 750.4
 ROE .2370 RRA -.0908 RC3 .2037 FAU .02937 RRT .0560 RRF .0358 RTF .9163 CRT .9725 CRS -.9193 CST -.9848
 FDE .8351 FRA .7311 FC3-1.5288 BSP 17348 SGB 5423.2 R23 -.0158 R13 .9163 LSA 3108.3 MSA 148.8 SSA 21.0
 BOE 2.1359 BRA .6824 BC3 5.3897 FSP -591 SG1 5408.7 SG2 396.4 TMA .24 EL1 3019.1 EL2 77.6 ALF 6.21

LAUNCH DATE DEC 15 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 523.169

RL 147.24 LAL -0.00 LOL 82.81 VL 26.595 GAL 1.76 AZL 86.56 MCA 260.17 SMA 121.15 ECC .21742 INC 3.4388 V1 30.259
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.653 GAP 11.14 AZP 90.59 TAL 173.65 TAP 73.82 RCA 94.81 APO 147.49 V2 34.821
 RC 176.312 GL 22.49 GP -1.90 ZAL 76.37 ZAP 170.80 ETS 348.52 ZAE 130.15 ETE 181.72 ZAC 87.15 ETC 165.98 CLP-171.00

PLANETOCENTRIC CONIC

C3 17.377 VHL 4.169 DLA 23.54 RAL 357.48 RAD 6567.7 VEL 11.780 PTH 2.08 VMP 7.300 DPA -8.02 RAP 354.75 ECC 1.2860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 9 3023.88 -27.85 98.16 224.86 84.65 2 52 33 2423.9 -28.30 89.53
 90.00 21 10 40 3982.90 -6.91 159.81 218.43 62.47 22 17 2 3382.9 -10.55 153.02
 100.00 3 42 9 2701.46 -29.72 74.61 225.03 86.60 4 27 10 2101.5 -29.87 65.80
 100.00 22 13 21 3780.56 -5.27 144.04 217.53 60.53 23 16 21 3180.6 -9.15 137.41
 110.00 5 27 48 2370.93 -34.16 49.59 225.12 91.38 6 7 19 1770.9 -33.59 40.40
 110.00 22 44 11 3683.85 -1.49 134.37 215.19 55.85 23 45 35 3083.9 -5.96 128.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2025 TRA .8960 TC3-5.1926 BAU 1.2071 SGT 5450.8 SGR 403.2 SG3 171.4 ST 3056.7 SR 347.7 SS 746.8
 ROE .2511 RRA -.0931 RC3 .1859 FAU .02747 RRT .0848 RRF .0639 RTF .9181 CRT .9666 CRS -.9122 CST -.9860
 FDE .8229 FRA .7761 FC3-1.3685 BSP 17465 SGB 5465.7 R23 -.0144 R13 .9181 LSA 3162.1 MSA 150.3 SSA 20.6
 BOE 2.2168 BRA .9009 BC3 5.1960 FSP -573 SG1 5450.9 SG2 401.8 TMA .36 EL1 3075.1 EL2 88.5 ALF 6.28

LAUNCH DATE DEC 15 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 528.741

RL 147.24 LAL -0.00 LOL 82.81 VL 26.549 GAL 2.29 AZL 86.58 MCA 263.34 SMA 120.88 ECC .22150 INC 3.4173 V1 30.259
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.627 GAP 11.46 AZP 90.40 TAL 171.89 TAP 75.23 RCA 94.11 APO 147.66 V2 34.828
 RC 178.366 GL 21.70 GP -1.83 ZAL 73.31 ZAP 171.60 ETS 347.97 ZAE 130.19 ETE 181.68 ZAC 89.43 ETC 166.22 CLP-171.80

PLANETOCENTRIC CONIC

C3 18.283 VHL 4.276 DLA 24.12 RAL .81 RAD 6567.7 VEL 11.818 PTH 2.09 VMP 7.495 DPA -7.00 RAP 356.90 ECC 1.3009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 28 3067.01 -27.53 101.28 229.25 83.11 2 57 35 2467.0 -28.20 92.68
 90.00 21 32 53 3963.40 -7.52 158.71 222.82 62.62 22 38 56 3363.4 -11.14 151.89
 100.00 3 47 55 2739.94 -29.53 77.45 229.48 85.12 4 33 35 2139.9 -29.89 68.67
 100.00 22 34 7 3765.71 -5.76 143.22 221.86 60.62 23 36 53 3165.7 -9.63 136.57
 110.00 5 35 43 2402.67 -34.18 52.07 229.72 89.91 6 15 46 1802.7 -33.82 42.85
 110.00 23 2 49 3675.74 -1.80 133.95 219.40 55.86 24 4 4 3075.7 -6.27 127.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2775 TRA 1.1253 TC3-4.9729 BAU 1.2162 SGT 5488.9 SGR 408.5 SG3 166.2 ST 3094.4 SR 359.3 SS 739.5
 ROE .2663 RRA -.0942 RC3 .1671 FAU .02570 RRT .1128 RRF .0912 RTF .9202 CRT .9606 CRS -.9053 CST -.9871
 FDE .8083 FRA .8186 FC3-1.2169 BSP 17630 SGB 5504.1 R23 -.0133 R13 .9202 LSA 3198.1 MSA 152.7 SSA 20.0
 BOE 2.2930 BRA 1.1293 BC3 4.9757 FSP -557 SG1 5488.9 SG2 405.9 TMA .48 EL1 3113.7 EL2 99.3 ALF 6.37

LAUNCH DATE DEC 15 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 534.281

RL 147.24 LAL -.00 LOL 82.81 VL 26.504 GAL 2.85 AZL 86.60 HCA 266.51 SMA 120.62 ECC .22596 INC 3.3961 V1 30.259
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.602 GAP 11.80 AZP 90.21 TAL 170.14 TAP 76.65 RCA 93.36 APO 147.87 V2 34.836
 RC 180.400 GL 20.88 GP -1.77 ZAL 70.28 ZAP 172.39 ETS 347.24 ZAE 130.24 ETE 181.65 ZAC 91.71 ETC 166.43 CLP-172.60

PLANETOCENTRIC CONIC

C3 19.363 VHL 4.400 DLA 24.63 RAL 4.12 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 7.701 DPA -5.98 RAP 359.06 ECC 1.3187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 19 3109.53 -27.15 104.33 233.69 81.63 3 3 9 2509.5 -28.03 95.78
 90.00 21 54 26 3947.92 -8.01 157.83 227.28 62.75 23 0 14 3347.9 -11.60 150.99
 100.00 3 54 14 2777.72 -29.28 80.23 234.00 83.67 4 40 32 2177.7 -29.84 71.47
 100.00 22 54 13 3754.96 -6.12 142.63 226.25 60.68 23 56 48 3155.0 -9.98 135.97
 110.00 5 44 7 2433.97 -34.15 54.52 234.39 88.47 6 24 41 1834.0 -33.99 45.28
 110.00 23 20 50 3671.48 -1.96 133.73 223.68 55.87 24 22 1 3071.5 -6.43 127.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3498 TRA 1.3666 TC3-4.7265 BAU 1.2241
 RDE .2827 RRA -.0939 RC3 1.1480 FAU .02400
 FDE .7936 FRA .8607 FC3-1.0728 BSP 17805
 BDE 2.3667 BRA 1.3698 BC3 4.7288 FSP -543

SGT 5522.3 SGR 413.0 SG3 161.2
 RRT .1407 RRF .1188 RTF .9225
 SGB 5537.7 R23 -.0119 R13 .9225
 SGI 5522.6 SG2 408.9 THA .61

ST 3117.9 SR 370.3 SS 730.5
 CRT .9544 CRS -.8985 CST -.9881
 LSA 3219.9 MSA 155.9 SSA 19.4
 EL1 3137.9 EL2 109.8 ALF 6.48

LAUNCH DATE DEC 15 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 539.783

RL 147.24 LAL -.00 LOL 82.81 VL 26.459 GAL 3.44 AZL 86.62 HCA 269.68 SMA 120.36 ECC .23083 INC 3.3750 V1 30.259
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.578 GAP 12.16 AZP 90.02 TAL 168.39 TAP 78.07 RCA 92.58 APO 148.14 V2 34.845
 RC 182.414 GL 20.01 GP -1.71 ZAL 67.31 ZAP 173.17 ETS 346.27 ZAE 130.29 ETE 181.62 ZAC 94.00 ETC 166.61 CLP-173.39

PLANETOCENTRIC CONIC

C3 20.643 VHL 4.543 DLA 25.06 RAL 7.39 RAD 6567.8 VEL 11.917 PTH 2.12 VHP 7.921 DPA -4.95 RAP 1.21 ECC 1.3397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 48 3150.88 -26.71 107.28 238.18 80.22 3 9 19 2550.9 -27.79 98.78
 90.00 22 15 5 3937.02 -8.35 157.21 231.79 62.84 23 20 42 3337.0 -11.92 150.35
 100.00 4 1 10 2814.41 -28.97 82.92 238.58 62.29 4 48 4 2214.4 -29.73 74.19
 100.00 23 13 25 3748.73 -6.33 142.28 230.69 60.72 24 15 53 3148.7 -10.18 135.61
 110.00 5 52 58 2464.61 -34.07 56.91 239.13 87.05 6 34 3 1864.6 -34.10 47.66
 110.00 23 38 6 3671.29 -1.97 133.72 227.99 55.87 24 39 17 3071.3 -6.44 127.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4211 TRA 1.6230 TC3-4.4557 BAU 1.2302
 RDE .3002 RRA -.0923 RC3 .1291 FAU .02232
 FDE .7794 FRA .9035 FC3 -.9360 BSP 17950
 BDE 2.4397 BRA 1.6256 BC3 4.4576 FSP -529

SGT 5551.6 SGR 416.7 SG3 156.3
 RRT .1690 RRF .1471 RTF .9248
 SGB 5567.2 R23 -.0102 R13 .9248
 SGI 5552.0 SG2 410.6 THA .73

ST 3129.9 SR 380.6 SS 720.8
 CRT .9482 CRS -.8920 CST -.9890
 LSA 3230.3 MSA 159.9 SSA 18.7
 EL1 3150.7 EL2 120.2 ALF 6.59

LAUNCH DATE DEC 15 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 545.243

RL 147.24 LAL -.00 LOL 82.81 VL 26.415 GAL 4.05 AZL 86.65 HCA 272.86 SMA 120.10 ECC .23615 INC 3.3539 V1 30.259
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.555 GAP 12.55 AZP 89.83 TAL 166.65 TAP 79.50 RCA 91.74 APO 148.47 V2 34.854
 RC 184.407 GL 19.12 GP -1.66 ZAL 64.41 ZAP 173.94 ETS 345.00 ZAE 130.34 ETE 181.61 ZAC 96.30 ETC 166.76 CLP-174.18

PLANETOCENTRIC CONIC

C3 22.147 VHL 4.706 DLA 25.41 RAL 10.61 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 8.156 DPA -3.92 RAP 3.37 ECC 1.3645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 1 3190.54 -26.22 110.08 242.70 78.90 3 16 11 2590.5 -27.48 101.64
 90.00 22 34 34 3931.24 -8.53 156.88 236.32 62.90 23 40 6 3331.2 -12.10 150.01
 100.00 4 8 45 2849.64 -28.62 85.48 243.18 80.99 4 56 14 2249.6 -29.57 76.80
 100.00 23 31 31 3747.37 -6.37 142.20 235.15 60.73 24 33 59 3147.4 -10.23 135.54
 110.00 6 2 16 2494.45 -33.94 59.23 243.91 85.69 6 43 51 1894.5 -34.17 49.99
 110.00 23 54 29 3675.32 -1.82 133.93 232.33 55.86 24 55 44 3075.3 -6.28 127.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4929 TRA 1.8975 TC3-4.1619 BAU 1.2327
 RDE .3189 RRA -.0890 RC3 .1108 FAU .02064
 FDE .7667 FRA .9480 FC3 -.8066 BSP 17990
 BDE 2.5133 BRA 1.8996 BC3 4.1634 FSP -511

SGT 5576.8 SGR 419.5 SG3 151.6
 RRT .1979 RRF .1765 RTF .9272
 SGB 5592.4 R23 -.0082 R13 .9272
 SGI 5577.2 SG2 411.2 THA .86

ST 3132.8 SR 389.9 SS 711.2
 CRT .9417 CRS -.8856 CST -.9898
 LSA 3231.9 MSA 164.5 SSA 18.0
 EL1 3154.3 EL2 130.2 ALF 6.70

LAUNCH DATE DEC 15 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 550.634

RL 147.24 LAL -.00 LOL 82.81 VL 26.371 GAL 4.70 AZL 86.67 HCA 276.03 SMA 119.86 ECC .24197 INC 3.3327 V1 30.259
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.532 GAP 12.96 AZP 89.65 TAL 164.91 TAP 80.94 RCA 90.85 APO 148.86 V2 34.863
 RC 186.379 GL 18.21 GP -1.62 ZAL 61.59 ZAP 174.71 ETS 343.27 ZAE 130.38 ETE 181.59 ZAC 98.61 ETC 166.88 CLP-174.96

PLANETOCENTRIC CONIC

C3 23.908 VHL 4.890 DLA 25.69 RAL 13.76 RAD 6568.0 VEL 12.053 PTH 2.15 VHP 8.407 DPA -2.89 RAP 5.53 ECC 1.3935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 4 3227.95 -25.70 112.70 247.25 77.68 3 23 52 2628.0 -27.14 104.33
 90.00 22 52 39 3931.10 -8.53 156.87 240.84 62.90 23 58 11 3331.1 -12.10 150.01
 100.00 4 17 1 2883.13 -28.24 87.89 247.81 79.77 5 5 4 2283.1 -29.36 79.27
 100.00 23 48 23 3751.16 -6.25 142.42 239.61 60.71 24 50 54 3151.2 -10.10 135.75
 110.00 6 12 0 2523.38 -33.77 61.47 248.71 84.37 6 54 3 1923.4 -34.18 52.25
 110.00 0 13 50 3683.67 -1.50 134.36 236.66 55.85 1 15 13 3083.7 -5.97 128.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5583 TRA 2.1831 TC3-3.8644 BAU 1.2355
 RDE .3385 RRA -.0841 RC3 .0934 FAU .01910
 FDE .7527 FRA .9911 FC3 -.6915 BSP 18122
 BDE 2.5806 BRA 2.1847 BC3 3.8655 FSP -497

SGT 5597.0 SGR 421.5 SG3 147.0
 RRT .2260 RRF .2050 RTF .9300
 SGB 5612.9 R23 -.0065 R13 .9300
 SGI 5597.8 SG2 410.5 THA .98

ST 3118.4 SR 398.0 SS 699.6
 CRT .9352 CRS -.8793 CST -.9906
 LSA 3216.1 MSA 169.3 SSA 17.3
 EL1 3140.6 EL2 139.9 ALF 6.82

LAUNCH DATE DEC 15 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 556.009

RL 147.24 LAL -0.00 LOL 82.81 VL 26.329 GAL 5.38 AZL 86.69 HCA 279.21 SMA 119.61 ECC .24833 INC 3.3112 V1 30.259
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.511 GAP 13.40 AZP 89.47 TAL 163.20 TAP 82.40 RCA 89.91 APO 149.31 V2 34.873
 RC 188.330 GL 17.29 GP -1.57 ZAL 58.85 ZAP 175.47 ETS 340.86 ZAE 130.43 ETE 181.59 ZAC 100.91 ETC 166.97 CLP-175.75

PLANETOCENTRIC CONIC

C3 25.964 VHL 5.095 DLA 25.90 RAL 16.83 RAD 6568.0 VEL 12.138 PTH 2.18 VHP 8.676 DPA -1.87 RAP 7.69 ECC 1.4273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 2 3262.69 -25.17 115.10 251.80 76.59 3 32 25 2662.7 -26.77 106.80
 90.00 23 9 9 3936.97 -8.35 157.20 245.33 62.84 24 14 45 3337.0 -11.93 150.35
 100.00 4 25 59 2914.64 -27.84 90.15 252.45 78.65 5 14 34 2314.6 -29.12 81.58
 100.00 0 7 48 3760.25 -5.94 142.92 244.03 60.65 1 10 28 3160.3 -9.81 136.27
 110.00 6 22 6 2551.35 -33.56 63.63 253.52 83.11 7 4 38 1951.3 -34.15 54.43
 110.00 0 28 11 3696.31 -1.01 135.02 240.97 55.83 1 29 47 3096.3 -5.49 128.80

DIFFERENTIAL CORRECTIONS

TDE 2.6208 TRA 2.4853 TC3-3.5606 BAU 1.2362
 ROE .3590 RRA -.0776 RC3 .0772 FAU .01761
 FDE .7387 FRA 1.0350 FC3 -.5870 BSP 18249
 BDE 2.6433 BRA 2.4865 BC3 3.5614 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 5612.7 SGR 422.6 SG3 142.5
 RRT .2542 RRF .2335 RTF .9329
 SGB 5628.6 R23 -.0050 R13 .9329
 SG1 5613.8 SG2 408.6 TMA 1.10

ORBIT DETERMINATION ACCURACY

ST 3092.8 SR 404.7 SS 687.4
 CRT .9285 CRS -.8729 CST -.9913
 LSA 3189.2 MSA 174.5 SSA 16.5
 EL1 3115.6 EL2 149.2 ALF 6.94

LAUNCH DATE DEC 15 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 561.300

RL 147.24 LAL -0.00 LOL 82.81 VL 26.286 GAL 6.10 AZL 86.71 HCA 282.38 SMA 119.37 ECC .25530 INC 3.2893 V1 30.259
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.491 GAP 13.88 AZP 89.29 TAL 161.49 TAP 83.88 RCA 88.90 APO 149.85 V2 34.884
 RC 190.259 GL 16.36 GP -1.54 ZAL 56.22 ZAP 176.21 ETS 337.37 ZAE 130.47 ETE 181.58 ZAC 103.22 ETC 167.04 CLP-176.54

PLANETOCENTRIC CONIC

C3 28.359 VHL 5.325 DLA 26.04 RAL 19.80 RAD 6568.1 VEL 12.237 PTH 2.20 VHP 8.966 DPA -.84 RAP 9.85 ECC 1.4667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 58 3294.42 -24.65 117.28 256.35 75.61 3 41 53 2694.4 -26.39 109.05
 90.00 23 23 53 3949.10 -7.97 157.89 249.77 62.74 24 29 42 3349.1 -11.56 151.06
 100.00 4 35 38 2944.08 -27.43 92.24 257.08 77.62 5 24 43 2344.1 -28.86 83.73
 100.00 0 21 50 3774.66 -5.46 143.72 248.41 60.57 1 24 44 3174.7 -9.34 137.08
 110.00 6 32 32 2578.36 -33.32 65.70 258.32 81.91 7 15 30 1978.4 -34.08 56.54
 110.00 0 41 26 3713.16 -.37 135.90 245.25 55.82 1 43 19 3113.2 -4.85 129.68

DIFFERENTIAL CORRECTIONS

TDE 2.6823 TRA 2.8065 TC3-3.2543 BAU 1.2340
 ROE .3803 RRA -.0692 RC3 .0625 FAU .01615
 FDE .7260 FRA 1.0805 FC3 -.4931 BSP 18338
 BDE 2.7092 BRA 2.8073 BC3 3.2549 FSP -471

MID-COURSE EXECUTION ACCURACY

SGT 5624.5 SGR 422.8 SG3 138.2
 RRT .2825 RRF .2624 RTF .9359
 SGB 5640.4 R23 -.0035 R13 .9359
 SG1 5625.8 SG2 405.5 TMA 1.22

ORBIT DETERMINATION ACCURACY

ST 3058.8 SR 410.0 SS 675.8
 CRT .9216 CRS -.8667 CST -.9921
 LSA 3154.1 MSA 179.6 SSA 15.8
 EL1 3082.1 EL2 157.9 ALF 7.06

LAUNCH DATE DEC 15 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 566.516

RL 147.24 LAL -0.00 LOL 82.81 VL 26.245 GAL 6.87 AZL 86.73 HCA 285.56 SMA 119.14 ECC .26294 INC 3.2669 V1 30.259
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.471 GAP 14.39 AZP 89.12 TAL 159.81 TAP 85.38 RCA 87.81 APO 150.46 V2 34.895
 RC 192.167 GL 15.43 GP -1.50 ZAL 53.68 ZAP 176.94 ETS 332.04 ZAE 130.50 ETE 181.58 ZAC 105.52 ETC 167.07 CLP-177.34

PLANETOCENTRIC CONIC

C3 31.146 VHL 5.581 DLA 26.10 RAL 22.66 RAD 6568.2 VEL 12.350 PTH 2.23 VHP 9.279 DPA .17 RAP 12.00 ECC 1.5126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 52 3323.01 -24.16 119.23 260.90 74.76 3 52 15 2723.0 -26.02 111.06
 90.00 23 36 48 3967.49 -7.40 158.94 254.13 62.59 24 42 56 3367.5 -11.01 152.13
 100.00 4 45 55 2971.45 -27.01 94.17 261.70 76.69 5 35 27 2371.4 -28.58 85.71
 100.00 0 34 22 3794.28 -4.81 144.80 252.72 60.46 1 37 36 3194.3 -8.70 138.19
 110.00 6 43 13 2604.45 -33.06 67.69 263.10 80.76 7 26 37 2004.4 -33.98 58.57
 110.00 0 53 34 3734.05 .43 136.99 249.46 55.82 1 55 48 3134.0 -4.06 130.78

DIFFERENTIAL CORRECTIONS

TDE 2.7455 TRA 3.1500 TC3-2.9466 BAU 1.2272
 ROE .4025 RRA -.0588 RC3 .0496 FAU .01468
 FDE .7153 FRA 1.1287 FC3 -.4079 BSP 18339
 BDE 2.7748 BRA 3.1506 BC3 2.9471 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 5635.0 SGR 422.3 SG3 134.2
 RRT .3114 RRF .2921 RTF .9390
 SGB 5648.9 R23 -.0019 R13 .9390
 SG1 5634.6 SG2 401.2 TMA 1.34

ORBIT DETERMINATION ACCURACY

ST 3020.2 SR 413.7 SS 665.7
 CRT .9146 CRS -.8607 CST -.9928
 LSA 3114.7 MSA 184.7 SSA 15.1
 EL1 3043.9 EL2 166.0 ALF 7.16

LAUNCH DATE DEC 15 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 571.644

RL 147.24 LAL -0.00 LOL 82.81 VL 26.204 GAL 7.68 AZL 86.76 HCA 288.75 SMA 118.91 ECC .27133 INC 3.2437 V1 30.259
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.452 GAP 14.95 AZP 88.96 TAL 158.16 TAP 86.91 RCA 86.64 APO 151.17 V2 34.906
 RC 194.054 GL 14.51 GP -1.47 ZAL 51.26 ZAP 177.63 ETS 323.26 ZAE 130.52 ETE 181.58 ZAC 107.81 ETC 167.07 CLP-178.14

PLANETOCENTRIC CONIC

C3 34.393 VHL 5.865 DLA 26.11 RAL 25.40 RAD 6568.4 VEL 12.481 PTH 2.26 VHP 9.619 DPA 1.18 RAP 14.15 ECC 1.5660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 39 3348.50 -23.69 120.95 265.43 74.02 4 3 28 2748.5 -25.66 112.83
 90.00 23 47 54 3991.95 -6.63 160.33 258.40 62.41 24 54 25 3392.0 -10.27 153.54
 100.00 4 56 45 2996.81 -26.60 95.94 266.30 75.84 5 46 42 2396.8 -28.29 87.54
 100.00 0 45 25 3818.87 -3.98 146.16 256.95 60.35 1 49 4 3218.9 -7.90 139.57
 110.00 6 54 5 2629.68 -32.76 69.60 267.84 79.66 7 37 55 2029.7 -33.84 60.53
 110.00 1 4 34 3758.76 1.38 138.28 253.62 55.84 2 7 13 3158.8 -3.12 132.07

DIFFERENTIAL CORRECTIONS

TDE 2.8030 TRA 3.5100 TC3-2.6515 BAU 1.2193
 ROE .4251 RRA -.0465 RC3 .0382 FAU .01333
 FDE .7039 FRA 1.1771 FC3 -.3355 BSP 18432
 BDE 2.8350 BRA 3.5103 BC3 2.6517 FSP -443

MID-COURSE EXECUTION ACCURACY

SGT 5635.2 SGR 420.8 SG3 130.1
 RRT .3395 RRF .3207 RTF .9424
 SGB 5650.9 R23 -.0009 R13 .9424
 SG1 5637.0 SG2 395.7 TMA 1.46

ORBIT DETERMINATION ACCURACY

ST 2969.9 SR 415.6 SS 654.8
 CRT .9073 CRS -.8545 CST -.9935
 LSA 3063.6 MSA 189.4 SSA 14.5
 EL1 2993.9 EL2 173.4 ALF 7.26

LAUNCH DATE DEC 15 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 1 1966

DISTANCE 576.668

HELIOCENTRIC CONIC
 RL 147.24 LAL -0.00 LOL 82.81 VL 26.163 GAL 8.55 AZL 86.78 HCA 291.93 SMA 118.68 ECC .28057 INC 3.2197 V1 30.259
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.435 GAP 15.56 AZP 88.80 TAL 156.54 TAP 88.47 RCA 85.38 APO 151.98 V2 34.918
 RC 195.918 GL 13.60 GP -1.44 ZAL 48.95 ZAP 178.22 ETS 307.62 ZAE 130.53 ETE 181.58 ZAC 110.10 ETC 167.04 CLP-178.96

PLANETOCENTRIC CONIC
 C3 38.177 VML 6.179 OLA 26.06 RAL 28.02 RAD 6568.5 VEL 12.631 PTH 2.29 VHP 9.989 DPA 2.18 RAP 16.30 ECC 1.6283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 12 3371.13 -23.26 122.47 269.94 73.37 4 15 24 2771.1 -25.31 114.40
 90.00 0 1 10 4022.06 -5.67 162.03 262.56 62.21 1 8 12 3422.1 -9.35 155.27
 100.00 5 8 1 3020.35 -26.20 97.58 270.85 75.07 5 58 21 2420.3 -27.99 89.23
 100.00 0 55 2 3848.08 -2.99 147.77 261.09 60.24 1 59 10 3248.1 -6.93 141.20
 110.00 7 5 3 2654.15 -32.45 71.44 272.53 78.61 7 49 17 2054.2 -33.68 62.42
 110.00 1 14 29 3787.04 2.46 139.75 257.70 55.89 2 17 36 3187.0 -2.04 133.55

DIFFERENTIAL CORRECTIONS
 TOE 2.8608 TRA 3.8938 TC3-2.3655 BAU 1.2074 SGT 5633.7 SGR 418.5 SG3 126.2 ST 2915.3 SR 415.8 SS 645.2
 RDE .4482 RRA -.0320 RC3 .0285 FAU .01201 RRT .3677 RRF .3496 RTF .9460 CRT .8998 CRS -.8484 CST -.9941
 FDE .6940 FRA 1.2283 FC3 -.2723 BSP 18502 SGB 5649.2 R23 .0000 R13 .9460 LSA 3008.4 MSA 193.7 SSA 13.8
 BDE 2.8957 BRA 3.8939 BC3 2.3657 FSP -431 SG1 5635.8 SG2 389.0 THA 1.57 EL1 2939.3 EL2 180.0 ALF 7.34

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 3 1966

DISTANCE 581.569

HELIOCENTRIC CONIC
 RL 147.24 LAL -0.00 LOL 82.81 VL 26.124 GAL 9.49 AZL 86.81 HCA 295.12 SMA 118.46 ECC .29077 INC 3.1945 V1 30.259
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.418 GAP 16.22 AZP 88.64 TAL 154.96 TAP 90.08 RCA 84.02 APO 152.91 V2 34.930
 RC 197.761 GL 12.71 GP -1.41 ZAL 46.75 ZAP 178.57 ETS 280.30 ZAE 130.52 ETE 181.59 ZAC 112.37 ETC 166.98 CLP-179.79

PLANETOCENTRIC CONIC
 C3 42.597 VML 6.527 OLA 25.96 RAL 30.50 RAD 6568.6 VEL 12.805 PTH 2.33 VHP 10.394 DPA 3.17 RAP 18.44 ECC 1.7010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 21 3391.27 -22.86 123.81 274.41 72.82 4 27 53 2791.3 -25.00 115.79
 90.00 0 8 51 4057.24 -4.55 164.00 266.62 62.02 1 16 29 3457.2 -8.26 157.29
 100.00 5 19 37 3042.26 -25.81 99.08 275.36 74.37 6 10 19 2442.3 -27.70 90.80
 100.00 1 3 17 3881.48 -1.86 149.60 265.13 60.16 2 7 59 3281.5 -5.82 143.05
 110.00 7 16 3 2677.94 -32.12 73.22 277.16 77.61 8 0 41 2077.9 -33.49 64.25
 110.00 1 23 20 3818.57 3.66 141.40 261.69 55.99 2 26 59 3218.6 -.83 135.20

DIFFERENTIAL CORRECTIONS
 TOE 2.9197 TRA 4.3034 TC3-2.0914 BAU 1.1911 SGT 5628.2 SGR 415.3 SG3 122.5 ST 2857.5 SR 414.2 SS 637.1
 RDE .4718 RRA -.0154 RC3 .0204 FAU .01071 RRT .3960 RRF .3785 RTF .9497 CRT .8921 CRS -.8424 CST -.9948
 FDE .6855 FRA 1.2824 FC3 -.2177 BSP 18559 SGB 5643.5 R23 .0007 R13 .9497 LSA 2950.2 MSA 197.4 SSA 13.2
 BDE 2.9576 BRA 4.3035 BC3 2.0915 FSP -419 SG1 5630.6 SG2 381.2 THA 1.68 EL1 2881.4 EL2 185.6 ALF 7.40

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 5 1966

DISTANCE 586.322

HELIOCENTRIC CONIC
 RL 147.24 LAL -0.00 LOL 82.81 VL 26.085 GAL 10.49 AZL 86.83 HCA 298.31 SMA 118.25 ECC .30205 INC 3.1680 V1 30.259
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.402 GAP 16.95 AZP 88.50 TAL 153.43 TAP 91.73 RCA 82.53 APO 153.97 V2 34.942
 RC 199.580 GL 11.83 GP -1.39 ZAL 44.68 ZAP 178.47 ETS 247.12 ZAE 130.49 ETE 181.59 ZAC 114.62 ETC 166.88 CLP 179.36

PLANETOCENTRIC CONIC
 C3 47.774 VML 6.912 OLA 25.81 RAL 32.86 RAD 6568.8 VEL 13.005 PTH 2.37 VHP 10.837 DPA 4.14 RAP 20.57 ECC 1.7862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 55 3409.33 -22.49 125.01 278.83 72.33 4 40 45 2809.3 -24.70 117.03
 90.00 0 15 4 4096.82 -3.29 166.22 270.56 61.86 1 23 21 3496.8 -7.03 159.54
 100.00 5 31 25 3062.78 -25.42 100.49 279.81 73.72 6 22 28 2462.8 -27.41 92.25
 100.00 1 10 15 3918.61 -.60 151.64 269.07 60.11 2 15 34 3318.6 -4.58 145.11
 110.00 7 27 0 2701.12 -31.77 74.93 281.72 76.65 8 12 2 2101.1 -33.27 66.03
 110.00 1 31 9 3853.04 4.97 143.21 265.61 56.14 2 35 22 3253.0 .49 136.99

DIFFERENTIAL CORRECTIONS
 TOE 2.9847 TRA 4.7449 TC3-1.8267 BAU 1.1668 SGT 5620.1 SGR 411.5 SG3 119.0 ST 2800.9 SR 411.0 SS 631.6
 RDE .4958 RRA .0037 RC3 .0141 FAU .00938 RRT .4249 RRF .4080 RTF .9535 CRT .8845 CRS -.8369 CST -.9954
 FDE .6799 FRA 1.3413 FC3 -.1699 BSP 18489 SGB 5635.1 R23 .0012 R13 .9536 LSA 2893.5 MSA 200.3 SSA 12.6
 BDE 3.0256 BRA 4.7449 BC3 1.8268 FSP -405 SG1 5622.8 SG2 372.3 THA 1.79 EL1 2824.5 EL2 190.2 ALF 7.43

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 7 1966

DISTANCE 590.898

HELIOCENTRIC CONIC
 RL 147.24 LAL -0.00 LOL 82.81 VL 26.047 GAL 11.57 AZL 86.86 HCA 301.50 SMA 118.04 ECC .31455 INC 3.1397 V1 30.259
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.387 GAP 17.75 AZP 88.36 TAL 151.95 TAP 93.45 RCA 80.91 APO 155.17 V2 34.955
 RC 201.376 GL 10.98 GP -1.36 ZAL 42.73 ZAP 177.96 ETS 223.96 ZAE 130.43 ETE 181.60 ZAC 116.84 ETC 166.74 CLP 178.48

PLANETOCENTRIC CONIC
 C3 53.860 VML 7.339 OLA 25.61 RAL 35.07 RAD 6568.9 VEL 13.237 PTH 2.42 VHP 11.326 DPA 5.09 RAP 22.69 ECC 1.8864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 43 3425.70 -22.15 126.09 283.18 71.89 4 53 49 2825.7 -24.42 118.15
 90.00 0 19 56 4140.13 -1.89 168.64 274.38 61.74 1 28 56 3540.1 -5.66 161.98
 100.00 5 43 18 3082.08 -25.05 101.80 284.18 73.13 6 34 40 2482.1 -27.12 93.61
 100.00 1 16 2 3998.98 .77 153.86 272.90 60.12 2 22 1 3359.0 -5.22 147.33
 110.00 7 37 50 2723.72 -31.40 76.59 286.19 75.74 8 23 14 2123.7 -33.04 67.75
 110.00 1 37 59 3890.11 6.37 145.17 269.43 56.34 2 42 49 3290.1 1.90 138.93

DIFFERENTIAL CORRECTIONS
 TOE 3.0480 TRA 5.2137 TC3-1.5818 BAU 1.1390 SGT 5606.1 SGR 406.7 SG3 115.6 ST 2738.8 SR 405.9 SS 626.8
 RDE .5199 RRA .0251 RC3 .0091 FAU .00812 RRT .4530 RRF .4368 RTF .9575 CRT .8767 CRS -.8314 CST -.9960
 FDE .6747 FRA 1.4029 FC3 -.1305 BSP 18541 SGB 5620.8 R23 .0014 R13 .9575 LSA 2831.5 MSA 202.4 SSA 12.0
 BDE 3.0920 BRA 5.2137 BC3 1.5818 FSP -394 SG1 5609.1 SG2 362.3 THA 1.89 EL1 2762.0 EL2 193.7 ALF 7.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 15 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL '9 1966

HELIOCENTRIC CONIC

DISTANCE 595.258

RL 147.24 LAL -0.00 LOL 82.81 VL 26.010 GAL 12.75 AZL 86.89 HCA 304.69 SMA 117.84 ECC .32846 INC 3.1095 V1 30.259
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.373 GAP 18.63 AZP 88.23 TAL 150.54 TAP 95.23 RCA 79.13 APO 156.55 V2 34.968
 RC 203.147 GL 10.14 GP -1.34 ZAL 40.90 ZAP 177.23 ETS 211.08 ZAE 130.34 ETE 181.60 ZAC 119.04 ETC 166.57 CLP 177.57

PLANETOCENTRIC CONIC

C3 61.044 VHL 7.813 DLA 25.38 RAL 37.14 RAD 6569.1 VEL 13.506 PTH 2.47 VHP 11.867 DPA 6.02 RAP 24.78 ECC 2.0046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 35 3440.70 -21.83 127.07 287.46 71.50 5 6 56 2840.7 -24.15 119.17
 90.00 0 23 35 4186.51 -4.40 171.23 278.08 61.69 1 33 22 3586.5 -4.18 164.59
 100.00 5 55 10 3100.32 -24.68 103.03 288.46 72.58 6 46 50 2500.3 -26.83 94.89
 100.00 1 20 42 4002.12 2.23 156.22 276.62 60.18 2 27 24 3402.1 -1.76 149.70
 110.00 7 48 29 2745.75 -31.02 78.19 290.55 74.86 8 34 15 2145.7 -32.78 69.42
 110.00 1 43 51 3929.46 7.85 147.25 273.15 56.62 2 49 21 3329.5 3.41 140.98

DIFFERENTIAL CORRECTIONS

TOE 3.1165 TRA 5.7182 TC3-1.3518 BAU 1.1032
 RDE .5441 RRA .0490 RC3 .0055 FAU .00684
 FDE .6717 FRA 1.4699 FC3 -.0971 BSP 18560
 BDE 3.1637 BRA 5.7184 BC3 1.3518 FSP -383

MID-COURSE EXECUTION ACCURACY

SGT 5588.0 SGR 401.1 SG3 112.3
 RRT .4812 RRF .4657 RTF .9616
 SGB 5602.3 R23 .0013 R13 .9616
 SG1 5591.3 SG2 351.4 THA 1.99

ORBIT DETERMINATION ACCURACY

ST 2676.9 SR 399.2 SS 624.3
 CRT .8689 CRS -.8262 CST -.9966
 LSA 2770.1 MSA 203.4 SSA 11.5
 EL1 2699.4 EL2 195.9 ALF 7.42

LAUNCH DATE DEC 15 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 599.353

RL 147.24 LAL -0.00 LOL 82.81 VL 25.974 GAL 14.03 AZL 86.92 HCA 307.89 SMA 117.64 ECC .34398 INC 3.0768 V1 30.259
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.359 GAP 19.62 AZP 88.11 TAL 149.22 TAP 97.11 RCA 77.18 APO 158.11 V2 34.981
 RC 204.893 GL 9.33 GP -1.32 ZAL 39.20 ZAP 176.38 ETS 203.64 ZAE 130.21 ETE 181.61 ZAC 121.20 ETC 166.36 CLP 176.63

PLANETOCENTRIC CONIC

C3 69.568 VHL 8.341 DLA 25.10 RAL 39.06 RAD 6569.3 VEL 13.817 PTH 2.52 VHP 12.468 DPA 6.93 RAP 26.85 ECC 2.1449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 22 3454.56 -21.52 127.97 291.62 71.14 5 19 57 2854.6 -23.90 120.11
 90.00 0 26 9 4235.36 1.18 173.95 281.65 61.71 1 36 44 3635.4 -2.61 167.32
 100.00 6 6 53 3117.59 -24.33 104.19 292.63 72.07 6 58 51 2517.6 -26.55 96.10
 100.00 1 24 19 4047.57 3.76 158.72 280.22 60.32 2 31 46 3447.6 -.22 152.20
 110.00 7 58 53 2767.16 -30.63 79.74 294.80 74.02 8 45 1 2167.2 -32.51 71.03
 110.00 1 48 48 3970.75 9.39 149.46 276.77 56.98 2 54 59 3370.8 4.98 143.15

DIFFERENTIAL CORRECTIONS

TOE 3.1917 TRA 6.2625 TC3-1.1379 BAU 1.0583
 RDE .5685 RRA .0756 RC3 .0031 FAU .00554
 FDE .6712 FRA 1.5428 FC3 -.0689 BSP 18566
 BDE 3.2419 BRA 6.2630 BC3 1.1379 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 5565.8 SGR 394.7 SG3 109.1
 RRT .5093 RRF .4946 RTF .9657
 SGB 5579.8 R23 .0011 R13 .9657
 SG1 5569.5 SG2 339.5 THA 2.08

ORBIT DETERMINATION ACCURACY

ST 2615.6 SR 390.9 SS 624.3
 CRT .8614 CRS -.8215 CST -.9971
 LSA 2709.7 MSA 203.3 SSA 10.9
 EL1 2637.3 EL2 196.9 ALF 7.38

LAUNCH DATE DEC 15 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 603.123

RL 147.24 LAL -0.00 LOL 82.81 VL 25.939 GAL 15.44 AZL 86.96 HCA 311.08 SMA 117.46 ECC .36135 INC 3.0411 V1 30.259
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.347 GAP 20.73 AZP 88.00 TAL 147.99 TAP 99.08 RCA 75.01 APO 159.90 V2 34.994
 RC 208.614 GL 8.54 GP -1.30 ZAL 37.64 ZAP 175.45 ETS 198.94 ZAE 130.03 ETE 181.61 ZAC 123.31 ETC 166.11 CLP 175.64

PLANETOCENTRIC CONIC

C3 79.745 VHL 8.930 DLA 24.79 RAL 40.84 RAD 6569.6 VEL 14.181 PTH 2.58 VHP 13.141 DPA 7.80 RAP 28.90 ECC 2.3124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 57 3467.40 -21.24 128.81 295.66 70.82 5 32 44 2867.4 -23.66 120.97
 90.00 0 27 41 4286.15 2.82 176.79 285.08 61.81 1 39 8 3686.2 -.97 170.16
 100.00 6 18 24 3133.89 -23.98 105.28 296.67 71.60 7 10 38 2533.9 -26.27 97.23
 100.00 1 26 56 4094.89 5.35 161.34 283.68 60.55 2 35 11 3494.9 1.39 154.79
 110.00 8 8 59 2787.88 -30.23 81.22 298.90 73.22 8 55 27 2187.9 -32.23 72.58
 110.00 1 52 50 4013.66 10.97 151.77 280.27 57.42 2 59 43 3413.7 6.60 145.41

DIFFERENTIAL CORRECTIONS

TOE 3.2797 TRA 6.8568 TC3 -.9377 BAU .9997
 RDE .5931 RRA .1052 RC3 .0018 FAU .00412
 FDE .6745 FRA 1.6242 FC3 -.0447 BSP 18455
 BDE 3.3329 BRA 6.8576 BC3 .9377 FSP -360

MID-COURSE EXECUTION ACCURACY

SGT 5542.3 SGR 387.7 SG3 106.2
 RRT .5378 RRF .5240 RTF .9697
 SGB 5555.8 R23 .0008 R13 .9697
 SG1 5546.2 SG2 326.7 THA 2.16

ORBIT DETERMINATION ACCURACY

ST 2558.2 SR 381.2 SS 627.9
 CRT .8544 CRS -.8176 CST -.9976
 LSA 2653.8 MSA 202.0 SSA 10.4
 EL1 2578.9 EL2 196.5 ALF 7.30

LAUNCH DATE DEC 15 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 606.485

RL 147.24 LAL -0.00 LOL 82.81 VL 25.906 GAL 16.99 AZL 87.00 HCA 314.28 SMA 117.28 ECC .38089 INC 3.0017 V1 30.259
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.336 GAP 21.97 AZP 87.90 TAL 146.89 TAP 101.17 RCA 72.61 APO 161.95 V2 35.007
 RC 208.309 GL 7.77 GP -1.29 ZAL 36.23 ZAP 174.44 ETS 195.76 ZAE 129.80 ETE 181.61 ZAC 125.37 ETC 165.83 CLP 174.59

PLANETOCENTRIC CONIC

C3 91.976 VHL 9.590 DLA 24.45 RAL 42.45 RAD 6569.8 VEL 14.605 PTH 2.65 VHP 13.897 DPA 8.64 RAP 30.90 ECC 2.5137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 14 3479.19 -20.97 129.57 299.56 70.53 5 45 13 2879.2 -23.44 121.76
 90.00 0 28 16 4338.43 4.49 179.72 288.37 62.01 1 40 34 3738.4 .71 173.07
 100.00 6 29 36 3149.14 -23.65 106.29 300.56 71.16 7 22 5 2549.1 -26.00 98.28
 100.00 1 28 35 4143.72 6.98 164.05 287.01 60.86 2 37 38 3543.7 3.04 157.47
 110.00 8 18 43 2807.74 -29.83 82.63 302.83 72.48 9 5 31 2207.7 -31.93 74.05
 110.00 1 55 57 4057.88 12.58 154.19 283.65 57.95 3 3 35 3457.9 8.26 147.76

DIFFERENTIAL CORRECTIONS

TOE 3.3739 TRA 7.4978 TC3 -.7563 BAU .9300
 RDE .6176 RRA .1374 RC3 .0013 FAU .00267
 FDE .6797 FRA 1.7128 FC3 -.0251 BSP 18457
 BDE 3.4299 BRA 7.4991 BC3 .7563 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 5511.8 SGR 379.8 SG3 103.3
 RRT .5655 RRF .5526 RTF .9737
 SGB 5524.9 R23 .0003 R13 .9737
 SG1 5516.0 SG2 313.0 THA 2.24

ORBIT DETERMINATION ACCURACY

ST 2498.8 SR 370.0 SS 633.8
 CRT .8477 CRS -.8140 CST -.9980
 LSA 2596.6 MSA 199.5 SSA 9.8
 EL1 2518.5 EL2 194.7 ALF 7.20

LAUNCH DATE DEC 15 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 609.335

RL 147.24 LAL -.00 LOL 82.81 VL 25.874 GAL 18.72 AZL 87.04 HCA 317.49 SMA 117.11 ECC .40292 INC 2.9578 V1 30.259
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.326 GAP 23.38 AZP 87.82 TAL 145.93 TAP 103.42 RCA 69.92 APO 164.29 V2 35.020
 RC 209.976 GL 7.03 GP -1.27 ZAL 34.97 ZAP 173.35 ETS 193.47 ZAE 129.49 ETE 181.61 ZAC 127.36 ETC 165.51 CLP 173.47

PLANETOCENTRIC CONIC

C3 106.791 VHL 10.334 OLA 24.07 RAL 43.89 RAD 6570.0 VEL 15.104 PTH 2.72 VHP 14.753 DPA 9.45 RAP 32.84 ECC 2.7575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 8 3489.84 -20.73 130.26 303.27 70.27 5 57 18 2889.8 -23.23 122.48
 90.00 0 27 52 4391.81 6.19 182.72 291.50 62.31 1 41 4 3791.8 2.44 176.05
 100.00 6 40 26 3163.20 -23.34 107.22 304.26 70.77 7 33 10 2563.2 -25.74 99.25
 100.00 1 29 15 4193.68 8.63 166.84 290.18 61.27 2 39 8 3593.7 4.72 160.23
 110.00 8 28 3 2826.54 -29.44 83.96 306.57 71.78 9 15 9 2226.5 -31.64 75.44
 110.00 1 58 8 4103.10 14.20 156.69 286.89 58.57 3 6 31 3503.1 9.94 150.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.4825 TRA 8.1979 TC3 -.5904 BAU .8429 SGT 5477.2 SGR 371.2 SG3 100.6 ST 2441.3 SR 357.5 SS 643.2
 RDE .6425 RRA .1727 RC3 .0015 FAU .00107 RRT .5930 RRF .5811 RTF .9775 CRT .8417 CRS -.8111 CST -.9984
 FDE .6885 FRA 1.8117 FC3 -.0086 BSP 18438 SGB 5489.7 R23 -.0004 R13 .9775 LSA 2542.3 MSA 195.7 SSA 9.3
 BDE 3.5412 BRA 8.1997 BC3 .5904 FSP -342 SGI 5481.6 SG2 298.7 THA 2.31 ELI 2459.9 EL2 191.6 ALF 7.07

LAUNCH DATE DEC 15 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 611.533

RL 147.24 LAL -.00 LOL 82.81 VL 25.844 GAL 20.65 AZL 87.09 HCA 320.69 SMA 116.94 ECC .42788 INC 2.9082 V1 30.259
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.317 GAP 24.99 AZP 87.75 TAL 145.15 TAP 105.84 RCA 66.91 APO 166.98 V2 35.034
 RC 211.617 GL 6.30 GP -1.26 ZAL 33.87 ZAP 172.16 ETS 191.75 ZAE 129.09 ETE 181.60 ZAC 129.27 ETC 165.15 CLP 172.26

PLANETOCENTRIC CONIC

C3 124.891 VHL 11.175 OLA 23.66 RAL 45.15 RAD 6570.3 VEL 15.692 PTH 2.79 VHP 15.727 DPA 10.21 RAP 34.72 ECC 3.0554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 34 3499.13 -20.52 130.85 306.77 70.04 6 8 53 2899.1 -23.05 123.10
 90.00 0 26 29 4445.93 7.89 185.79 294.45 62.72 1 40 35 3845.9 4.17 179.08
 100.00 6 50 51 3175.83 -23.05 108.05 303.75 70.42 7 43 46 2575.8 -25.51 100.11
 100.00 1 28 54 4244.46 10.27 169.71 293.18 61.77 2 39 39 3644.5 6.42 163.04
 110.00 8 36 54 2844.01 -29.06 85.17 310.08 71.15 9 24 18 2244.0 -31.35 76.72
 110.00 1 59 20 4149.05 15.82 159.27 289.97 59.29 3 8 29 3549.0 11.63 152.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.6098 TRA 8.9667 TC3 -.4394 BAU .7336 SGT 5438.7 SGR 361.9 SG3 98.1 ST 2386.0 SR 343.9 SS 657.0
 RDE .6672 RRA .2111 RC3 .0023 FAU-.00076 RRT .6202 RRF .6094 RTF .9812 CRT .8366 CRS -.8092 CST -.9987
 FDE .7020 FRA 1.9229 FC3 .0053 BSP 18390 SGB 5450.7 R23 -.0010 R13 .9812 LSA 2491.3 MSA 190.6 SSA 8.7
 BDE 3.6710 BRA 8.9692 BC3 .4394 FSP -333 SGI 5443.4 SG2 283.6 THA 2.37 ELI 2403.4 EL2 187.0 ALF 6.92

LAUNCH DATE DEC 15 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 612.895

RL 147.24 LAL -.00 LOL 82.81 VL 25.816 GAL 22.82 AZL 87.15 HCA 323.90 SMA 116.80 ECC .45627 INC 2.8511 V1 30.259
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.310 GAP 26.84 AZP 87.70 TAL 144.59 TAP 108.49 RCA 63.51 APO 170.09 V2 35.047
 RC 213.230 GL 5.60 GP -1.24 ZAL 32.96 ZAP 170.87 ETS 190.40 ZAE 128.59 ETE 181.60 ZAC 131.07 ETC 164.76 CLP 170.95

PLANETOCENTRIC CONIC

C3 147.218 VHL 12.133 OLA 23.21 RAL 46.21 RAD 6570.6 VEL 16.387 PTH 2.86 VHP 16.842 DPA 10.92 RAP 36.51 ECC 3.4228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 21 29 3506.72 -20.34 131.34 310.03 69.86 6 19 56 2906.7 -22.90 123.60
 90.00 0 24 3 4500.55 9.58 188.91 297.19 63.23 1 39 4 3900.5 5.91 182.15
 100.00 7 0 44 3186.70 -22.80 108.76 310.99 70.13 7 53 51 2586.7 -25.30 100.85
 100.00 1 27 29 4295.80 11.91 172.65 295.97 62.38 2 39 5 3695.8 8.12 165.91
 110.00 8 45 14 2859.79 -28.71 86.27 313.33 70.59 9 32 54 2259.8 -31.08 77.87
 110.00 1 59 29 4195.47 17.41 161.93 292.85 60.11 3 9 24 3595.5 13.30 155.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.7642 TRA 9.8178 TC3 -.3020 BAU .5943 SGT 5398.2 SGR 352.0 SG3 95.7 ST 2334.5 SR 329.4 SS 676.2
 RDE .6926 RRA .2528 RC3 .0036 FAU-.00295 RRT .6473 RRF .6375 RTF .9845 CRT .8327 CRS -.8085 CST -.9990
 FDE .7216 FRA 2.0499 FC3 .0173 BSP 18231 SGB 5409.7 R23 -.0017 R13 .9845 LSA 2445.8 MSA 184.2 SSA 8.2
 BDE 3.8273 BRA 9.8210 BC3 .3020 FSP -323 SGI 5403.0 SG2 268.1 THA 2.42 ELI 2350.7 EL2 181.1 ALF 6.74

LAUNCH DATE DEC 15 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 613.169

RL 147.24 LAL -.00 LOL 82.81 VL 25.790 GAL 25.30 AZL 87.22 HCA 327.11 SMA 116.66 ECC .48866 INC 2.7845 V1 30.259
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.305 GAP 28.97 AZP 87.66 TAL 144.31 TAP 111.41 RCA 59.65 APO 173.67 V2 35.060
 RC 214.816 GL 4.91 GP -1.23 ZAL 32.26 ZAP 169.44 ETS 189.31 ZAE 127.96 ETE 181.58 ZAC 132.74 ETC 164.36 CLP 169.51

PLANETOCENTRIC CONIC

C3 175.048 VHL 13.231 OLA 22.71 RAL 47.05 RAD 6570.9 VEL 17.215 PTH 2.94 VHP 18.129 DPA 11.57 RAP 38.18 ECC 3.8808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 49 3512.19 -20.21 131.69 312.99 69.73 6 30 21 2912.2 -22.79 123.96
 90.00 0 20 26 4555.44 11.25 192.08 299.68 63.84 1 36 22 3955.4 7.64 185.26
 100.00 7 10 4 3195.38 -22.60 109.32 313.93 69.90 8 3 19 2595.4 -25.13 101.44
 100.00 1 24 52 4347.48 13.52 175.64 298.52 63.09 2 37 20 3747.5 9.81 168.82
 110.00 8 52 57 2873.49 -28.39 87.21 316.26 70.11 9 40 51 2273.5 -30.83 78.86
 110.00 1 58 28 4242.14 18.97 164.64 295.51 61.02 3 9 10 3642.1 14.96 157.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.9413 TRA10.7520 TC3 -.1804 BAU .4223 SGT 5349.8 SGR 341.3 SG3 93.4 ST 2281.8 SR 313.9 SS 700.2
 RDE .7184 RRA .2974 RC3 .0052 FAU-.00551 RRT .6732 RRF .6645 RTF .9876 CRT .8299 CRS -.8086 CST -.9993
 FDE .7463 FRA 2.1930 FC3 .0273 BSP 18177 SGB 5360.6 R23 -.0025 R13 .9876 LSA 2400.9 MSA 176.7 SSA 7.6
 BDE 4.0063 BRA10.7561 BC3 .1805 FSP -316 SGI 5354.7 SG2 252.1 THA 2.46 ELI 2296.7 EL2 174.0 ALF 6.55

LAUNCH DATE DEC 16 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 24 1966

HELIOCENTRIC CONIC

DISTANCE 195.088

RL 147.22 LAL -1.00 LOL 83.83 VL 28.085 GAL -10.67 AZL 86.62 HCA 88.66 SMA 130.86 ECC .22220 INC 3.3759 V1 30.262
 RP 107.66 LAP 3.38 LOP 172.48 VP 38.096 GAP -7.82 AZP 89.92 TAL 225.76 TAP 314.42 RCA 101.78 APO 159.94 V2 35.200
 RC 56.291 GL 15.85 GP 2.80 ZAL 147.92 ZAP 23.59 ETS 353.01 ZAE 151.69 ETE 345.50 ZAC 61.83 ETC 164.23 CLP -25.45

PLANETOCENTRIC CONIC

C3 35.401 VHL 5.950 DLA -5.97 RAL 291.33 RAD 6568.4 VEL 12.521 PTH 2.27 VHP 5.922 DPA -12.87 RAP 329.40 ECC 1.5826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 13 2169.44 -18.45 38.64 160.77 111.87 2 30 23 1569.4 -15.32 31.37
 90.00 12 22 58 5185.61 25.93 232.24 164.59 78.20 13 49 23 4585.6 24.04 224.08
 100.00 3 12 44 1916.16 -19.66 19.49 160.24 112.98 3 44 40 1316.2 -16.38 12.23
 100.00 13 47 8 4914.12 27.21 211.96 164.28 77.12 15 9 2 4314.1 25.16 203.76
 110.00 4 14 30 1722.79 -22.90 3.23 158.65 116.10 4 43 13 1122.8 -19.21 356.04
 110.00 15 1 51 4680.26 30.66 193.20 163.26 74.09 16 19 52 4080.3 28.18 184.88

DIFFERENTIAL CORRECTIONS

TOE -.1749 TRA -.3216 TC3 .3489 BAU .1686
 RDE -.3916 RRA .0646 RC3 -.0720 FAU .06225
 FDE .4782 FRA -.8121 FC3 -1.5224 BSP 1328
 BOE .4289 BRA .3281 BC3 .3563 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 545.7 SGR 391.7 SG3 175.2
 RRT .0395 RRF -.0852 RTF -.5286
 SGB 671.7 R23 -.0423 R13 -.5308
 SG1 546.1 SG2 391.1 TMA 3.34

ORBIT DETERMINATION ACCURACY

ST 193.0 SR 377.6 SS 266.2
 CRT .8470 CRS .9059 CST .5597
 LSA 477.8 MSA 147.7 SSA 23.9
 EL1 413.6 EL2 93.7 ALF 65.24

LAUNCH DATE DEC 16 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC

DISTANCE 201.858

RL 147.22 LAL -1.00 LOL 83.83 VL 28.184 GAL -10.59 AZL 86.65 HCA 91.89 SMA 131.59 ECC .21776 INC 3.3510 V1 30.262
 RP 107.69 LAP 3.35 LOP 175.73 VP 38.161 GAP -7.02 AZP 90.11 TAL 226.98 TAP 318.87 RCA 102.93 APO 160.24 V2 35.191
 RC 58.184 GL 15.97 GP 3.01 ZAL 148.59 ZAP 29.22 ETS 353.45 ZAE 152.82 ETE 345.94 ZAC 61.40 ETC 164.28 CLP -29.07

PLANETOCENTRIC CONIC

C3 34.625 VHL 5.884 DLA -5.97 RAL 290.50 RAD 6568.4 VEL 12.490 PTH 2.26 VHP 5.532 DPA -12.80 RAP 328.95 ECC 1.5698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 55 2163.86 -18.31 38.30 159.57 111.99 2 26 59 1563.9 -15.16 31.03
 90.00 12 19 40 5179.99 25.85 231.85 163.35 78.01 13 46 0 4580.0 23.94 223.70
 100.00 3 9 25 1910.59 -19.51 19.14 159.04 113.10 3 41 16 1310.6 -16.22 11.90
 100.00 13 43 50 4908.50 27.12 211.57 163.03 76.93 15 5 38 4308.5 25.05 203.38
 110.00 4 11 11 1717.21 -22.74 2.88 157.45 116.24 4 39 49 1117.2 -19.02 355.71
 110.00 14 58 33 4674.64 30.56 192.79 162.01 73.87 16 16 28 4074.6 28.04 184.50

DIFFERENTIAL CORRECTIONS

TOE -.1699 TRA -.3201 TC3 .3468 BAU .1636
 RDE -.3875 RRA .0651 RC3 -.0680 FAU .06968
 FDE .5408 FRA -.9465 FC3 -1.7422 BSP 1283
 BOE .4232 BRA .3267 BC3 .3534 FSP -551

MID-COURSE EXECUTION ACCURACY

SGT 540.5 SGR 391.0 SG3 199.7
 RRT .0464 RRF -.1038 RTF -.5072
 SGB 667.1 R23 -.0547 R13 -.5106
 SG1 541.2 SG2 390.1 TMA 4.01

ORBIT DETERMINATION ACCURACY

ST 190.7 SR 377.8 SS 286.1
 CRT .8411 CRS .9014 CST .5408
 LSA 486.3 MSA 154.8 SSA 23.9
 EL1 412.6 EL2 94.5 ALF 65.64

LAUNCH DATE DEC 16 1965

FLIGHT TIME 74.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 208.598

RL 147.22 LAL -1.00 LOL 83.83 VL 28.269 GAL -10.52 AZL 86.67 HCA 95.13 SMA 132.22 ECC .21396 INC 3.3261 V1 30.262
 RP 107.72 LAP 3.31 LOP 178.96 VP 38.215 GAP -6.25 AZP 90.30 TAL 228.04 TAP 323.17 RCA 103.93 APO 160.51 V2 35.181
 RC 60.133 GL 16.07 GP 3.24 ZAL 149.16 ZAP 33.05 ETS 353.82 ZAE 154.29 ETE 346.33 ZAC 60.76 ETC 164.32 CLP -32.91

PLANETOCENTRIC CONIC

C3 33.944 VHL 5.826 DLA -5.98 RAL 289.79 RAD 6568.3 VEL 12.463 PTH 2.25 VHP 5.173 DPA -12.77 RAP 328.29 ECC 1.5586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 8 2158.63 -18.17 37.97 158.53 112.10 2 24 6 1558.6 -15.02 30.71
 90.00 12 16 46 5175.19 25.78 231.52 162.27 77.86 13 43 2 4575.2 23.85 223.38
 100.00 3 6 38 1905.37 -19.37 18.82 158.00 113.22 3 38 24 1305.4 -16.07 11.59
 100.00 13 40 57 4903.69 27.05 211.23 161.95 76.77 15 2 41 4303.7 24.96 203.05
 110.00 4 8 24 1712.01 -22.58 2.56 156.41 116.37 4 36 56 1112.0 -18.85 355.40
 110.00 14 55 41 4669.81 30.46 192.45 160.92 73.68 16 13 31 4069.8 27.93 184.17

DIFFERENTIAL CORRECTIONS

TOE -.1617 TRA -.3222 TC3 .3387 BAU .1563
 RDE -.3832 RRA .0666 RC3 -.0625 FAU .07809
 FDE .6081 FRA -1.0975 FC3 -1.9918 BSP 1244
 BOE .4159 BRA .3290 BC3 .3444 FSP -641

MID-COURSE EXECUTION ACCURACY

SGT 531.6 SGR 389.5 SG3 227.3
 RRT .0492 RRF -.1247 RTF -.4757
 SGB 659.0 R23 -.0744 R13 -.4807
 SG1 532.3 SG2 388.4 TMA 4.42

ORBIT DETERMINATION ACCURACY

ST 185.9 SR 377.4 SS 305.9
 CRT .8268 CRS .8968 CST .5092
 LSA 493.7 MSA 162.1 SSA 23.9
 EL1 409.5 EL2 96.4 ALF 66.46

LAUNCH DATE DEC 16 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 215.305

RL 147.22 LAL -1.00 LOL 83.83 VL 28.340 GAL -10.45 AZL 86.70 HCA 98.36 SMA 132.75 ECC .21070 INC 3.3009 V1 30.262
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.258 GAP -5.52 AZP 90.48 TAL 228.96 TAP 327.32 RCA 104.78 APO 160.72 V2 35.171
 RC 62.133 GL 16.14 GP 3.49 ZAL 149.64 ZAP 37.11 ETS 354.15 ZAE 156.08 ETE 346.66 ZAC 59.90 ETC 164.35 CLP -36.97

PLANETOCENTRIC CONIC

C3 33.334 VHL 5.774 DLA -5.99 RAL 289.19 RAD 6568.3 VEL 12.438 PTH 2.25 VHP 4.847 DPA -12.80 RAP 327.41 ECC 1.5486
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 51 2153.67 -18.05 37.66 157.62 112.20 2 21 45 1553.7 -14.88 30.42
 90.00 12 14 18 5171.00 25.72 231.23 161.34 77.73 13 40 29 4571.0 23.77 223.10
 100.00 3 4 21 1900.42 -19.24 18.51 157.09 113.33 3 36 1 1300.4 -15.92 11.29
 100.00 13 38 29 4899.48 26.98 210.94 161.02 76.62 15 0 9 4299.5 24.87 202.77
 110.00 4 6 6 1707.11 -22.43 2.25 155.51 116.50 4 34 33 1107.1 -18.69 355.12
 110.00 14 53 14 4665.56 30.38 192.14 159.99 73.52 16 10 59 4065.6 27.83 183.88

DIFFERENTIAL CORRECTIONS

TOE -.1527 TRA -.3315 TC3 .3201 BAU .1448
 RDE -.3786 RRA .0690 RC3 -.0556 FAU .08725
 FDE .6890 FRA -1.2593 FC3 -2.2660 BSP 1138
 BOE .4083 BRA .3386 BC3 .3249 FSP -737

MID-COURSE EXECUTION ACCURACY

SGT 518.6 SGR 387.4 SG3 257.6
 RRT .0519 RRF -.1506 RTF -.4233
 SGB 647.3 R23 -.1011 R13 -.4308
 SG1 519.5 SG2 386.2 TMA 4.98

ORBIT DETERMINATION ACCURACY

ST 181.5 SR 376.3 SS 327.2
 CRT .8035 CRS .8948 CST .4690
 LSA 502.2 MSA 169.8 SSA 23.7
 EL1 405.6 EL2 100.2 ALF 67.36

LAUNCH DATE DEC 16 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 4 1966

DISTANCE 221.979

MELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 28.398 GAL -10.38 AZL 86.72 HCA 101.59 SMA 133.19 ECC .20789 INC 3.2753 V1 30.262
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.292 GAP -4.83 A7P 90.66 TAL 229.72 TAP 331.31 RCA 105.50 APO 160.88 V2 35.160
 RC 64.180 GL 16.19 GP 3.77 ZAL 150.03 ZAP 41.40 ETS 354.43 ZAE 158.21 ETE 346.94 ZAC 58.80 ETC 164.35 CLP -41.26

PLANETOCENTRIC CONIC
 C3 32.776 VML 5.723 DLA -6.01 RAL 288.71 RAD 6568.3 VEL 12.416 PTH 2.24 VMP 4.552 DPA -12.87 RAP 326.29 ECC 1.5394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 2 2148.90 -17.92 37.37 156.85 112.30 2 19 51 1548.9 -14.74 30.13
 90.00 12 12 15 5167.26 25.66 230.96 160.55 77.61 13 38 22 4567.3 23.70 222.85
 100.00 3 2 32 1895.68 -19.11 18.22 156.33 113.43 3 34 8 1295.7 -15.78 11.01
 100.00 13 36 26 4895.71 26.92 210.67 160.22 76.50 14 58 2 4295.7 24.80 202.52
 110.00 4 4 16 1702.43 -22.29 1.97 154.74 116.61 4 32 38 1102.4 -18.53 354.84
 110.00 14 51 12 4661.73 30.31 191.87 159.19 73.38 16 8 54 4061.7 27.73 183.62

MID-COURSE EXECUTION ACCURACY
 SGT 503.6 SGR 384.8 SG3 290.6
 RRT .0480 RRF -.1806 RTF -.3469
 SGB 633.8 R23 -.1408 R13 -.3570
 SG1 504.4 SG2 383.7 THA 4.99

ORBIT DETERMINATION ACCURACY
 ST 176.1 SR 374.6 SS 348.6
 CRT .7653 CRS .8937 CST .4104
 LSA 510.7 MSA 177.4 SSA 23.5
 EL1 400.1 EL2 106.1 ALF 68.64

DIFFERENTIAL CORRECTIONS
 TOE -.1410 TRA -.3470 TC3 .2919 BAU .1296
 RDE -.3737 RRA .0724 RC3 -.0471 FAU .09722
 FDE .7681 FRA-1.4329 FC3-2.5679 B3P 1000
 BDE .3994 BRA .3545 BC3 .2957 F3P -843

LAUNCH DATE DEC 16 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 6 1966

DISTANCE 228.617

MELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 28.446 GAL -10.31 AZL 86.75 HCA 104.82 SMA 133.55 ECC .20545 INC 3.2491 V1 30.262
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.317 GAP -4.16 A7P 90.83 TAL 230.32 TAP 335.14 RCA 106.11 APO 160.99 V2 35.149
 RC 66.268 GL 16.22 GP 4.06 ZAL 150.34 ZAP 45.93 ETS 354.71 ZAE 160.68 ETE 347.15 ZAC 57.48 ETC 164.33 CLP -45.79

PLANETOCENTRIC CONIC
 C3 32.255 VML 5.679 DLA -6.02 RAL 288.33 RAD 6568.3 VEL 12.395 PTH 2.24 VMP 4.288 DPA -12.99 RAP 324.93 ECC 1.5308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 40 2144.28 -17.80 37.08 156.21 112.39 2 18 25 1544.3 -14.61 29.85
 90.00 12 10 36 5163.82 25.61 230.73 159.88 77.50 13 36 39 4563.8 23.64 222.61
 100.00 3 1 9 1891.09 -18.99 17.93 155.68 113.53 3 32 40 1291.1 -15.64 10.74
 100.00 13 34 48 4892.24 26.87 210.43 159.55 76.38 14 56 20 4292.2 24.73 202.28
 110.00 4 2 52 1697.90 -22.15 1.69 154.09 116.73 4 31 10 1097.9 -18.38 354.58
 110.00 14 49 35 4658.20 30.24 191.62 158.51 73.24 16 7 13 4058.2 27.65 183.38

MID-COURSE EXECUTION ACCURACY
 SGT 489.3 SGR 381.9 SG3 326.5
 RRT .0308 RRF -.2144 RTF -.2417
 SGB 620.6 R23 -.1953 R13 -.2513
 SG1 489.6 SG2 381.4 THA 3.51

ORBIT DETERMINATION ACCURACY
 ST 169.3 SR 372.2 SS 369.1
 CRT .7041 CRS .8926 CST .3231
 LSA 518.4 MSA 184.7 SSA 23.3
 EL1 392.7 EL2 114.0 ALF 70.53

DIFFERENTIAL CORRECTIONS
 TOE -.1254 TRA -.3686 TC3 .2544 BAU .1109
 RDE -.3682 RRA .0768 RC3 -.0369 FAU .10801
 FDE .8529 FRA-1.6181 FC3-2.8990 B3P 852
 BDE .3890 BRA .3765 BC3 .2571 F3P -965

LAUNCH DATE DEC 16 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 8 1966

DISTANCE 235.221

MELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 28.482 GAL -10.25 AZL 86.78 HCA 108.05 SMA 133.83 ECC .20332 INC 3.2222 V1 30.262
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.333 GAP -3.53 A7P 91.00 TAL 230.78 TAP 338.83 RCA 106.62 APO 161.04 V2 35.138
 RC 68.394 GL 16.23 GP 4.37 ZAL 150.57 ZAP 50.69 ETS 354.98 ZAE 163.46 ETE 347.28 ZAC 55.92 ETC 164.33 CLP -50.55

PLANETOCENTRIC CONIC
 C3 31.758 VML 5.635 DLA -6.04 RAL 288.05 RAD 6568.3 VEL 12.375 PTH 2.23 VMP 4.055 DPA -13.15 RAP 323.34 ECC 1.5227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 43 2139.73 -17.68 36.80 155.67 112.48 2 17 23 1539.7 -14.48 29.58
 90.00 12 9 20 5160.54 25.57 230.50 159.32 77.39 13 35 21 4560.5 23.57 222.39
 100.00 3 0 12 1886.58 -18.86 17.65 155.14 113.63 3 31 38 1286.6 -15.51 10.47
 100.00 13 33 33 4888.94 26.81 210.20 159.00 76.27 14 55 2 4288.9 24.66 202.06
 110.00 4 1 52 1693.46 -22.01 1.41 153.55 116.84 4 30 6 1093.5 -18.24 354.32
 110.00 14 48 21 4654.82 30.17 191.38 157.95 73.11 16 5 56 4054.8 27.56 183.15

MID-COURSE EXECUTION ACCURACY
 SGT 480.8 SGR 378.9 SG3 363.6
 RRT -.0013 RRF -.2541 RTF -.0955
 SGB 612.2 R23 .2544 R13 .0949
 SG1 480.8 SG2 378.9 THA 179.85

ORBIT DETERMINATION ACCURACY
 ST 154.6 SR 369.3 SS 390.1
 CRT .6152 CRS .8939 CST .2103
 LSA 527.6 MSA 191.8 SSA 23.0
 EL1 384.6 EL2 124.6 ALF 72.80

DIFFERENTIAL CORRECTIONS
 TOE -.1081 TRA -.3990 TC3 .2037 BAU .0871
 RDE -.3624 RRA .0821 RC3 -.0250 FAU .11909
 FDE .9442 FRA-1.8037 FC3-3.2465 B3P 646
 BDE .3781 BRA .4074 BC3 .2052 F3P -1087

LAUNCH DATE DEC 16 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 10 1966

DISTANCE 241.788

MELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 28.509 GAL -10.17 AZL 86.81 HCA 111.27 SMA 134.04 ECC .20145 INC 3.1942 V1 30.262
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.343 GAP -2.93 A7P 91.16 TAL 231.10 TAP 342.37 RCA 107.04 APO 161.04 V2 35.126
 RC 70.553 GL 16.24 GP 4.70 ZAL 150.72 ZAP 55.66 ETS 355.25 ZAE 166.55 ETE 347.30 ZAC 54.15 ETC 164.30 CLP -55.53

PLANETOCENTRIC CONIC
 C3 31.275 VML 5.592 DLA -6.07 RAL 287.87 RAD 6568.2 VEL 12.355 PTH 2.23 VMP 3.853 DPA -13.35 RAP 321.53 ECC 1.5147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 9 2135.21 -17.57 36.52 155.23 112.57 2 16 44 1535.2 -14.36 29.31
 90.00 12 8 27 5157.35 25.52 230.28 158.86 77.29 13 34 24 4557.4 23.51 222.18
 100.00 2 59 37 1882.09 -18.74 17.38 154.70 113.72 3 30 59 1282.1 -15.38 10.20
 100.00 13 32 40 4885.71 26.76 209.97 158.54 76.16 14 54 6 4285.7 24.59 201.84
 110.00 4 1 16 1689.04 -21.88 1.14 153.12 116.94 4 29 26 1089.0 -18.09 354.06
 110.00 14 47 30 4651.52 30.11 191.14 157.49 72.99 16 5 1 4051.5 27.48 182.93

MID-COURSE EXECUTION ACCURACY
 SGT 484.8 SGR 376.0 SG3 402.1
 RRT -.0579 RRF -.2975 RTF .0828
 SGB 613.6 R23 .2850 R13 -.1075
 SG1 486.1 SG2 374.5 THA 173.65

ORBIT DETERMINATION ACCURACY
 ST 161.5 SR 365.7 SS 408.8
 CRT .4854 CRS .8946 CST .0566
 LSA 535.7 MSA 198.4 SSA 22.7
 EL1 375.3 EL2 137.5 ALF 75.98

DIFFERENTIAL CORRECTIONS
 TOE -.0866 TRA -.4362 TC3 .1419 BAU .0595
 RDE -.3559 RRA .0883 RC3 -.0113 FAU .13053
 FDE 1.0304 FRA-1.9908 FC3-3.6132 B3P 464
 BDE .3663 BRA .4451 BC3 .1424 F3P -1222

LAUNCH DATE DEC 16 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 248.320

RL 147.22 LAL -.00 LOL 83.83 VL 28.527 GAL -10.10 AZL 86.83 MCA 114.49 SMA 134.18 ECC .19979 INC 3.1650 VI 30.262
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.345 GAP -2.36 AZP 91.31 TAL 231.27 TAP 345.77 RCA 107.37 APO 160.99 V2 35.114
 RC 72.741 GL 16.23 GP 5.04 ZAL 150.81 ZAP 80.81 ETS 355.55 ZAE 189.89 ETE 347.09 ZAC 52.19 ETC 164.25 CLP -60.69

PLANETOCENTRIC CONIC

C3 30.796 VHL 5.549 DLA -6.09 RAL 287.78 RAD 6568.2 VEL 12.336 PTH 2.22 VHP 3.682 DPA -13.56 RAP 319.52 ECC 1.5068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 57 2130.66 -17.45 36.24 154.88 112.66 2 16 28 1530.7 -14.23 29.04
 90.00 12 7 55 5154.16 25.47 230.05 158.50 77.19 13 33 49 4554.2 23.45 221.97
 100.00 2 59 24 1877.57 -18.62 17.10 154.35 113.82 3 30 42 1277.6 -15.24 9.93
 100.00 13 32 9 4882.48 26.71 209.75 158.17 76.05 14 53 31 4282.5 24.53 201.63
 110.00 4 1 2 1684.60 -21.74 .87 152.77 117.05 4 29 7 1084.6 -17.94 353.80
 110.00 14 47 0 4648.22 30.04 190.91 157.12 72.86 16 4 28 4048.2 27.40 182.71

DIFFERENTIAL CORRECTIONS

TDE -.0631 TRA -.4823 TC3 .0661 BAU .0273
 RDE -.3489 RRA .0951 RC3 .0041 FAU .14149
 FDE 1.1175 FRA -2.1627 FC3 -3.9775 BSP 403
 BDE .3546 BRA .4916 BC3 .0662 FSP -1345

MID-COURSE EXECUTION ACCURACY

SGT 510.3 SGR 373.6 SG3 439.4
 RRT -.1345 RRF -.3460 RTF .2796
 SGB 632.5 R23 .2680 R13 -.3213
 SG1 515.4 SG2 366.5 TMA 168.50

ORBIT DETERMINATION ACCURACY

ST 163.8 SR 361.5 SS 427.1
 CRT .3215 CRS .8976 CST -.1169
 LSA 545.6 MSA 204.4 SSA 22.4
 EL1 366.1 EL2 153.1 ALF 79.93

LAUNCH DATE DEC 16 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 254.816

RL 147.22 LAL -.00 LOL 83.83 VL 28.538 GAL -10.02 AZL 86.87 MCA 117.71 SMA 134.26 ECC .19830 INC 3.1343 VI 30.262
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.341 GAP -1.81 AZP 91.46 TAL 231.32 TAP 349.03 RCA 107.64 APO 160.88 V2 35.101
 RC 74.954 GL 16.20 GP 5.39 ZAL 150.82 ZAP 66.11 ETS 355.87 ZAE 173.45 ETE 346.34 ZAC 50.08 ETC 164.20 CLP -66.00

PLANETOCENTRIC CONIC

C3 30.317 VHL 5.506 DLA -6.11 RAL 287.77 RAD 6568.2 VEL 12.316 PTH 2.22 VHP 3.541 DPA -13.79 RAP 317.36 ECC 1.4989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 6 2126.02 -17.33 35.95 154.61 112.75 2 16 32 1526.0 -14.09 28.76
 90.00 12 7 44 5150.92 25.42 229.83 158.21 77.09 13 33 35 4550.9 23.39 221.75
 100.00 2 59 33 1872.96 -18.49 16.82 154.08 113.91 3 30 46 1273.0 -15.10 9.66
 100.00 13 31 58 4879.21 26.66 209.52 157.88 75.95 14 53 17 4279.2 24.46 201.41
 110.00 4 1 9 1680.07 -21.60 .60 152.50 117.16 4 29 9 1080.1 -17.79 353.54
 110.00 14 46 51 4644.86 29.97 190.67 156.83 72.74 16 4 16 4044.9 27.32 182.48

DIFFERENTIAL CORRECTIONS

TDE -.0364 TRA -.5351 TC3 -.0215 BAU .0122
 RDE -.3412 RRA .1025 RC3 .0212 FAU .15195
 FDE 1.1909 FRA -2.3208 FC3 -4.3391 BSP 620
 BDE .3432 BRA .5448 BC3 .0302 FSP -1475

MID-COURSE EXECUTION ACCURACY

SGT 561.8 SGR 371.7 SG3 475.3
 RRT -.2261 RRF -.3973 RTF .4615
 SGB 673.6 R23 .2264 R13 -.5021
 SG1 572.2 SG2 355.5 TMA 165.99

ORBIT DETERMINATION ACCURACY

ST 172.2 SR 356.5 SS 441.9
 CRT .1307 CRS .9000 CST -.3040
 LSA 554.7 MSA 209.5 SSA 22.1
 EL1 357.5 EL2 170.3 ALF 85.32

LAUNCH DATE DEC 16 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 261.278

RL 147.22 LAL -.00 LOL 83.83 VL 28.541 GAL -9.94 AZL 86.90 MCA 120.93 SMA 134.28 ECC .19695 INC 3.1018 VI 30.262
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.332 GAP -1.29 AZP 91.60 TAL 231.25 TAP 352.18 RCA 107.84 APO 160.73 V2 35.089
 RC 77.191 GL 16.17 GP 5.74 ZAL 150.78 ZAP 71.50 ETS 356.22 ZAE 177.17 ETE 342.91 ZAC 47.88 ETC 164.14 CLP -71.40

PLANETOCENTRIC CONIC

C3 29.830 VHL 5.462 DLA -6.13 RAL 287.85 RAD 6568.2 VEL 12.296 PTH 2.21 VHP 3.428 DPA -14.00 RAP 315.10 ECC 1.4909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 35 2121.22 -17.20 35.86 154.41 112.85 2 16 56 1521.2 -13.96 28.48
 90.00 12 7 51 5147.59 25.37 229.60 158.00 76.98 13 33 39 4547.6 23.33 221.53
 100.00 3 0 1 1868.21 -18.36 16.52 153.89 114.01 3 31 9 1268.2 -14.96 9.38
 100.00 13 32 7 4875.84 26.60 209.28 157.67 75.83 14 53 22 4275.8 24.39 201.18
 110.00 4 1 36 1675.40 -21.45 .31 152.31 117.27 4 29 31 1075.4 -17.63 353.27
 110.00 14 47 1 4641.42 29.90 190.43 156.61 72.61 16 4 22 4041.4 27.23 182.25

DIFFERENTIAL CORRECTIONS

TDE -.0082 TRA -.5952 TC3 -.1223 BAU .0513
 RDE -.3329 RRA .1101 RC3 .0397 FAU .16094
 FDE 1.2572 FRA -2.4457 FC3 -4.6709 BSP 1005
 BDE .3330 BRA .6053 BC3 .1286 FSP -1582

MID-COURSE EXECUTION ACCURACY

SGT 642.2 SGR 370.6 SG3 507.0
 RRT -.3182 RRF -.4513 RTF .6080
 SGB 741.4 R23 .1886 R13 -.6388
 SG1 657.1 SG2 343.3 TMA 165.58

ORBIT DETERMINATION ACCURACY

ST 188.7 SR 351.0 SS 455.2
 CRT -.0537 CRS .9043 CST -.4659
 LSA 565.5 MSA 213.9 SSA 21.8
 EL1 351.2 EL2 188.3 ALF 92.32

LAUNCH DATE DEC 16 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 267.704

RL 147.22 LAL -.00 LOL 83.83 VL 28.537 GAL -9.85 AZL 86.93 MCA 124.15 SMA 134.25 ECC .19571 INC 3.0670 VI 30.262
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.318 GAP -.79 AZP 91.72 TAL 231.05 TAP 355.20 RCA 107.98 APO 160.53 V2 35.076
 RC 79.446 GL 16.13 GP 6.10 ZAL 150.67 ZAP 76.92 ETS 356.61 ZAE 178.95 ETE 186.73 ZAC 45.65 ETC 164.09 CLP -76.84

PLANETOCENTRIC CONIC

C3 29.332 VHL 5.416 DLA -6.16 RAL 288.01 RAD 6568.2 VEL 12.276 PTH 2.21 VHP 3.344 DPA -14.19 RAP 312.79 ECC 1.4827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 24 2116.20 -17.07 35.35 154.29 112.94 2 17 40 1516.2 -13.81 28.18
 90.00 12 8 17 5144.18 25.32 229.36 157.85 76.88 13 34 1 4544.2 23.26 221.30
 100.00 3 0 49 1863.23 -18.22 16.22 153.76 114.11 3 31 52 1263.2 -14.81 9.09
 100.00 13 32 33 4872.39 26.54 209.04 157.52 75.72 14 53 45 4272.4 24.32 200.95
 110.00 4 2 22 1670.51 -21.30 .01 152.18 117.39 4 30 13 1070.5 -17.46 352.99
 110.00 14 47 29 4637.88 29.83 190.18 156.46 72.48 16 4 47 4037.9 27.14 182.02

DIFFERENTIAL CORRECTIONS

TDE .0214 TRA -.6607 TC3 -.2344 BAU .0948
 RDE -.3238 RRA .1177 RC3 .0593 FAU .16824
 FDE 1.3075 FRA -2.5361 FC3 -4.9657 BSP 1464
 BDE .3245 BRA .6711 BC3 .2418 FSP -1672

MID-COURSE EXECUTION ACCURACY

SGT 747.8 SGR 370.3 SG3 533.5
 RRT -.4048 RRF -.5061 RTF .7134
 SGB 834.5 R23 .1601 R13 -.7347
 SG1 766.3 SG2 330.5 TMA 166.01

ORBIT DETERMINATION ACCURACY

ST 212.3 SR 344.6 SS 465.3
 CRT -.2147 CRS .9089 CST -.5947
 LSA 576.8 MSA 217.3 SSA 21.4
 EL1 349.2 EL2 204.6 ALF 101.54

LAUNCH DATE DEC 16 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

RL 147.22 LAL -.00 LOL 83.83 VL 28.527 GAL -9.75 AZL 86.97 MCA 127.36 SMA 134.18 ECC .19458 INC 3.0295 V1 30.262
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.298 GAP -.31 AZP 91.84 TAL 230.75 TAP 358.11 RCA 108.07 APO 160.29 V2 35.063
 RC 81.719 GL 16.07 GP 6.47 ZAL 150.51 ZAP 82.31 ETS 357.05 ZAE 175.14 ETE 173.23 ZAC 43.44 ETC 164.05 CLP -82.26

PLANETOCENTRIC CONIC

C3 28.820 VML 5.368 DLA -6.19 RAL 288.23 RAD 6568.2 VEL 12.255 PTH 2.20 VMP 3.285 DPA -14.34 RAP 310.51 ECC 1.4743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 32 2110.87 -16.92 35.02 154.22 113.05 2 18 43 1510.9 -13.66 27.86
 90.00 12 8 58 5140.71 25.26 229.12 157.77 76.77 13 34 39 4540.7 23.19 221.07
 100.00 3 1 56 1857.94 -18.07 15.89 153.70 114.22 3 32 54 1257.9 -14.65 8.77
 100.00 13 33 15 4868.87 26.48 208.80 157.44 75.60 14 54 24 4268.9 24.24 200.71
 110.00 4 3 27 1665.32 -21.14 359.70 152.12 117.51 4 31 13 1065.3 -17.29 352.69
 110.00 14 48 13 4634.25 29.76 189.92 156.37 72.34 16 5 27 4034.3 27.05 181.77

DIFFERENTIAL CORRECTIONS

TOE .0521 TRA -.7296 TC3 -.3557 BAU .1405
 ROE -.3136 RRA .1251 RC3 .0802 FAU .17386
 FOE 1.3325 FRA-2.5939 FC3-5.2228 BSP 1962
 BOE .3179 BRA .7402 BC3 .3646 FSP -1755

MID-COURSE EXECUTION ACCURACY

SGT 873.1 SGR 370.8 SG3 554.7
 RRT -.4840 RRF -.5599 RTF .7852
 SGB 948.6 R23 .1392 R13 -.7996
 SG1 894.1 SG2 316.9 TMA 166.68

ORBIT DETERMINATION ACCURACY

ST 241.7 SR 337.2 SS 470.5
 CRT -.3450 CRS .9126 CST -.6920
 LSA 587.2 MSA 219.6 SSA 21.1
 EL1 354.2 EL2 216.0 ALF 112.76

LAUNCH DATE DEC 16 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

RL 147.22 LAL -.00 LOL 83.83 VL 28.512 GAL -9.65 AZL 87.01 MCA 130.57 SMA 134.06 ECC .19353 INC 2.9886 V1 30.262
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.275 GAP .15 AZP 91.94 TAL 230.35 TAP .92 RCA 108.12 APO 160.01 V2 35.050
 RC 84.008 GL 15.99 GP 6.84 ZAL 150.30 ZAP 87.59 ETS 357.54 ZAE 171.34 ETE 171.68 ZAC 41.32 ETC 164.04 CLP -87.57

PLANETOCENTRIC CONIC

C3 28.291 VML 5.319 DLA -6.22 RAL 288.53 RAD 6568.1 VEL 12.234 PTH 2.20 VMP 3.250 DPA -14.44 RAP 308.32 ECC 1.4656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 0 2105.11 -16.77 34.67 154.22 113.16 2 20 5 1505.1 -13.49 27.52
 90.00 12 9 53 5137.21 25.21 228.88 157.75 76.66 13 55 31 4537.2 23.12 220.83
 100.00 3 3 23 1852.24 -17.91 15.55 153.89 114.34 3 34 16 1252.2 -14.48 8.44
 100.00 13 34 11 4865.31 26.42 208.55 157.41 75.49 14 55 17 4265.3 24.17 200.48
 110.00 4 4 52 1659.75 -20.96 359.36 152.11 117.64 4 32 32 1059.8 -17.10 352.37
 110.00 14 49 12 4630.57 29.68 189.66 156.34 72.21 16 6 22 4030.6 26.96 181.53

DIFFERENTIAL CORRECTIONS

TOE .0823 TRA -.8011 TC3 -.4858 BAU .1877
 ROE -.3028 RRA .1319 RC3 .1017 FAU .17696
 FOE 1.3448 FRA-2.6031 FC3-5.4154 BSP 2496
 BOE .3137 BRA .8119 BC3 .4964 FSP -1801

MID-COURSE EXECUTION ACCURACY

SGT 1014.2 SGR 372.1 SG3 568.1
 RRT -.5534 RRF -.6124 RTF .8329
 SGB 1080.3 R23 .1273 R13 -.8429
 SG1 1036.9 SG2 303.2 TMA 167.43

ORBIT DETERMINATION ACCURACY

ST 275.5 SR 329.0 SS 473.7
 CRT -.4427 CRS .9180 CST -.7563
 LSA 599.4 MSA 221.0 SSA 20.6
 EL1 367.9 EL2 220.9 ALF 124.04

LAUNCH DATE DEC 16 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

RL 147.22 LAL -.00 LOL 83.83 VL 28.493 GAL -9.54 AZL 87.06 MCA 133.78 SMA 133.91 ECC .19254 INC 2.9437 V1 30.262
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.248 GAP .59 AZP 92.04 TAL 229.85 TAP 3.63 RCA 108.13 APO 159.69 V2 35.036
 RC 86.309 GL 15.90 GP 7.22 ZAL 150.04 ZAP 92.72 ETS 358.09 ZAE 167.64 ETE 171.08 ZAC 39.34 ETC 164.08 CLP -92.74

PLANETOCENTRIC CONIC

C3 27.743 VML 5.267 DLA -6.27 RAL 288.90 RAD 6568.1 VEL 12.211 PTH 2.19 VMP 3.238 DPA -14.46 RAP 306.28 ECC 1.4566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 49 2098.80 -16.60 34.28 154.26 113.27 2 21 48 1498.8 -13.31 27.15
 90.00 12 11 1 5133.78 25.16 228.65 157.78 76.55 13 36 34 4533.8 23.06 220.60
 100.00 3 5 11 1846.00 -17.74 15.17 153.73 114.46 3 35 57 1246.0 -14.29 8.07
 100.00 13 35 20 4861.81 26.36 208.31 157.44 75.37 14 56 22 4261.8 24.09 200.24
 110.00 4 6 37 1653.67 -20.77 359.00 152.16 117.78 4 34 11 1053.7 -16.89 352.02
 110.00 14 50 24 4626.90 29.60 189.40 156.37 72.07 16 7 30 4026.9 26.87 181.28

DIFFERENTIAL CORRECTIONS

TOE .1112 TRA -.8732 TC3 -.6226 BAU .2355
 ROE -.2907 RRA .1382 RC3 .1242 FAU .17827
 FOE 1.3290 FRA-2.5810 FC3-5.5631 BSP 3050
 BOE .3112 BRA .8840 BC3 .6349 FSP -1841

MID-COURSE EXECUTION ACCURACY

SGT 1165.3 SGR 374.2 SG3 575.8
 RRT -.6162 RRF -.6623 RTF .8650
 SGB 1223.9 R23 .1197 R13 -.8723
 SG1 1189.3 SG2 288.7 TMA 168.10

ORBIT DETERMINATION ACCURACY

ST 311.8 SR 319.5 SS 471.4
 CRT -.5156 CRS .9220 CST -.8020
 LSA 610.0 MSA 221.3 SSA 20.2
 EL1 388.6 EL2 219.6 ALF 133.65

LAUNCH DATE DEC 16 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

RL 147.22 LAL -.00 LOL 83.83 VL 28.468 GAL -9.42 AZL 87.11 MCA 136.98 SMA 133.72 ECC .19162 INC 2.8937 V1 30.262
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.218 GAP 1.00 AZP 92.12 TAL 229.26 TAP 6.25 RCA 108.10 APO 159.35 V2 35.023
 RC 88.623 GL 15.78 GP 7.62 ZAL 149.73 ZAP 97.64 ETS 358.69 ZAE 164.08 ETE 170.70 ZAC 37.55 ETC 164.20 CLP -97.71

PLANETOCENTRIC CONIC

C3 27.176 VML 5.213 DLA -6.33 RAL 289.34 RAD 6568.1 VEL 12.188 PTH 2.19 VMP 3.245 DPA -14.40 RAP 304.42 ECC 1.4472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 1 2091.75 -16.41 33.85 154.35 113.40 2 23 53 1491.7 -13.11 26.73
 90.00 12 12 17 5130.54 25.10 228.42 157.86 76.45 13 37 48 4530.5 22.99 220.39
 100.00 3 7 21 1839.04 -17.54 14.74 153.82 114.60 3 38 0 1239.0 -14.08 7.66
 100.00 13 36 39 4858.47 26.30 208.08 157.53 75.26 14 57 37 4258.5 24.02 200.02
 110.00 4 8 43 1646.93 -20.56 358.59 152.25 117.93 4 36 10 1046.9 -16.66 351.63
 110.00 14 51 46 4623.35 29.53 189.15 156.45 71.94 16 8 50 4023.4 26.78 181.05

DIFFERENTIAL CORRECTIONS

TOE .1381 TRA -.9444 TC3 -.7650 BAU .2830
 ROE -.2777 RRA .1438 RC3 .1476 FAU .17750
 FOE 1.2964 FRA-2.5216 FC3-5.6546 BSP 3617
 BOE .3102 BRA .9553 BC3 .7791 FSP -1856

MID-COURSE EXECUTION ACCURACY

SGT 1322.8 SGR 377.0 SG3 576.8
 RRT -.6719 RRF -.7094 RTF .8868
 SGB 1375.3 R23 .1172 R13 -.8923
 SG1 1347.9 SG2 274.0 TMA 168.69

ORBIT DETERMINATION ACCURACY

ST 349.0 SR 309.0 SS 465.9
 CRT -.5694 CRS .9264 CST -.8323
 LSA 620.7 MSA 220.6 SSA 19.8
 EL1 414.0 EL2 214.1 ALF 141.05

LAUNCH DATE DEC 16 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 299.349

RL 147.22 LAL -0.00 LOL 83.83 VL 28.440 GAL -9.30 AZL 87.16 MCA 140.19 SMA 133.51 ECC .19075 INC 2.8374 V1 30.262
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.185 GAP 1.40 AZP 92.18 TAL 228.59 TAP 8.78 RCA 108.04 APO 158.97 V2 35.010
 RC 90.948 GL 15.63 GP 8.05 ZAL 149.37 ZAP 102.32 ETS 359.37 ZAE 160.72 ETE 170.37 ZAC 35.97 ETC 164.44 CLP-102.45

PLANETOCENTRIC CONIC

C3 26.586 VHL 5.156 DLA -6.41 RAL 289.84 RAD 6568.1 VEL 12.164 PTH 2.18 VHP 3.270 DPA -14.25 RAP 302.80 ECC 1.4375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 39 2083.72 -16.19 33.36 154.49 113.55 2 26 23 1483.7 -12.87 26.26
 90.00 12 13 40 5127.67 25.06 228.22 158.00 76.36 13 39 8 4527.7 22.93 220.20
 100.00 3 9 57 1831.15 -17.32 14.26 153.96 114.75 3 40 28 1231.1 -13.84 7.20
 100.00 13 38 4 4855.47 26.25 207.87 157.66 75.17 14 58 59 4255.5 23.96 199.82
 110.00 4 11 13 1639.32 -20.31 358.13 152.39 118.10 4 38 32 1039.3 -16.40 351.20
 110.00 14 53 17 4620.06 29.46 188.92 156.59 71.82 16 10 17 4020.1 26.69 180.83

DIFFERENTIAL CORRECTIONS

TDE .1625 TRA-1.0130 TC3 -.9113 BAU .3296
 RDE -.2642 RRA .1482 RC3 .1715 FAU .17458
 FDE 1.2556 FRA-2.4237 FC3-5.6850 BSP 4178
 BDE .3101 BRA 1.0238 BC3 .9273 FSP -1836

MID-COURSE EXECUTION ACCURACY

SGT 1482.9 SGR 380.7 SG3 570.9
 RRT -.7208 RRF -.7536 RTF .9013
 SGB 1531.0 R23 .1203 R13 -.9057
 SG1 1508.9 SG2 259.3 TMA 169.19

ORBIT DETERMINATION ACCURACY

ST 385.8 SR 297.8 SS 458.9
 CRT -.6096 CRS .9322 CST -.8506
 LSA 632.2 MSA 219.4 SSA 19.3
 EL1 441.6 EL2 206.3 ALF 146.63

LAUNCH DATE DEC 16 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 305.588

RL 147.22 LAL -0.00 LOL 83.83 VL 28.408 GAL -9.17 AZL 87.23 MCA 143.39 SMA 133.27 ECC .18993 INC 2.7730 V1 30.262
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.149 GAP 1.79 AZP 92.23 TAL 227.85 TAP 11.23 RCA 107.95 APO 158.58 V2 34.996
 RC 95.279 GL 15.44 GP 8.53 ZAL 148.98 ZAP 106.73 ETS .13 ZAE 157.56 ETE 170.00 ZAC 34.63 ETC 164.83 CLP-106.93

PLANETOCENTRIC CONIC

C3 25.973 VHL 5.096 DLA -6.52 RAL 290.41 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 3.310 DPA -13.99 RAP 301.43 ECC 1.4275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 47 2074.39 -15.94 32.80 154.67 113.72 2 29 22 1474.4 -12.60 25.71
 90.00 12 15 5 5125.45 25.02 228.07 158.19 76.29 13 40 30 4525.5 22.89 220.05
 100.00 3 13 1 1822.00 -17.06 13.71 154.14 114.93 3 43 23 1222.0 -13.56 6.67
 100.00 13 39 32 4855.08 26.21 207.70 157.85 75.09 15 0 25 4253.1 23.91 199.66
 110.00 4 14 10 1630.57 -20.03 357.61 152.57 118.30 4 41 21 1030.6 -16.09 350.70
 110.00 14 54 53 4617.27 29.40 188.73 156.78 71.72 16 11 50 4017.3 26.62 180.64

DIFFERENTIAL CORRECTIONS

TDE .1828 TRA-1.0784 TC3-1.0618 BAU .3750
 RDE -.2495 RRA .1520 RC3 .1972 FAU .17054
 FDE 1.1935 FRA-2.3089 FC3-5.6842 BSP 4745
 BDE .3093 BRA 1.0890 BC3 1.0800 FSP -1815

MID-COURSE EXECUTION ACCURACY

SGT 1644.0 SGR 385.6 SG3 561.2
 RRT -.7653 RRF -.7947 RTF .9116
 SGB 1688.6 R23 .1263 R13 -.9153
 SG1 1670.8 SG2 244.2 TMA 169.60

ORBIT DETERMINATION ACCURACY

ST 421.1 SR 285.3 SS 447.2
 CRT -.6388 CRS .9368 CST -.8632
 LSA 641.2 MSA 217.3 SSA 18.7
 EL1 468.9 EL2 .197.1 ALF 151.00

LAUNCH DATE DEC 16 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 311.799

RL 147.22 LAL -0.00 LOL 83.83 VL 28.373 GAL -9.03 AZL 87.30 MCA 146.58 SMA 133.00 ECC .18916 INC 2.6982 V1 30.262
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.111 GAP 2.15 AZP 92.25 TAL 227.03 TAP 13.61 RCA 107.84 APO 158.16 V2 34.983
 RC 95.621 GL 15.19 GP 9.09 ZAL 148.56 ZAP 110.86 ETS .99 ZAE 154.61 ETE 169.56 ZAC 33.53 ETC 165.43 CLP-111.14

PLANETOCENTRIC CONIC

C3 25.336 VHL 5.034 DLA -6.68 RAL 291.05 RAD 6568.0 VEL 12.113 PTH 2.17 VHP 3.363 DPA -13.61 RAP 300.32 ECC 1.4170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 32 2063.30 -15.63 32.12 154.89 113.91 2 32 55 1463.3 -12.27 25.06
 90.00 12 16 26 5124.27 25.00 227.99 158.44 76.26 13 41 50 4524.3 22.67 219.97
 100.00 3 16 41 1811.16 -16.74 13.06 154.36 115.13 3 46 52 1211.2 -13.22 6.04
 100.00 13 40 57 4851.64 26.19 207.60 158.10 75.04 15 1 49 4251.6 23.88 199.57
 110.00 4 17 39 1620.29 -19.70 357.00 152.79 118.52 4 44 39 1020.3 -15.74 350.12
 110.00 14 56 29 4615.28 29.36 188.59 157.03 71.65 16 13 24 4015.3 26.57 180.51

DIFFERENTIAL CORRECTIONS

TDE .1995 TRA-1.1384 TC3-1.2150 BAU .4185
 RDE -.2345 RRA .1548 RC3 .2243 FAU .16499
 FDE 1.1280 FRA-2.1677 FC3-5.6376 BSP 5289
 BDE .3078 BRA 1.1489 BC3 1.2355 FSP -1765

MID-COURSE EXECUTION ACCURACY

SGT 1802.7 SGR 392.1 SG3 546.6
 RRT -.8040 RRF -.8325 RTF .9184
 SGB 1844.9 R23 .1379 R13 -.9217
 SG1 1830.5 SG2 229.6 TMA 169.92

ORBIT DETERMINATION ACCURACY

ST 454.0 SR 272.3 SS 434.3
 CRT -.6608 CRS .9427 CST -.8689
 LSA 649.8 MSA 215.1 SSA 18.0
 EL1 495.1 EL2 187.4 ALF 154.47

LAUNCH DATE DEC 16 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 317.984

RL 147.22 LAL -0.00 LOL 83.83 VL 28.336 GAL -8.88 AZL 87.39 MCA 149.78 SMA 132.72 ECC .18844 INC 2.6096 V1 30.262
 RP 108.37 LAP 1.31 LOP 233.63 VP 38.071 GAP 2.51 AZP 92.26 TAL 226.14 TAP 15.92 RCA 107.71 APO 157.72 V2 34.970
 RC 97.969 GL 14.87 GP 9.75 ZAL 148.10 ZAP 114.70 ETS 2.00 ZAE 151.89 ETE 168.99 ZAC 32.67 ETC 166.28 CLP-115.09

PLANETOCENTRIC CONIC

C3 24.673 VHL 4.967 DLA -6.90 RAL 291.76 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 3.429 DPA -13.07 RAP 299.46 ECC 1.4060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 3 2049.77 -15.26 31.31 155.15 114.15 2 37 13 1449.8 -11.87 24.27
 90.00 12 17 33 5124.72 25.01 228.02 158.76 76.27 13 42 58 4524.7 22.88 220.00
 100.00 3 21 6 1797.99 -16.36 12.27 154.62 115.37 3 51 4 1198.0 -12.81 5.27
 100.00 13 42 11 4851.74 26.19 207.61 158.42 75.05 15 3 3 4251.7 23.88 199.57
 110.00 4 21 48 1607.88 -19.29 356.27 153.05 118.78 4 48 36 1007.9 -15.30 349.42
 110.00 14 57 58 4614.59 29.34 188.54 157.36 71.62 16 14 53 4014.6 26.55 180.47

DIFFERENTIAL CORRECTIONS

TDE .2102 TRA-1.1933 TC3-1.3731 BAU .4606
 RDE -.2185 RRA .1570 RC3 .2548 FAU .15894
 FDE 1.0453 FRA-2.0205 FC3-5.5770 BSP 5842
 BDE .3032 BRA 1.2036 BC3 1.3985 FSP -1722

MID-COURSE EXECUTION ACCURACY

SGT 1960.1 SGR 401.1 SG3 530.2
 RRT -.8387 RRF -.8672 RTF .9232
 SGB 2000.7 R23 .1533 R13 -.9262
 SG1 1989.1 SG2 215.2 TMA 170.14

ORBIT DETERMINATION ACCURACY

ST 483.2 SR 258.0 SS 416.6
 CRT -.6753 CRS .9473 CST -.8714
 LSA 654.5 MSA 212.0 SSA 17.4
 EL1 518.2 EL2 177.4 ALF 157.38

LAUNCH DATE DEC 16 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 324.143
 RL 147.22 LAL -.00 LOL 83.83 VL 28.295 GAL -8.73 AZL 87.50 MCA 152.97 SMA 132.41 ECC .18776 INC 2.5024 V1 30.262
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.029 GAP 2.84 AZP 92.23 TAL 225.20 TAP 18.17 RCA 107.55 APO 157.27 V2 34.957
 RC 100.323 GL 14.44 GP 10.56 ZAL 147.63 ZAP 118.24 ETS 3.18 ZAE 149.36 ETE 168.25 ZAC 32.05 ETC 167.46 CLP-118.77

PLANETOCENTRIC CONIC

C3 23.979 VHL 4.897 DLA -7.21 RAL 292.54 RAD 6568.0 VEL 12.056 PTH 2.15 VMP 3.505 DPA -12.35 RAP 298.84 ECC 1.3946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 35 2032.81 -14.78 30.29 155.45 114.43 2 42 28 1432.8 -11.36 23.28
 90.00 12 18 16 5127.68 25.06 228.22 159.15 76.36 13 43 43 4527.7 22.93 220.20
 100.00 3 26 29 1781.54 -15.88 11.28 154.92 115.66 3 56 10 1181.5 -12.30 4.32
 100.00 13 43 3 4854.18 26.23 207.78 158.82 75.12 15 3 58 4254.2 23.93 199.74
 110.00 4 26 50 1592.58 -18.79 355.37 153.34 119.10 4 53 22 992.6 -14.77 348.56
 110.00 14 59 12 4615.91 29.37 188.63 157.76 71.67 16 16 8 4015.9 26.59 180.55

DIFFERENTIAL CORRECTIONS

TOE .2155 TRA-1.2408 TC3-1.5345 BAU .5006 SGT 2112.6 SGR 413.2 SG3 510.6 ORBIT DETERMINATION ACCURACY
 RDE -.2022 RRA .1582 RC3 .2887 FAU .15196 RRT -.8879 RRF -.8983 RTF .9261 ST 508.2 SR 243.3 SS 397.3
 FDE .9807 FRA-1.8569 FC3-5.4864 BSP 6357 SGB 2152.7 R23 .1754 R13 -.9290 CRT -.6843 CRS .9528 CST -.8685
 BDE .2955 BRA 1.2507 BC3 1.5615 FSP -1654 SG1 2143.1 SG2 202.4 THA 170.28 LSA 656.7 MSA 209.2 SSA 16.6
 EL1 537.9 EL2 167.6 ALF 159.82

LAUNCH DATE DEC 16 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 330.278
 RL 147.22 LAL -.00 LOL 83.83 VL 28.253 GAL -8.57 AZL 87.63 MCA 156.16 SMA 132.10 ECC .18713 INC 2.3688 V1 30.262
 RP 108.44 LAP .96 LOP 240.01 VP 37.986 GAP 3.17 AZP 92.17 TAL 224.19 TAP 20.36 RCA 107.38 APO 156.81 V2 34.945
 RC 102.682 GL 13.86 GP 11.58 ZAL 147.14 ZAP 121.48 ETS 4.63 ZAE 147.00 ETE 167.28 ZAC 31.64 ETC 169.05 CLP-122.21

PLANETOCENTRIC CONIC

C3 23.251 VHL 4.822 DLA -7.66 RAL 293.41 RAD 6567.9 VEL 12.026 PTH 2.15 VMP 3.591 DPA -11.37 RAP 298.44 ECC 1.3827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 34 2010.85 -14.16 28.98 155.79 114.78 2 49 4 1410.8 -10.70 22.01
 90.00 12 18 13 5134.58 25.17 228.70 159.64 76.58 13 43 47 4534.6 23.07 220.66
 100.00 3 33 13 1760.32 -15.25 10.02 155.26 116.02 4 2 33 1160.3 -11.63 3.10
 100.00 13 43 14 4860.34 26.34 208.21 159.32 75.32 15 4 15 4260.3 24.06 200.14
 110.00 4 33 3 1573.00 -18.14 354.22 153.67 119.48 4 59 16 973.0 -14.07 347.46
 110.00 14 59 54 4620.43 29.47 188.95 158.27 71.83 16 16 55 4020.4 26.70 180.85

DIFFERENTIAL CORRECTIONS

TOE .2116 TRA-1.2810 TC3-1.7036 BAU .5394 SGT 2263.0 SGR 430.6 SG3 490.4 ORBIT DETERMINATION ACCURACY
 RDE -.1849 RRA .1592 RC3 .3290 FAU .14486 RRT -.8926 RRF -.9257 RTF .9281 ST 527.2 SR 227.2 SS 372.1
 FDE .8591 FRA-1.6940 FC3-5.3935 BSP 6883 SGB 2303.6 R23 .2026 R13 -.9310 CRT -.6852 CRS .9566 CST -.8623
 BDE .2810 BRA 1.2908 BC3 1.7351 FSP -1596 SG1 2295.6 SG2 191.4 THA 170.29 LSA 652.3 MSA 205.5 SSA 15.8
 EL1 551.9 EL2 158.1 ALF 162.02

LAUNCH DATE DEC 16 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 336.390
 RL 147.22 LAL -.00 LOL 83.83 VL 28.208 GAL -8.40 AZL 87.80 MCA 159.35 SMA 131.77 ECC .18654 INC 2.1969 V1 30.262
 RP 108.48 LAP .77 LOP 243.20 VP 37.941 GAP 3.48 AZP 92.06 TAL 223.13 TAP 22.48 RCA 107.19 APO 156.35 V2 34.932
 RC 105.043 GL 13.04 GP 12.93 ZAL 146.66 ZAP 124.40 ETS 6.45 ZAE 144.77 ETE 165.98 ZAC 31.45 ETC 171.21 CLP-125.42

PLANETOCENTRIC CONIC

C3 22.482 VHL 4.742 DLA -8.33 RAL 294.38 RAD 6567.9 VEL 11.994 PTH 2.14 VMP 3.690 DPA -10.05 RAP 298.22 ECC 1.3700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 38 1981.27 -13.31 27.22 156.19 115.23 2 57 39 1381.3 -9.80 20.30
 90.00 12 16 51 5147.79 25.37 229.61 160.27 76.99 13 42 39 4547.8 23.33 221.54
 100.00 3 41 57 1731.87 -14.39 8.34 155.65 116.48 4 10 48 1131.9 -10.72 1.48
 100.00 13 42 14 4872.43 26.54 209.05 159.95 75.72 15 3 26 4272.4 24.32 200.95
 110.00 4 40 59 1547.00 -17.26 352.72 154.05 119.97 5 6 46 947.0 -13.14 346.02
 110.00 14 59 41 4630.07 29.67 189.82 158.94 72.19 16 16 51 4030.1 26.95 181.49

DIFFERENTIAL CORRECTIONS

TOE .1973 TRA-1.3109 TC3-1.8798 BAU .5763 SGT 2407.8 SGR 454.5 SG3 467.9 ORBIT DETERMINATION ACCURACY
 RDE -.1669 RRA .1591 RC3 .3774 FAU .13711 RRT -.9113 RRF -.9488 RTF .9288 ST 538.9 SR 210.2 SS 342.5
 FDE .7495 FRA-1.5196 FC3-5.2797 BSP 7375 SGB 2450.3 R23 .2364 R13 -.9320 CRT -.6767 CRS .9602 CST -.8493
 BDE .2584 BRA 1.3205 BC3 1.9173 FSP -1519 SG1 2443.4 SG2 184.4 THA 170.18 LSA 640.9 MSA 201.9 SSA 14.9
 EL1 556.8 EL2 149.3 ALF 164.04

LAUNCH DATE DEC 16 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 342.480
 RL 147.22 LAL -.00 LOL 83.83 VL 28.162 GAL -8.22 AZL 88.03 MCA 162.54 SMA 131.43 ECC .18600 INC 1.9656 V1 30.262
 RP 108.52 LAP .59 LOP 246.38 VP 37.896 GAP 3.78 AZP 91.88 TAL 222.02 TAP 24.56 RCA 106.98 APO 155.87 V2 34.920
 RC 107.406 GL 11.85 GP 14.75 ZAL 146.22 ZAP 126.94 ETS 8.82 ZAE 142.59 ETE 164.21 ZAC 31.48 ETC 174.15 CLP-128.42

PLANETOCENTRIC CONIC

C3 21.664 VHL 4.654 DLA -9.35 RAL 295.47 RAD 6567.9 VEL 11.960 PTH 2.13 VMP 3.803 DPA -8.21 RAP 298.13 ECC 1.3565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 3 1939.46 -12.08 24.78 156.67 115.80 3 9 22 1339.5 -8.51 17.90
 90.00 12 13 11 5171.65 25.73 231.27 161.11 77.75 13 39 23 4571.7 23.78 223.14
 100.00 3 53 48 1691.81 -13.16 6.00 156.12 117.08 4 22 0 1091.8 -9.43 359.21
 100.00 13 39 6 4894.53 26.90 210.59 160.81 76.46 15 0 41 4294.5 24.77 202.44
 110.00 4 51 38 1510.75 -16.01 350.64 154.49 120.61 5 16 48 910.8 -11.83 344.03
 110.00 14 57 46 4648.36 30.04 190.92 159.83 72.87 16 15 15 4048.4 27.41 182.72

DIFFERENTIAL CORRECTIONS

TOE .1651 TRA-1.3301 TC3-2.0697 BAU .6128 SGT 2550.8 SGR 489.4 SG3 444.6 ORBIT DETERMINATION ACCURACY
 RDE -.1487 RRA .1588 RC3 .4398 FAU .12919 RRT -.9247 RRF -.9675 RTF .9291 ST 540.8 SR 190.5 SS 302.0
 FDE .6137 FRA-1.3447 FC3-5.1628 BSP 7885 SGB 2597.3 R23 .2727 R13 -.9327 CRT -.6504 CRS .9601 CST -.8297
 BDE .2209 BRA 1.3395 BC3 2.1159 FSP -1449 SG1 2590.9 SG2 183.5 THA 169.89 LSA 617.7 MSA 195.7 SSA 14.1
 EL1 555.8 EL2 140.8 ALF 166.19

LAUNCH DATE DEC 16 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 348.548

RL 147.22 LAL -.00 LOL 83.83 VL 28.114 GAL -8.04 AZL 88.36 MCA 165.72 SMA 131.08 ECC .18552 INC 1.6349 VI 30.262
 RP 108.58 LAP .40 LOP 249.56 VP 37.850 GAP 4.07 AZP 91.58 TAL 220.86 TAP 26.58 RCA 106.76 APO 155.40 V2 34.909
 RC 109.770 GL 10.03 GP 17.37 ZAL 145.83 ZAP 128.99 ETS 12.06 ZAE 140.32 ETE 161.72 ZAC 31.78 ETC 178.30 CLP-131.25

PLANETOCENTRIC CONIC

C3 20.784 VHL 4.559 OLA -10.97 RAL 296.75 RAD 6567.8 VEL 11.923 PTH 2.12 VHP 3.941 OPA -5.57 RAP 298.08 ECC 1.3421
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 17 1876.28 -10.18 21.09 157.30 116.56 3 26 33 1276.3 -6.54 14.31
 90.00 12 5 10 5214.89 26.32 234.30 162.30 79.15 13 32 5 4614.9 24.56 226.07
 100.00 4 11 8 1831.58 -11.27 2.53 156.74 117.87 4 38 19 1031.6 -7.45 355.82
 100.00 13 32 0 4934.83 27.52 215.43 162.03 77.83 14 54 15 4334.8 25.56 205.17
 110.00 5 6 55 1456.86 -14.12 347.61 155.07 121.46 5 31 12 856.9 -9.86 341.11
 110.00 14 52 42 4682.31 30.70 193.34 161.12 74.17 16 10 44 4082.3 28.22 185.02

DIFFERENTIAL CORRECTIONS

TOE .1075 TRA-1.3314 TC3-2.2735 BAU .6482
 ROE -.1230 RRA .1569 RC3 .5228 FAU .12027
 FDE .4502 FRA-1.1527 FC3-5.0099 BSP 8353
 BOE .1634 BRA 1.3408 BC3 2.3328 FSP -1357

MID-COURSE EXECUTION ACCURACY

SGT 2687.0 SGR 539.9 SG3 417.6
 RRT -.9316 RRF -.9815 RTF .9286
 SGB 2740.8 R23 .3081 R13 -.9328
 SGI 2734.0 SG2 192.9 THA 169.34

ORBIT DETERMINATION ACCURACY

ST 532.5 SR 166.5 SS 249.0
 CRT -.5931 CRS .9533 CST -.7994
 LSA 582.3 MSA 184.4 SSA 13.6
 EL1 542.2 EL2 131.7 ALF 168.83

LAUNCH DATE DEC 16 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 354.596

RL 147.22 LAL -.00 LOL 83.83 VL 28.065 GAL -7.84 AZL 88.88 MCA 168.90 SMA 130.72 ECC .18509 INC 1.1194 VI 30.262
 RP 108.59 LAP .22 LOP 252.73 VP 37.803 GAP 4.35 AZP 91.10 TAL 219.66 TAP 28.56 RCA 106.53 APO 154.92 V2 34.897
 RC 112.133 GL 7.01 GP 21.39 ZAL 145.51 ZAP 130.25 ETS 16.71 ZAE 137.62 ETE 158.08 ZAC 32.52 ETC 184.44 CLP-133.94

PLANETOCENTRIC CONIC

C3 19.845 VHL 4.455 OLA -13.75 RAL 298.35 RAD 6567.8 VEL 11.884 PTH 2.11 VHP 4.127 OPA -1.53 RAP 297.93 ECC 1.3266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 20 1770.77 -6.92 15.07 158.37 117.53 3 54 50 1170.8 -3.17 8.38
 90.00 11 47 51 5298.34 27.25 240.23 164.24 81.99 13 16 9 4698.3 25.86 231.84
 100.00 4 39 25 1531.69 -8.04 356.88 157.76 118.89 5 4 57 931.7 -4.12 350.28
 100.00 13 16 26 5012.85 28.51 219.00 164.03 80.60 14 39 59 4412.6 26.91 210.56
 110.00 5 31 25 1368.87 -10.94 342.78 156.01 122.59 5 54 13 768.9 -6.57 336.42
 110.00 14 40 56 4748.24 31.82 198.15 163.26 76.81 16 0 5 4148.2 29.68 189.60

DIFFERENTIAL CORRECTIONS

TOE -.0018 TRA-1.3083 TC3-2.5007 BAU .6851
 ROE -.0884 RRA .1531 RC3 .6432 FAU .10996
 FDE .2215 FRA -.9436 FC3-4.7969 BSP 8861
 BOE .0884 BRA 1.3172 BC3 2.5821 FSP -1258

MID-COURSE EXECUTION ACCURACY

SGT 2822.2 SGR 618.4 SG3 385.5
 RRT -.9327 RRF -.9912 RTF .9280
 SGB 2889.2 R23 .3338 R13 -.9333
 SGI 2880.9 SG2 218.6 THA 168.38

ORBIT DETERMINATION ACCURACY

ST 524.0 SR 130.1 SS 174.0
 CRT -.4768 CRS .9042 CST -.7929
 LSA 546.9 MSA 149.7 SSA 14.6
 EL1 527.8 EL2 113.5 ALF 172.92

LAUNCH DATE DEC 16 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 360.623

RL 147.22 LAL -.00 LOL 83.83 VL 28.015 GAL -7.84 AZL 89.80 MCA 172.08 SMA 130.36 ECC .18471 INC .1922 VI 30.262
 RP 108.63 LAP .03 LOP 255.91 VP 37.755 GAP 4.62 AZP 90.20 TAL 218.41 TAP 30.49 RCA 106.28 APO 154.44 V2 34.886
 RC 114.493 GL 1.27 GP 28.19 ZAL 145.02 ZAP 129.86 ETS 23.82 ZAE 133.63 ETE 152.53 ZAC 34.36 ETC 194.09 CLP-136.65

PLANETOCENTRIC CONIC

C3 18.960 VHL 4.354 OLA -19.16 RAL 300.85 RAD 6567.8 VEL 11.847 PTH 2.10 VHP 4.443 OPA 5.26 RAP 297.32 ECC 1.3120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 58 1558.50 -1.12 3.17 161.03 118.32 4 52 56 958.5 3.67 356.53
 90.00 11 4 35 5489.00 28.29 254.06 168.03 88.83 12 36 4 4889.0 27.83 245.43
 100.00 5 36 28 1334.20 -1.42 345.96 160.31 119.86 5 58 43 734.2 2.57 339.44
 100.00 12 37 45 5188.53 29.78 231.90 167.97 87.27 14 4 14 4588.5 29.08 223.17
 110.00 6 19 7 1200.59 -4.65 333.82 158.30 123.90 6 39 7 600.6 -1.16 327.60
 110.00 14 11 37 4894.90 33.57 209.23 167.60 83.14 15 33 11 4294.9 32.26 200.24

DIFFERENTIAL CORRECTIONS

TOE -.2215 TRA-1.2336 TC3-2.7348 BAU .7239
 ROE -.0225 RRA .1401 RC3 .8227 FAU .09537
 FDE -.1148 FRA -.6811 FC3-4.3550 BSP 9358
 BOE .2227 BRA 1.2415 BC3 2.8558 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 2951.2 SGR 743.1 SG3 338.0
 RRT -.9269 RRF -.9987 RTF .9273
 SGB 3043.4 R23 .3459 R13 -.9348
 SGI 3031.2 SG2 271.5 THA 166.75

ORBIT DETERMINATION ACCURACY

ST 596.5 SR 69.1 SS 131.2
 CRT -.5600 CRS .6198 CST -.9757
 LSA 611.4 MSA 58.3 SSA 25.2
 EL1 597.8 EL2 57.1 ALF 176.26

LAUNCH DATE DEC 16 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 366.627

RL 147.22 LAL -.00 LOL 83.83 VL 27.965 GAL -7.43 AZL 91.94 MCA 175.25 SMA 130.00 ECC .18438 INC 1.9394 VI 30.262
 RP 108.66 LAP -.16 LOP 259.08 VP 37.708 GAP 4.88 AZP 88.06 TAL 217.12 TAP 32.37 RCA 106.03 APO 153.97 V2 34.875
 RC 116.852 GL -12.34 GP 41.48 ZAL 141.87 ZAP 125.03 ETS 35.10 ZAE 125.45 ETE 144.30 ZAC 39.90 ETC 209.88 CLP-140.02

PLANETOCENTRIC CONIC

C3 19.339 VHL 4.398 OLA -32.14 RAL 305.47 RAD 6567.8 VEL 11.863 PTH 2.10 VHP 5.265 OPA 18.36 RAP 295.00 ECC 1.3183
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.13 6 1 32 1279.86 22.35 354.17 174.58 113.72 6 22 52 679.9 23.36 346.48
 105.87 10 8 28 5776.99 22.36 273.48 174.58 113.71 11 44 45 5177.0 23.37 265.79
 74.13 6 1 32 1279.86 22.35 354.17 174.58 113.72 6 22 52 679.9 23.36 346.48
 105.87 10 8 28 5776.99 22.36 273.48 174.58 113.71 11 44 45 5177.0 23.37 265.79
 110.00 9 5 28 684.20 14.71 306.37 170.40 121.21 9 16 53 84.2 18.73 299.56
 110.00 12 3 42 5420.65 30.45 249.37 177.87 106.33 13 34 3 4820.6 32.38 240.69

DIFFERENTIAL CORRECTIONS

TOE -.7929 TRA-1.0143 TC3-2.7792 BAU .7664
 ROE .1749 RRA .0843 RC3 1.0307 FAU .08974
 FDE -.6546 FRA -.3142 FC3-3.1219 BSP 9898
 BOE .8119 BRA 1.0178 BC3 2.9642 FSP -825

MID-COURSE EXECUTION ACCURACY

SGT 3078.6 SGR 943.7 SG3 251.9
 RRT -.9134 RRF -.9981 RTF .9300
 SGB 3220.0 R23 .3345 R13 -.9415
 SGI 3198.7 SG2 369.7 THA 164.14

ORBIT DETERMINATION ACCURACY

ST 1136.5 SR 232.8 SS 395.3
 CRT -.9662 CRS .9998 CST -.9669
 LSA 1220.7 MSA 109.2 SSA 4.4
 EL1 1158.6 EL2 58.8 ALF 168.78

LAUNCH DATE DEC 16 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.913 GAL -7.21 AZL 102.47 MCA 178.39 SMA 129.63 ECC .18403 INC12.4705 V1 30.262
 RP 108.69 LAP -.35 LOP 262.25 VP 37.660 GAP 5.13 AZP 77.53 TAL 215.78 TAP 34.16 RCA 105.78 APO 153.49 V2 34.865
 RC 119.206 GL -52.17 GP 71.58 ZAL 116.21 ZAP 107.17 ETS 59.21 ZAE 101.64 ETE 144.76 ZAC 58.35 ETC 240.79 CLP-159.05

PLANETOCENTRIC CONIC
 C3 57.326 VHL 7.571 OLA -66.57 RAL 340.82 RAD 6569.0 VEL 13.367 PTH 2.44 VHP 10.793 DPA 47.18 RAP 280.74 ECC 1.9434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.86 5 20 51 2019.05 24.85 65.93 239.23 154.01 5 54 30 1419.1 31.99 62.23
 153.14 15 31 13 5577.49 24.86 258.07 239.25 154.00 17 4 11 4977.5 31.99 254.37
 26.86 5 20 51 2019.05 24.85 65.93 239.23 154.01 5 54 30 1419.1 31.99 62.23
 153.14 15 31 13 5577.49 24.86 258.07 239.25 154.00 17 4 11 4977.5 31.99 254.37
 26.86 5 20 51 2019.05 24.85 65.93 239.23 154.01 5 54 30 1419.1 31.99 62.23
 153.14 15 31 13 5577.49 24.86 258.07 239.25 154.00 17 4 11 4977.5 31.99 254.37

DIFFERENTIAL CORRECTIONS
 TDE-4.0075 TRA .3135 TC3 -.8514 BAU .6791 SGT 3348.9 SGR 782.5 SG3 96.4 ST 3038.2 SR 462.5 SS 860.3
 RDE .5730 RRA -.2809 RC3 .2458 FAU .02098 RRT -.8066 RRF -.9183 RTF .9747 CRT -.9567 CRS .9768 CST -.9968
 FDE-1.2072 FRA .2233 FC3 -.3169 BSP 10695 SGB 3439.1 R23 .1985 R13 -.9801 LSA 3188.0 MSA 146.5 SSA .4
 BDE 4.0483 BRA .4209 BC3 .8861 FSP -310 SG1 3408.9 SG2 454.4 TMA 169.13 EL1 3070.3 EL2 133.2 ALF 171.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.861 GAL -7.01 AZL 71.46 MCA 181.68 SMA 129.26 ECC .18415 INC18.5360 V1 30.262
 RP 108.72 LAP -.53 LOP 265.42 VP 37.612 GAP 5.41 AZP 108.53 TAL 214.50 TAP 36.18 RCA 105.46 APO 153.07 V2 34.856
 RC 121.557 GL 59.48 GP -69.78 ZAL 108.52 ZAP 108.84 ETS 282.88 ZAE 97.01 ETE 199.65 ZAC 85.28 ETC 101.09 CLP-159.17

PLANETOCENTRIC CONIC
 C3 104.144 VHL 10.205 OLA 40.37 RAL 298.18 RAD 6570.0 VEL 15.016 PTH 2.70 VHP 10.447 DPA -84.57 RAP 63.28 ECC 2.7140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.93 16 11 53 4565.81 -11.51 207.20 194.34 51.03 17 27 59 3965.8 -16.46 201.14
 120.07 22 56 1 3305.32 -11.49 111.14 194.33 51.03 23 51 6 2705.3 -16.44 105.09
 59.93 16 11 53 4565.81 -11.51 207.20 194.34 51.03 17 27 59 3965.8 -16.46 201.14
 120.07 22 56 1 3305.32 -11.49 111.14 194.33 51.03 23 51 6 2705.3 -16.44 105.09
 59.93 16 11 53 4565.81 -11.51 207.20 194.34 51.03 17 27 59 3965.8 -16.46 201.14
 120.07 22 56 1 3305.32 -11.49 111.14 194.33 51.03 23 51 6 2705.3 -16.44 105.09

DIFFERENTIAL CORRECTIONS
 TDE 4.8770 TRA-2.7440 TC3 -.3524 BAU .4908 SGT 3479.1 SGR 717.2 SG3 94.8 ST 2804.6 SR 334.2 SS 861.8
 RDE -.4776 RRA .9024 RC3 -.0066 FAU .01777 RRT -.8294 RRF -.7148 RTF .9835 CRT -.9124 CRS .8818 CST -.9976
 FDE 1.6818 FRA -.6397 FC3 -.1477 BSP 10407 SGB 3552.2 R23 -.1996 R13 -.9798 LSA 2949.2 MSA 149.2 SSA .5
 BDE 4.9003 BRA 2.8886 BC3 .3525 FSP -308 SG1 3530.2 SG2 394.9 TMA 170.17 EL1 2821.2 EL2 136.0 ALF 173.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.808 GAL -6.77 AZL 81.40 MCA 184.82 SMA 128.90 ECC .18395 INC 8.5970 V1 30.262
 RP 108.75 LAP -.72 LOP 268.59 VP 37.565 GAP 5.64 AZP 98.57 TAL 213.09 TAP 37.90 RCA 105.19 APO 152.61 V2 34.846
 RC 123.903 GL 43.84 GP -38.79 ZAL 121.57 ZAP 130.25 ETS 314.00 ZAE 120.50 ETE 209.92 ZAC 63.40 ETC 127.85 CLP-146.00

PLANETOCENTRIC CONIC
 C3 35.524 VHL 5.980 OLA 24.03 RAL 298.59 RAD 6568.4 VEL 12.526 PTH 2.27 VHP 5.461 DPA -59.54 RAP 319.08 ECC 1.5846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 51 54 3225.06 -25.74 112.49 179.27 77.78 22 45 39 2625.1 -27.17 104.12
 90.00 17 19 17 4131.74 -2.16 168.17 170.40 61.76 18 28 9 3531.7 -5.92 161.51
 100.00 23 33 6 2898.78 -28.05 89.02 179.80 79.21 24 21 25 2298.8 -29.25 80.42
 100.00 18 20 46 3933.25 -1.11 152.45 169.26 60.11 19 26 20 3333.3 -4.08 145.92
 110.00 1 24 28 2562.64 -33.47 64.50 180.81 82.60 2 7 11 1962.6 -34.13 55.32
 110.00 18 49 49 3842.16 4.55 142.64 166.35 56.09 19 53 51 3242.2 .07 136.43

DIFFERENTIAL CORRECTIONS
 TDE 2.1058 TRA-2.1059 TC3-1.5852 BAU .7534 SGT 3534.3 SGR 462.9 SG3 233.4 ST 2131.5 SR 345.5 SS 868.5
 RDE .3593 RRA .0111 RC3 -.2584 FAU .06128 RRT .7627 RRF .9329 RTF .9433 CRT .9469 CRS -.9876 CST -.9856
 FDE 1.8932 FRA -.8563 FC3-1.4935 BSP 10883 SGB 3564.5 R23 .3221 R13 .9460 LSA 2321.2 MSA 170.3 SSA 1.1
 BDE 2.1363 BRA 2.1059 BC3 1.5864 FSP -783 SG1 3552.1 SG2 297.9 TMA 5.75 EL1 2156.5 EL2 109.8 ALF 8.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.755 GAL -6.53 AZL 83.49 MCA 187.98 SMA 128.53 ECC .18390 INC 6.5076 V1 30.262
 RP 108.78 LAP -.90 LOP 271.76 VP 37.517 GAP 5.87 AZP 96.43 TAL 211.66 TAP 39.64 RCA 104.89 APO 152.16 V2 34.838
 RC 126.245 GL 37.01 GP -25.09 ZAL 125.26 ZAP 139.15 ETS 324.69 ZAE 127.58 ETE 202.54 ZAC 55.19 ETC 136.49 CLP-146.64

PLANETOCENTRIC CONIC
 C3 28.957 VHL 5.192 OLA 17.47 RAL 300.66 RAD 6568.1 VEL 12.179 PTH 2.19 VHP 4.872 DPA -45.85 RAP 315.37 ECC 1.4436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 20 15 2864.05 -28.31 86.50 173.92 90.47 24 7 59 2264.0 -27.95 77.86
 90.00 16 7 27 4354.23 5.00 180.60 165.75 62.09 17 20 1 3754.2 1.22 173.96
 100.00 0 55 41 2568.99 -29.84 64.77 173.89 91.78 1 38 30 1969.0 -29.28 56.01
 100.00 17 18 38 4124.52 6.34 162.98 165.01 60.73 18 27 23 3524.5 2.39 156.42
 110.00 2 26 14 2285.70 -33.82 42.96 173.60 95.29 3 4 19 1685.7 -32.72 33.90
 110.00 18 4 35 3980.58 9.75 149.99 162.94 57.07 19 10 55 3380.6 5.35 143.67

DIFFERENTIAL CORRECTIONS
 TDE 1.5768 TRA-1.9058 TC3-2.2015 BAU .7968 SGT 3621.5 SGR 313.0 SG3 286.3 ST 1862.8 SR 229.1 SS 815.7
 RDE .2074 RRA .0244 RC3 -.2039 FAU .07611 RRT .7233 RRF .9153 RTF .9326 CRT .9210 CRS -.9835 CST -.9763
 FDE 1.7363 FRA -.8060 FC3-2.4441 BSP 11291 SGB 3635.0 R23 .3452 R13 .9338 LSA 2038.4 MSA 181.5 SSA 2.5
 BDE 1.5904 BRA 1.9060 BC3 2.2109 FSP -960 SG1 3628.6 SG2 215.7 TMA 3.59 EL1 1874.8 EL2 88.7 ALF 6.48

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 396.474

RL 147.22 LAL -1.00 LOL 83.83 VL 27.701 GAL -6.28 AZL 84.40 HCA 191.15 SMA 128.16 ECC .18394 INC 5.6003 V1 30.262
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.470 GAP 6.10 AZP 95.50 TAL 210.21 TAP 41.36 RCA 104.59 APO 151.73 V2 34.830
 RC 128.581 GL 33.55 GP -18.11 ZAL 126.21 ZAP 143.71 ETS 331.25 ZAE 130.01 ETE 197.17 ZAC 52.20 ETC 142.18 CLP-147.99

PLANETOCENTRIC CONIC

C3 23.638 VHL 4.862 OLA 14.38 RAL 302.53 RAD 6568.0 VEL 12.042 PTH 2.15 VMP 4.763 OPA -38.67 RAP 315.03 ECC 1.3890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 0 57 2718.34 -27.77 75.89 171.91 95.76 0 46 15 2118.3 -26.68 67.39
 90.00 15 45 35 4435.15 7.55 185.17 165.18 62.63 16 59 30 3835.1 3.83 178.48
 100.00 1 29 58 2431.25 -29.12 54.60 171.74 97.08 2 10 29 1831.3 -27.83 46.03
 100.00 16 59 15 4197.47 8.75 167.06 164.54 61.30 18 9 13 3597.5 4.85 160.44
 110.00 2 55 24 2163.96 -32.67 33.65 171.09 100.68 3 31 28 1564.0 -30.85 24.91
 110.00 17 50 19 4037.52 11.84 153.07 162.68 57.70 18 57 36 3437.5 7.50 146.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3735 TRA-1.8014 TC3-2.6087 BAU .8253 SGT 3722.5 SGR 213.4 SG3 300.1 ST 1748.7 SR 172.7 SS 766.4
 ROE .1460 RRA .0374 RC3 -.1210 FAU .07918 RRT .6008 RRF .8236 RTF .9274 CRT .8937 CRS -.9765 CST -.9692
 FDE 1.5639 FRA -.6955 FC3-2.9000 BSP 11603 SGB 3728.6 R23 .3318 R13 .9279 LSA 1907.9 MSA 187.5 SSA 3.9
 BDE 1.3813 BRA 1.8018 BC3 2.6115 FSP -1002 SGI 3724.7 SG2 170.5 THA 1.98 EL1 1735.6 EL2 77.2 ALF 5.05

LAUNCH DATE DEC 16 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 402.391

RL 147.22 LAL -1.00 LOL 83.83 VL 27.647 GAL -6.02 AZL 84.91 HCA 194.31 SMA 127.79 ECC .18407 INC 5.0913 V1 30.262
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.424 GAP 6.32 AZP 94.93 TAL 208.74 TAP 43.05 RCA 104.27 APO 151.32 V2 34.822
 RC 130.911 GL 31.55 GP -14.00 ZAL 126.04 ZAP 146.67 ETS 335.55 ZAE 130.90 ETE 193.55 ZAC 51.30 ETC 146.21 CLP-149.44

PLANETOCENTRIC CONIC

C3 21.745 VHL 4.663 OLA 12.77 RAL 304.31 RAD 6567.9 VEL 11.963 PTH 2.13 VMP 4.776 OPA -34.28 RAP 315.68 ECC 1.3579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 22 9 2642.33 -27.13 70.42 171.44 98.43 1 6 11 2042.3 -25.69 62.05
 90.00 15 38 35 4470.59 8.66 187.19 165.59 62.93 16 53 6 3870.6 4.96 180.47
 100.00 1 50 5 2358.72 -28.40 49.33 171.21 99.76 2 29 24 1758.7 -26.75 40.91
 100.00 16 53 20 4229.43 9.79 168.86 164.99 61.61 18 3 49 3629.4 5.92 162.21
 110.00 3 13 11 2098.68 -31.74 28.79 170.42 103.42 3 48 10 1498.7 -29.57 20.26
 110.00 17 46 43 4062.24 12.74 154.43 163.24 58.01 18 54 25 3462.2 8.42 147.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2735 TRA-1.7308 TC3-2.9312 BAU .8523 SGT 3831.0 SGR 164.6 SG3 300.7 ST 1698.0 SR 149.1 SS 730.8
 ROE .1207 RRA .0424 RC3 -.0512 FAU .07848 RRT .3903 RRF .6282 RTF .9239 CRT .8753 CRS -.9722 CST -.9637
 FDE 1.4283 FRA -.5851 FC3-3.1243 BSP 11997 SGB 3834.5 R23 .2901 R13 .9241 LSA 1844.6 MSA 191.9 SSA 5.3
 BDE 1.2792 BRA 1.7313 BC3 2.9317 FSP -1004 SGI 3831.5 SG2 151.6 THA .96 EL1 1703.0 EL2 71.9 ALF 4.40

LAUNCH DATE DEC 16 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 408.295

RL 147.22 LAL -1.00 LOL 83.83 VL 27.594 GAL -5.76 AZL 85.24 HCA 197.48 SMA 127.43 ECC .18429 INC 4.7639 V1 30.262
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.378 GAP 6.54 AZP 94.54 TAL 207.24 TAP 44.72 RCA 103.94 APO 150.91 V2 34.818
 RC 135.236 GL 30.29 GP -11.33 ZAL 125.28 ZAP 148.92 ETS 338.52 ZAE 131.19 ETE 191.04 ZAC 51.43 ETC 149.24 CLP-150.87

PLANETOCENTRIC CONIC

C3 20.436 VHL 4.521 OLA 11.94 RAL 306.07 RAD 6567.8 VEL 11.909 PTH 2.12 VMP 4.833 OPA -31.25 RAP 316.79 ECC 1.3363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 36 14 2599.23 -26.67 67.35 171.72 99.90 1 19 34 1999.2 -25.03 59.07
 90.00 15 38 33 4483.86 9.07 187.95 166.40 63.06 16 53 17 3883.9 5.38 181.21
 100.00 2 3 39 2317.30 -27.88 46.36 171.47 101.24 2 42 17 1717.3 -26.05 38.04
 100.00 16 53 49 4241.02 10.16 169.52 165.82 61.74 18 4 30 3641.0 6.31 162.85
 110.00 3 25 38 2060.80 -31.11 26.02 170.61 104.95 3 59 58 1460.8 -28.74 17.62
 110.00 17 48 20 4070.29 13.03 154.87 164.12 58.11 18 56 11 3470.3 8.72 148.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2226 TRA-1.6702 TC3-3.2124 BAU .8777 SGT 3939.3 SGR 150.8 SG3 296.3 ST 1682.3 SR 141.4 SS 706.4
 ROE .1108 RRA .0423 RC3 .0051 FAU .07636 RRT .1440 RRF .3636 RTF .9212 CRT .8699 CRS -.9728 CST -.9596
 FDE 1.3247 FRA -.4815 FC3-3.2346 BSP 12394 SGB 3942.2 R23 .2332 R13 .9213 LSA 1819.6 MSA 195.1 SSA 6.6
 BDE 1.2276 BRA 1.6707 BC3 3.2124 FSP -992 SGI 3939.3 SG2 149.2 THA .32 EL1 1686.8 EL2 69.5 ALF 4.19

LAUNCH DATE DEC 16 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 414.185

RL 147.22 LAL -1.00 LOL 83.83 VL 27.540 GAL -5.49 AZL 85.47 HCA 200.65 SMA 127.07 ECC .18461 INC 4.5342 V1 30.262
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.332 GAP 6.76 AZP 94.24 TAL 205.71 TAP 46.36 RCA 103.61 APO 150.52 V2 34.809
 RC 135.553 GL 29.45 GP -9.47 ZAL 124.17 ZAP 150.80 ETS 340.69 ZAE 131.22 ETE 189.21 ZAC 52.12 ETC 151.60 CLP-152.25

PLANETOCENTRIC CONIC

C3 19.428 VHL 4.408 OLA 11.57 RAL 307.86 RAD 6567.8 VEL 11.866 PTH 2.11 VMP 4.910 OPA -28.99 RAP 318.17 ECC 1.3197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 28 2574.79 -26.37 65.62 172.46 100.72 1 29 23 1974.8 -24.62 57.39
 90.00 15 42 36 4484.23 9.08 187.97 167.43 63.06 16 57 20 3884.2 5.39 181.23
 100.00 2 13 40 2293.58 -27.55 44.67 172.19 102.07 2 51 53 1693.6 -25.61 36.41
 100.00 16 58 5 4240.67 10.15 169.50 166.86 61.73 18 8 46 3640.7 6.30 162.83
 110.00 3 35 8 2038.62 -30.70 24.42 171.29 105.82 4 9 7 1438.6 -28.23 16.09
 110.00 17 53 6 4068.40 12.96 154.77 165.20 58.09 19 0 54 3468.4 8.65 148.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1971 TRA-1.6139 TC3-3.4772 BAU .9032 SGT 4050.1 SGR 156.5 SG3 290.4 ST 1686.1 SR 141.5 SS 687.7
 ROE .1082 RRA .0391 RC3 .0508 FAU .07393 RRT -.0484 RRF .1326 RTF .9196 CRT .8749 CRS -.9768 CST -.9568
 FDE 1.2394 FRA -.3905 FC3-3.2942 BSP 12842 SGB 4053.1 R23 -.1756 R13 -.9196 LSA 1815.8 MSA 196.4 SSA 8.0
 BDE 1.2020 BRA 1.6144 BC3 3.4776 FSP -983 SGI 4050.1 SG2 156.3 THA 179.90 EL1 1690.6 EL2 68.4 ALF 4.21

LAUNCH DATE DEC 16 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.486 GAL -5.21 AZL 85.64 MCA 203.81 SMA 126.71 ECC .18503 INC 4.3634 VI 30.262
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.288 GAP 6.97 AZP 93.99 TAL 204.16 TAP 47.97 RCA 103.26 APO 150.15 V2 34.804
 RC 137.863 GL 28.87 GP -8.10 ZAL 122.80 ZAP 152.46 ETS 342.32 ZAE 131.14 ETE 187.84 ZAC 53.16 ETC 153.52 CLP-153.59

PLANETOCENTRIC CONIC
 C3 18.602 VHL 4.313 DLA 11.50 RAL 309.69 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 4.998 DPA -27.17 RAP 319.72 ECC 1.3061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 21 2562.26 -26.21 64.74 173.50 101.13 1 37 3 1962.3 -24.41 56.53
 90.00 15 49 21 4476.27 8.83 187.52 168.64 62.99 17 3 57 3876.3 5.14 180.78
 100.00 2 21 30 2281.19 -27.38 43.79 173.23 102.50 2 59 32 1681.2 -25.38 35.56
 100.00 17 4 53 4232.58 9.89 169.04 168.07 61.65 18 15 25 3632.6 6.03 162.38
 110.00 3 42 54 2026.50 -30.48 23.54 172.32 106.29 4 16 40 1426.5 -27.94 15.27
 110.00 17 59 59 4060.03 12.66 154.31 166.43 57.98 19 7 39 3460.0 8.34 147.87

DIFFERENTIAL CORRECTIONS
 TOE 1.1672 TRA-1.5777 TC3-3.7766 BAU .9395 SGT 4194.2 SGR 169.1 SG3 287.3 ST 1680.9 SR 145.4 SS 657.2
 RDE .1089 RRA .0331 RC3 .0871 FAU .07287 RRT -.1639 RRF -.0381 RTF .9222 CRT .8821 CRS -.9805 CST -.9551
 FDE 1.1390 FRA -.3402 FC3-3.3913 BSP 13797 SGB 4197.6 R23 -.1148 R13 -.9221 LSA 1800.3 MSA 192.7 SSA 9.6
 BDE 1.1722 BRA 1.5780 BC3 3.7777 FSP -1039 SG1 4194.3 SG2 166.8 TMA 179.62 EL1 1685.8 EL2 68.3 ALF 4.37

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.433 GAL -4.92 AZL 85.77 MCA 206.97 SMA 126.35 ECC .18554 INC 4.2307 VI 30.262
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.243 GAP 7.18 AZP 93.77 TAL 202.59 TAP 49.56 RCA 102.91 APO 149.80 V2 34.799
 RC 140.164 GL 28.47 GP -7.06 ZAL 121.21 ZAP 153.95 ETS 343.58 ZAE 131.01 ETE 186.78 ZAC 54.45 ETC 155.13 CLP-154.86

PLANETOCENTRIC CONIC
 C3 17.895 VHL 4.230 DLA 11.65 RAL 311.60 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 5.092 DPA -25.65 RAP 321.39 ECC 1.2945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 41 2558.32 -26.15 64.46 174.80 101.26 1 43 20 1958.3 -24.34 56.27
 90.00 15 58 14 4462.10 8.39 186.71 169.99 62.86 17 12 36 3862.1 4.69 179.99
 100.00 2 27 56 2276.94 -27.31 43.49 174.52 102.65 3 5 53 1676.9 -25.30 35.27
 100.00 17 13 40 4218.71 9.44 168.25 169.44 61.51 18 23 59 3618.7 5.56 161.61
 110.00 3 49 32 2021.63 -30.38 23.20 173.61 106.47 4 23 13 1421.6 -27.83 14.93
 110.00 18 8 34 4046.79 12.18 153.58 167.80 57.81 19 16 1 3446.8 7.84 147.17

DIFFERENTIAL CORRECTIONS
 TOE 1.2197 TRA-1.4680 TC3-3.9196 BAU .9382 SGT 4224.7 SGR 191.0 SG3 272.4 ST 1763.4 SR 155.0 SS 687.5
 RDE .1141 RRA .0285 RC3 .1242 FAU .06667 RRT -.2148 RRF -.0932 RTF .9120 CRT .9063 CRS -.9894 CST -.9544
 FDE 1.1507 FRA -.1889 FC3-3.2255 BSP 13100 SGB 4229.0 R23 -.1055 R13 -.9120 LSA 1888.4 MSA 201.1 SSA 10.3
 BDE 1.2250 BRA 1.4683 BC3 3.9216 FSP -876 SG1 4224.9 SG2 186.5 TMA 179.44 EL1 1769.0 EL2 65.3 ALF 4.56

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.379 GAL -4.62 AZL 85.88 MCA 210.14 SMA 126.00 ECC .18618 INC 4.1240 VI 30.262
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.200 GAP 7.40 AZP 93.57 TAL 201.00 TAP 51.13 RCA 102.54 APO 149.46 V2 34.795
 RC 142.456 GL 28.17 GP -6.24 ZAL 119.47 ZAP 155.34 ETS 344.59 ZAE 130.86 ETE 185.94 ZAC 55.92 ETC 156.49 CLP-156.09

PLANETOCENTRIC CONIC
 C3 17.285 VHL 4.158 DLA 11.96 RAL 313.58 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 5.192 DPA -24.30 RAP 323.16 ECC 1.2845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 0 2560.64 -26.19 64.63 176.30 101.18 1 48 41 1960.6 -24.38 56.42
 90.00 16 8 43 4443.68 7.82 185.66 171.50 62.70 17 22 46 3843.7 4.10 178.95
 100.00 2 33 26 2278.67 -27.34 43.62 176.03 102.59 3 11 24 1678.7 -25.33 35.39
 100.00 17 23 58 4200.89 8.86 167.25 170.94 61.33 18 33 59 3600.9 4.97 160.63
 110.00 3 55 26 2022.07 -30.39 23.23 175.13 106.46 4 29 8 1422.1 -27.84 14.96
 110.00 18 18 27 4030.25 11.58 152.68 169.31 57.61 19 25 37 3430.3 7.22 146.29

DIFFERENTIAL CORRECTIONS
 TOE 1.2345 TRA-1.3996 TC3-4.1562 BAU .9611 SGT 4327.3 SGR 209.2 SG3 265.4 ST 1804.1 SR 164.1 SS 682.9
 RDE .1189 RRA .0210 RC3 .1523 FAU .06397 RRT -.2402 RRF -.1451 RTF .9110 CRT .9222 CRS -.9935 CST -.9545
 FDE 1.1026 FRA -.1131 FC3-3.2041 BSP 13503 SGB 4332.3 R23 -.0765 R13 -.9109 LSA 1925.7 MSA 199.6 SSA 11.5
 BDE 1.2402 BRA 1.3998 BC3 4.1590 FSP -862 SG1 4327.6 SG2 203.0 TMA 179.33 EL1 1810.5 EL2 63.2 ALF 4.80

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.326 GAL -4.31 AZL 85.96 MCA 213.30 SMA 125.65 ECC .18693 INC 4.0359 VI 30.262
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.158 GAP 7.61 AZP 93.38 TAL 199.39 TAP 52.68 RCA 102.17 APO 149.14 V2 34.791
 RC 144.737 GL 27.94 GP -5.58 ZAL 117.57 ZAP 156.63 ETS 345.39 ZAE 130.71 ETE 185.26 ZAC 57.51 ETC 157.68 CLP-157.27

PLANETOCENTRIC CONIC
 C3 16.752 VHL 4.093 DLA 12.39 RAL 315.65 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 5.295 DPA -23.09 RAP 325.00 ECC 1.2757
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 34 2568.11 -26.28 65.15 178.00 100.94 1 53 22 1968.1 -24.51 56.93
 90.00 16 20 37 4421.78 7.13 184.42 173.15 62.52 17 34 19 3821.8 3.40 177.73
 100.00 2 38 16 2285.27 -27.44 44.08 177.73 102.36 3 16 21 1685.3 -25.46 35.84
 100.00 17 35 36 4179.86 8.17 166.07 172.59 61.15 18 45 16 3579.9 4.26 159.47
 110.00 4 0 51 2026.83 -30.48 23.57 176.85 106.27 4 34 38 1426.8 -27.95 15.29
 110.00 18 29 30 4011.06 10.88 151.63 170.96 57.39 19 36 21 3411.1 6.50 145.27

DIFFERENTIAL CORRECTIONS
 TOE 1.2577 TRA-1.3248 TC3-4.3865 BAU .9832 SGT 4427.1 SGR 227.2 SG3 258.3 ST 1853.6 SR 174.3 SS 681.7
 RDE .1244 RRA .0130 RC3 .1768 FAU .06128 RRT -.2469 RRF -.1725 RTF .9101 CRT .9378 CRS -.9960 CST -.9553
 FDE 1.0628 FRA -.0431 FC3-3.1666 BSP 13901 SGB 4432.9 R23 -.0544 R13 -.9101 LSA 1972.8 MSA 197.3 SSA 12.7
 BDE 1.2638 BRA 1.3249 BC3 4.3901 FSP -847 SG1 4427.4 SG2 228.2 TMA 179.27 EL1 1860.8 EL2 60.3 ALF 5.05

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.273 GAL -3.99 AZL 86.04 MCA 216.46 SMA 125.31 ECC .18780 INC 3.9615 V1 30.262
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.116 GAP 7.82 AZP 93.19 TAL 197.76 TAP 54.22 RCA 101.78 APO 148.85 V2 34.788
 RC 147.008 GL 27.76 GP -5.05 ZAL 115.53 ZAP 157.86 ETS 346.05 ZAE 130.58 ETE 184.70 ZAC 59.22 ETC 158.72 CLP-158.41

PLANETOCENTRIC CONIC
 C3 16.287 VHL 4.036 OLA 12.93 RAL 317.80 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 5.402 DPA -21.95 RAP 326.89 ECC 1.2680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 35 2579.94 -26.43 65.99 179.89 100.54 1 57 35 1979.9 -24.71 57.74
 90.00 16 33 49 4397.06 6.36 183.02 174.95 62.35 17 47 6 3797.1 2.60 176.35
 100.00 2 42 37 2296.00 -27.59 44.84 179.63 101.99 3 20 53 1696.0 -25.66 36.57
 100.00 17 48 28 4156.24 7.39 164.75 174.39 60.95 18 57 44 3556.2 3.46 158.16
 110.00 4 5 57 2035.25 -30.64 24.17 178.76 105.95 4 39 53 1435.2 -28.15 15.86
 110.00 18 41 37 3989.75 10.09 150.48 172.75 57.17 19 48 7 3389.8 5.70 144.15

DIFFERENTIAL CORRECTIONS
 TOE 1.2899 TRA-1.2402 TC3-4.6038 BAU 1.0034
 ROE .1304 RRA .0045 RC3 .1981 FAU .05848
 FDE 1.0311 FRA .0271 FC3-3.1066 BSP 14223
 BOE 1.2965 BRA 1.2402 BC3 4.6081 FSP -825

MID-COURSE EXECUTION ACCURACY
 SGT 4519.4 SGR 244.7 SG3 251.0
 RRT -.2414 RRF -.1829 RTF .9089
 SGB 4526.1 R23 -.0383 R13 -.9088
 SG1 4519.8 SG2 237.5 TMA 179.25

ORBIT DETERMINATION ACCURACY
 ST 1913.1 SR 185.2 SS 684.1
 CRT .9524 CRS -.9970 CST -.9567
 LSA 2030.8 MSA 194.6 SSA 13.8
 EL1 1921.2 EL2 56.2 ALF 5.27

LAUNCH DATE DEC 16 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.221 GAL -3.66 AZL 86.10 MCA 219.62 SMA 124.97 ECC .18881 INC 3.8974 V1 30.262
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.076 GAP 8.03 AZP 93.00 TAL 196.11 TAP 55.73 RCA 101.38 APO 148.57 V2 34.786
 RC 149.266 GL 27.60 GP -4.60 ZAL 113.36 ZAP 159.02 ETS 346.58 ZAE 130.45 ETE 184.24 ZAC 61.01 ETC 159.64 CLP-159.51

PLANETOCENTRIC CONIC
 C3 15.886 VHL 3.986 OLA 13.55 RAL 320.06 RAD 6567.6 VEL 11.716 PTH 2.06 VMP 5.512 DPA -20.88 RAP 328.84 ECC 1.2614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 12 2595.61 -26.62 67.09 181.97 100.02 2 1 28 1995.6 -24.97 58.82
 90.00 16 48 13 4370.03 5.50 181.49 176.92 62.18 18 1 3 3770.0 1.73 174.84
 100.00 2 46 39 2310.35 -27.79 45.86 181.72 101.49 3 25 9 1710.4 -25.92 37.56
 100.00 18 2 27 4130.52 6.54 163.31 176.36 60.77 19 11 17 3530.5 2.60 156.75
 110.00 4 10 52 2046.85 -30.86 25.01 180.88 105.50 4 44 59 1446.9 -28.42 16.66
 110.00 18 54 43 3966.79 9.24 149.25 174.71 56.94 20 0 50 3366.8 4.82 142.94

DIFFERENTIAL CORRECTIONS
 TOE 1.3289 TRA-1.1479 TC3-4.8113 BAU 1.0228
 ROE .1366 RRA -.0043 RC3 .2164 FAU .05575
 FDE 1.0042 FRA .0939 FC3-3.0382 BSP 14531
 BOE 1.3359 BRA 1.1479 BC3 4.8162 FSP -803

MID-COURSE EXECUTION ACCURACY
 SGT 4608.7 SGR 261.5 SG3 243.9
 RRT -.2286 RRF -.1830 RTF .9078
 SGB 4616.1 R23 -.0258 R13 -.9078
 SG1 4609.0 SG2 254.5 TMA 179.25

ORBIT DETERMINATION ACCURACY
 ST 1980.4 SR 196.5 SS 688.6
 CRT .9652 CRS -.9963 CST -.9585
 LSA 2097.1 MSA 191.1 SSA 14.8
 EL1 1989.4 EL2 51.1 ALF 5.47

LAUNCH DATE DEC 16 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.188 GAL -3.32 AZL 86.16 MCA 222.78 SMA 124.64 ECC .18995 INC 3.8414 V1 30.262
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.036 GAP 8.24 AZP 92.82 TAL 194.44 TAP 57.23 RCA 100.96 APO 148.32 V2 34.785
 RC 151.511 GL 27.44 GP -4.22 ZAL 111.06 ZAP 160.13 ETS 347.02 ZAE 130.35 ETE 183.85 ZAC 62.87 ETC 160.47 CLP-160.57

PLANETOCENTRIC CONIC
 C3 15.546 VHL 3.943 OLA 14.24 RAL 322.42 RAD 6567.6 VEL 11.702 PTH 2.06 VMP 5.625 DPA -19.84 RAP 330.82 ECC 1.2558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 31 2614.76 -26.84 68.45 184.24 99.37 2 5 6 2014.8 -25.27 60.14
 90.00 17 3 44 4341.09 4.58 179.87 179.07 62.03 18 16 5 3741.1 .80 173.22
 100.00 2 50 26 2327.98 -28.02 47.12 184.01 100.86 3 29 14 1728.0 -26.24 38.77
 100.00 18 17 30 4103.10 5.63 161.79 178.49 60.59 19 25 53 3503.1 1.67 155.24
 110.00 4 15 40 2061.32 -31.11 26.06 183.19 104.93 4 50 1 1461.3 -28.75 17.65
 110.00 19 8 46 3942.52 8.34 147.95 176.83 56.73 20 14 28 3342.5 3.90 141.67

DIFFERENTIAL CORRECTIONS
 TOE 1.3760 TRA-1.0450 TC3-5.0008 BAU 1.0404
 ROE .1431 RRA -.0132 RC3 .2316 FAU .05298
 FDE .9835 FRA .1605 FC3-2.9504 BSP 14772
 BOE 1.3834 BRA 1.0451 BC3 5.0062 FSP -775

MID-COURSE EXECUTION ACCURACY
 SGT 4690.8 SGR 277.4 SG3 236.8
 RRT -.2101 RRF -.1743 RTF .9065
 SGB 4699.0 R23 -.0172 R13 -.9065
 SG1 4691.2 SG2 271.2 TMA 179.29

ORBIT DETERMINATION ACCURACY
 ST 2057.4 SR 208.0 SS 696.3
 CRT .9761 CRS -.9941 CST -.9608
 LSA 2173.9 MSA 187.2 SSA 15.8
 EL1 2067.4 EL2 44.9 ALF 5.64

LAUNCH DATE DEC 16 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -0.00 LOL 83.83 VL 27.116 GAL -2.97 AZL 86.21 MCA 225.94 SMA 124.31 ECC .19125 INC 3.7916 V1 30.262
 RP 108.94 LAP -2.72 LOP 309.71 VP 36.997 GAP 8.46 AZP 92.64 TAL 192.77 TAP 58.71 RCA 100.54 APO 148.08 V2 34.784
 RC 153.743 GL 27.28 GP -3.90 ZAL 108.63 ZAP 161.20 ETS 347.37 ZAE 130.26 ETE 183.52 ZAC 64.80 ETC 161.21 CLP-161.59

PLANETOCENTRIC CONIC
 C3 15.267 VHL 3.907 OLA 14.99 RAL 324.89 RAD 6567.6 VEL 11.690 PTH 2.06 VMP 5.741 DPA -18.82 RAP 332.83 ECC 1.2513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 37 2637.13 -27.08 70.05 186.71 98.61 2 8 34 2037.1 -25.61 61.69
 90.00 17 20 20 4310.59 3.60 178.16 181.39 61.89 18 32 10 3710.6 -.19 171.52
 100.00 2 54 4 2348.62 -28.28 48.60 186.48 100.12 3 33 13 1748.6 -26.59 40.21
 100.00 18 33 33 4074.33 4.66 160.20 180.80 60.44 19 41 27 3474.3 .69 153.66
 110.00 4 20 26 2078.41 -31.41 27.30 185.70 104.24 4 55 4 1478.4 -29.13 18.84
 110.00 19 23 41 3917.31 7.39 146.61 179.12 56.53 20 28 58 3317.3 2.94 140.35

DIFFERENTIAL CORRECTIONS
 TOE 1.4254 TRA -.9369 TC3-5.1833 BAU 1.0591
 ROE .1496 RRA -.0223 RC3 .2437 FAU .05047
 FDE .9620 FRA .2204 FC3-2.8618 BSP 15067
 BOE 1.4332 BRA .9372 BC3 5.1890 FSP -756

MID-COURSE EXECUTION ACCURACY
 SGT 4774.8 SGR 292.4 SG3 230.3
 RRT -.1897 RRF -.1640 RTF .9061
 SGB 4783.7 R23 -.0087 R13 -.9061
 SG1 4775.1 SG2 287.1 TMA 179.33

ORBIT DETERMINATION ACCURACY
 ST 2136.7 SR 219.7 SS 702.3
 CRT .9846 CRS -.9905 CST -.9632
 LSA 2252.4 MSA 182.2 SSA 16.8
 EL1 2147.6 EL2 38.2 ALF 5.78

LAUNCH DATE DEC 16 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.065 GAL -2.61 AZL 86.25 HCA 229.11 SMA 123.99 ECC .19270 INC 3.7469 V1 30.262
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.960 GAP 8.67 AZP 92.46 TAL 191.07 TAP 60.18 RCA 100.09 APO 147.88 V2 34.784
 RC 155.962 GL 27.09 GP -3.63 ZAL 106.10 ZAP 162.22 ETS 347.65 ZAE 130.19 ETE 183.24 ZAC 66.78 ETC 161.89 CLP-162.59

PLANETOCENTRIC CONIC
 C3 15.053 VHL 3.880 DLA 15.78 RAL 327.47 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 5.862 DPA -17.82 RAP 334.87 ECC 1.2477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 33 2662.52 -27.33 71.86 189.36 97.73 2 11 55 2062.5 -25.97 63.46
 90.00 17 37 57 4278.84 2.58 176.38 183.90 61.79 18 49 16 3678.8 -1.21 169.75
 100.00 2 57 37 2372.07 -28.55 50.29 189.16 99.27 3 37 9 1772.1 -26.97 41.85
 100.00 18 50 34 4044.52 3.66 158.56 183.30 60.31 19 57 59 3444.5 -1.32 152.03
 110.00 4 25 14 2097.91 -31.73 28.73 188.42 103.45 5 0 12 1497.9 -29.55 20.20
 110.00 19 39 26 3891.45 6.42 145.24 181.59 56.35 20 44 18 3291.4 1.95 139.00

MID-COURSE EXECUTION ACCURACY
 SGT 4854.5 SGR 306.7 SG3 223.8
 RRT -.1671 RRF -.1496 RTF .9059
 SGB 4864.2 R23 -.0024 R13 -.9059
 SGI 4854.8 SG2 302.4 TMA 179.39

ORBIT DETERMINATION ACCURACY
 ST 2221.5 SR 231.4 SS 709.1
 CRT .9908 CRS -.9857 CST -.9657
 LSA 2336.6 MSA 177.0 SSA 17.7
 EL1 2233.3 EL2 31.2 ALF 5.89

DIFFERENTIAL CORRECTIONS
 TOE 1.4800 TRA -.8202 TC3-5.3455 BAU 1.0769
 ROE .1563 RRA -.0312 RC3 .2528 FAU .04798
 FDE .9432 FRA .2780 FC3-2.7597 BSP 15361
 BOE 1.4882 BRA .8208 BC3 5.3515 FSP -737

LAUNCH DATE DEC 16 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 27.014 GAL -2.24 AZL 86.29 HCA 232.27 SMA 123.67 ECC .19432 INC 3.7063 V1 30.262
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.923 GAP 8.90 AZP 92.27 TAL 189.37 TAP 61.63 RCA 99.64 APO 147.70 V2 34.785
 RC 158.168 GL 26.87 GP -3.39 ZAL 103.45 ZAP 163.22 ETS 347.86 ZAE 130.14 ETE 183.01 ZAC 68.81 ETC 162.50 CLP-163.55

PLANETOCENTRIC CONIC
 C3 14.904 VHL 3.861 DLA 16.61 RAL 330.15 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 5.986 DPA -16.83 RAP 336.93 ECC 1.2453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 22 2690.76 -27.57 73.89 192.22 96.74 2 15 13 2090.8 -26.35 65.44
 90.00 17 56 34 4246.17 1.53 174.56 186.61 61.72 19 7 20 3646.2 -2.26 167.93
 100.00 3 1 6 2398.14 -28.82 52.18 192.03 98.31 3 41 4 1798.1 -27.37 43.68
 100.00 19 8 31 4014.01 2.63 156.88 185.99 60.21 20 15 25 3414.0 -1.35 150.36
 110.00 4 30 7 2119.65 -32.06 30.34 191.34 102.55 5 5 27 1519.6 -30.00 21.74
 110.00 19 56 0 3865.27 5.43 143.86 184.25 56.20 21 0 25 3265.3 .95 137.63

MID-COURSE EXECUTION ACCURACY
 SGT 4931.5 SGR 320.1 SG3 217.6
 RRT -.1430 RRF -.1331 RTF .9060
 SGB 4941.9 R23 -.0030 R13 -.9060
 SGI 4931.7 SG2 316.8 TMA 179.47

ORBIT DETERMINATION ACCURACY
 ST 2310.7 SR 243.2 SS 716.1
 CRT .9948 CRS -.9799 CST -.9683
 LSA 2425.2 MSA 171.6 SSA 18.6
 EL1 2323.4 EL2 24.7 ALF 5.98

DIFFERENTIAL CORRECTIONS
 TOE 1.5394 TRA -.6941 TC3-5.4864 BAU 1.0944
 ROE .1633 RRA -.0399 RC3 .2586 FAU .04562
 FDE .9262 FRA .3337 FC3-2.6499 BSP 15625
 BOE 1.5480 BRA .6952 BC3 5.4925 FSP -717

LAUNCH DATE DEC 16 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 26.963 GAL -1.86 AZL 86.33 HCA 235.43 SMA 123.35 ECC .19611 INC 3.6690 V1 30.262
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.888 GAP 9.12 AZP 92.08 TAL 187.65 TAP 63.08 RCA 99.16 APO 147.54 V2 34.787
 RC 160.359 GL 26.61 GP -3.18 ZAL 100.70 ZAP 164.18 ETS 348.00 ZAE 130.10 ETE 182.81 ZAC 70.88 ETC 163.06 CLP-164.49

PLANETOCENTRIC CONIC
 C3 14.826 VHL 3.850 DLA 17.46 RAL 332.95 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 6.114 DPA -15.84 RAP 339.01 ECC 1.2440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 8 2721.69 -27.80 76.13 195.28 95.64 2 18 29 2121.7 -26.72 67.63
 90.00 18 16 7 4212.88 .45 172.70 189.51 61.69 19 26 20 3612.9 -3.33 166.07
 100.00 3 4 36 2426.68 -29.08 54.26 195.11 97.25 3 45 3 1826.7 -27.77 45.71
 100.00 19 27 19 3983.12 1.58 155.18 188.88 60.15 20 33 43 3383.1 -2.40 148.66
 110.00 4 35 8 2143.45 -32.40 32.12 194.47 101.55 5 10 51 1543.5 -30.47 23.43
 110.00 20 13 17 3839.11 4.44 142.48 187.10 56.07 21 17 17 3239.1 -.05 136.27

MID-COURSE EXECUTION ACCURACY
 SGT 5000.3 SGR 332.7 SG3 211.3
 RRT -.1170 RRF -.1128 RTF .9057
 SGB 5011.4 R23 -.0064 R13 -.9057
 SGI 5000.5 SG2 330.4 TMA 179.55

ORBIT DETERMINATION ACCURACY
 ST 2406.1 SR 255.1 SS 724.1
 CRT .9968 CRS -.9733 CST -.9709
 LSA 2520.1 MSA 166.5 SSA 19.4
 EL1 2419.5 EL2 20.2 ALF 6.03

DIFFERENTIAL CORRECTIONS
 TOE 1.6051 TRA -.5565 TC3-5.5921 BAU 1.1096
 ROE .1707 RRA -.0483 RC3 .2614 FAU .04318
 FDE .9121 FRA .3893 FC3-2.5215 BSP 15826
 BOE 1.6142 BRA .5586 BC3 5.5982 FSP -695

LAUNCH DATE DEC 16 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC
 RL 147.22 LAL -.00 LOL 83.83 VL 26.913 GAL -1.46 AZL 86.37 HCA 238.59 SMA 123.04 ECC .19810 INC 3.6345 V1 30.262
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.853 GAP 9.36 AZP 91.90 TAL 185.92 TAP 64.51 RCA 98.67 APO 147.42 V2 34.789
 RC 162.536 GL 26.29 GP -3.00 ZAL 97.86 ZAP 165.11 ETS 348.08 ZAE 130.08 ETE 182.63 ZAC 72.98 ETC 163.58 CLP-165.41

PLANETOCENTRIC CONIC
 C3 14.822 VHL 3.850 DLA 18.33 RAL 335.85 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 6.248 DPA -14.85 RAP 341.11 ECC 1.2439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 52 2755.13 -28.00 78.56 198.53 94.44 2 21 47 2155.1 -27.09 70.01
 90.00 18 36 33 4179.33 -.63 170.83 192.62 61.69 19 46 12 3579.3 -4.41 164.19
 100.00 3 8 10 2457.47 -29.32 56.52 198.39 96.08 3 49 7 1857.5 -28.17 47.91
 100.00 19 46 55 3952.22 .54 153.49 191.97 60.11 20 52 48 3352.2 -3.44 146.96
 110.00 4 40 19 2169.13 -32.73 34.04 197.81 100.46 5 16 29 1569.1 -30.94 25.28
 110.00 20 31 15 3813.32 5.46 141.13 190.15 55.97 21 34 48 3213.3 -1.03 134.92

MID-COURSE EXECUTION ACCURACY
 SGT 5071.2 SGR 344.5 SG3 205.4
 RRT -.0915 RRF -.0932 RTF .9065
 SGB 5082.8 R23 -.0099 R13 -.9065
 SGI 5071.3 SG2 343.1 TMA 179.64

ORBIT DETERMINATION ACCURACY
 ST 2498.7 SR 267.1 SS 729.7
 CRT .9970 CRS -.9662 CST -.9733
 LSA 2611.7 MSA 161.4 SSA 20.1
 EL1 2512.9 EL2 20.7 ALF 6.08

DIFFERENTIAL CORRECTIONS
 TOE 1.6716 TRA -.4127 TC3-5.6772 BAU 1.1262
 ROE .1785 RRA -.0563 RC3 .2608 FAU .04098
 FDE .8968 FRA .4399 FC3-2.3933 BSP 16097
 BOE 1.6811 BRA .4165 BC3 5.6832 FSP -678

LAUNCH DATE DEC 16 1965

FLIGHT TIME 166.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 489.620

RL 147.22 LAL -.00 LOL 83.83 VL 26.863 GAL -1.05 AZL 86.40 HCA 241.75 SMA 122.74 ECC .20029 INC 3.6022 VI 30.262
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.819 GAP 9.60 AZP 91.71 TAL 184.18 TAP 65.93 RCA 98.16 APO 147.32 V2 34.792
 RC 164.699 GL 25.92 GP -2.84 ZAL 94.93 ZAP 166.01 ETS 348.10 ZAE 130.07 ETE 182.49 ZAC 75.12 ETC 164.05 CLP-166.30

PLANETOCENTRIC CONIC

C3 14.899 VHL 3.860 OLA 19.20 RAL 338.86 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 6.387 DPA -13.85 RAP 343.22 ECC 1.2452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 37 2790.91 -28.16 81.16 201.97 93.14 2 25 7 2190.9 -27.42 72.57
 90.00 18 57 45 4145.87 -1.71 168.96 195.93 61.73 20 6 51 3545.9 -5.47 162.31
 100.00 3 11 49 2490.33 -29.54 58.94 201.86 94.83 3 53 20 1890.3 -28.55 50.27
 100.00 20 7 14 3921.68 -1.50 151.81 195.26 60.11 21 12 35 3321.7 -4.47 145.28
 110.00 4 45 44 2196.49 -33.05 36.12 201.35 99.27 5 22 21 1596.5 -31.42 27.27
 110.00 20 49 48 3788.29 2.50 139.82 193.38 55.90 21 52 56 3188.3 -1.99 133.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7422 TRA -.2586 TC3-5.7238 BAU 1.1413 SGT 5135.9 SGR 355.5 SG3 199.5 ST 2592.3 SR 279.1 SS 734.6
 RDE .1869 RRA -.0637 RC3 .2571 FAU .03878 RRT -.0651 RRF -.0716 RTF .9073 CRT .9955 CRS -.9586 CST -.9756
 FDE .8826 FRA .4894 FC3-2.2532 BSP 16335 SGB 5148.2 R23 .0123 R13 -.9073 LSA 2704.2 MSA 156.9 SSA 20.7
 BDE 1.7522 BRA .2663 BC3 5.7296 FSP -660 SG1 5136.0 SG2 354.8 THA 179.74 EL1 2607.1 EL2 26.2 ALF 6.12

LAUNCH DATE DEC 16 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 495.324

RL 147.22 LAL -.00 LOL 83.83 VL 26.814 GAL -.62 AZL 86.43 HCA 244.91 SMA 122.44 ECC .20270 INC 3.5717 VI 30.262
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.787 GAP 9.84 AZP 91.52 TAL 182.43 TAP 67.35 RCA 97.62 APO 147.26 V2 34.796
 RC 166.847 GL 25.49 GP -2.69 ZAL 91.94 ZAP 166.90 ETS 348.05 ZAE 130.08 ETE 182.36 ZAC 77.29 ETC 164.48 CLP-167.17

PLANETOCENTRIC CONIC

C3 15.064 VHL 3.881 OLA 20.05 RAL 341.95 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 6.531 DPA -12.85 RAP 345.33 ECC 1.2479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 25 2828.00 -28.27 83.93 205.60 91.76 2 28 34 2228.8 -27.72 75.30
 90.00 19 19 39 4112.92 -2.77 167.12 199.44 61.81 20 28 12 3512.9 -6.52 160.45
 100.00 3 15 37 2525.02 -29.71 61.51 205.52 93.49 3 57 42 1925.0 -28.91 52.79
 100.00 20 28 8 3891.92 -1.51 150.18 198.74 60.14 21 33 0 3291.9 -5.47 143.63
 110.00 4 51 25 2225.30 -33.34 38.31 205.10 98.00 5 28 31 1625.3 -31.88 29.39
 110.00 21 8 49 3764.41 1.59 138.57 196.81 55.85 22 11 34 3164.4 -2.90 132.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8150 TRA -.0952 TC3-5.7352 BAU 1.1562 SGT 5198.2 SGR 365.8 SG3 193.9 ST 2682.9 SR 291.3 SS 738.3
 RDE .1960 RRA -.0706 RC3 .2503 FAU .03670 RRT -.0384 RRF -.0491 RTF .9086 CRT .9928 CRS -.9510 CST -.9777
 FDE .8689 FRA .5365 FC3-2.1088 BSP 16580 SGB 5211.0 R23 .0141 R13 -.9086 LSA 2793.6 MSA 153.0 SSA 21.2
 BDE 1.8255 BRA .1185 BC3 5.7407 FSP -645 SG1 5198.2 SG2 365.5 THA 179.84 EL1 2698.5 EL2 34.7 ALF 6.15

LAUNCH DATE DEC 16 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 501.009

RL 147.22 LAL -.00 LOL 83.83 VL 26.765 GAL -.18 AZL 86.46 HCA 248.08 SMA 122.15 ECC .20534 INC 3.5428 VI 30.262
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.756 GAP 10.10 AZP 91.32 TAL 180.68 TAP 68.76 RCA 97.06 APO 147.23 V2 34.800
 RC 168.980 GL 24.99 GP -2.57 ZAL 88.89 ZAP 167.76 ETS 347.92 ZAE 130.10 ETE 182.25 ZAC 79.48 ETC 164.87 CLP-168.03

PLANETOCENTRIC CONIC

C3 15.325 VHL 3.915 OLA 20.89 RAL 345.13 RAD 6567.6 VEL 11.692 PTH 2.06 VHP 6.682 DPA -11.85 RAP 347.46 ECC 1.2522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 19 2868.53 -28.32 86.83 209.40 90.30 2 32 8 2268.5 -27.97 78.18
 90.00 19 42 6 4080.89 -3.80 165.33 203.15 61.92 20 50 7 3480.9 -7.53 158.63
 100.00 3 19 37 2561.25 -29.83 64.19 209.36 92.08 4 2 18 1961.3 -29.22 55.44
 100.00 20 49 30 3863.40 -2.48 148.61 202.41 60.20 21 53 53 3263.4 -6.42 142.05
 110.00 4 57 25 2255.29 -33.61 40.62 209.03 96.66 5 35 0 1655.3 -32.32 31.62
 110.00 21 28 12 3742.13 .74 137.41 200.41 55.82 22 30 34 3142.1 -3.75 131.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8859 TRA .0790 TC3-5.7158 BAU 1.1721 SGT 5259.4 SGR 374.9 SG3 188.6 ST 2763.7 SR 303.5 SS 735.2
 RDE .2058 RRA -.0767 RC3 .2402 FAU .03496 RRT -.0126 RRF -.0314 RTF .9115 CRT .9890 CRS -.9429 CST -.9785
 FDE .8492 FRA .5809 FC3-1.9751 BSP 16873 SGB 5272.8 R23 .0198 R13 -.9115 LSA 2871.9 MSA 149.7 SSA 21.4
 BDE 1.8971 BRA .1101 BC3 5.7209 FSP -640 SG1 5259.4 SG2 374.9 THA 179.95 EL1 2780.0 EL2 44.6 ALF 6.20

LAUNCH DATE DEC 16 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 506.675

RL 147.22 LAL -.00 LOL 83.83 VL 26.717 GAL .28 AZL 86.48 HCA 251.24 SMA 121.86 ECC .20824 INC 3.5151 VI 30.262
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.725 GAP 10.37 AZP 91.13 TAL 178.92 TAP 70.16 RCA 96.48 APO 147.23 V2 34.805
 RC 171.096 GL 24.43 GP -2.45 ZAL 85.79 ZAP 168.60 ETS 347.72 ZAE 130.12 ETE 182.16 ZAC 81.69 ETC 165.23 CLP-168.87

PLANETOCENTRIC CONIC

C3 15.691 VHL 3.961 OLA 21.69 RAL 348.38 RAD 6567.6 VEL 11.708 PTH 2.06 VHP 6.841 DPA -10.83 RAP 349.60 ECC 1.2582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 23 2909.85 -28.29 89.85 213.36 88.79 2 35 53 2309.8 -28.16 81.19
 90.00 20 4 59 4050.22 -4.78 163.61 207.03 62.06 21 12 30 3450.2 -8.48 156.89
 100.00 3 23 52 2598.76 -29.89 66.98 213.37 90.61 4 7 10 1998.8 -29.48 58.20
 100.00 21 11 12 3836.54 -3.38 147.13 206.26 60.28 22 15 8 3236.5 -7.31 140.55
 110.00 5 3 45 2286.24 -33.82 43.00 213.13 95.27 5 41 51 1686.2 -32.73 33.94
 110.00 21 47 48 3721.83 -.04 136.35 204.18 55.82 22 49 49 3121.8 -4.52 130.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9700 TRA .2686 TC3-5.6277 BAU 1.1816 SGT 5307.8 SGR 383.9 SG3 183.0 ST 2855.3 SR 316.1 SS 744.6
 RDE .2169 RRA -.0818 RC3 .2283 FAU .03251 RRT .0167 RRF .0018 RTF .9102 CRT .9844 CRS -.9353 CST -.9814
 FDE .8462 FRA .6330 FC3-1.7938 BSP 16924 SGB 5321.7 R23 -.0136 R13 .9102 LSA 2963.9 MSA 148.9 SSA 21.5
 BDE 1.9819 BRA .2808 BC3 5.6324 FSP -603 SG1 5307.8 SG2 383.8 THA .07 EL1 2872.2 EL2 55.3 ALF 6.22

LAUNCH DATE DEC 16 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 512.318

RL 147.22 LAL -0.00 LOL 83.83 VL 26.669 GAL .76 AZL 86.51 HCA 254.41 SMA 121.57 ECC .21141 INC 3.4885 V1 30.262
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.696 GAP 10.65 AZP 90.94 TAL 177.16 TAP 71.56 RCA 95.87 APO 147.27 V2 34.811
 RC 173.196 GL 23.80 GP -2.35 ZAL 82.67 ZAP 169.43 ETS 347.42 ZAE 130.16 ETE 182.09 ZAC 83.93 ETC 165.55 CLP-169.69

PLANETOCENTRIC CONIC

C3 16.174 VHL 4.022 CLA 22.45 RAL 351.69 RAD 6567.6 VEL 11.728 PTH 2.07 VHP 7.007 CPA -9.81 RAP 351.74 ECC 1.2662
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 39 2952.37 -28.19 92.96 217.46 87.23 2 39 51 2352.4 -28.28 84.30
 90.00 20 28 6 4021.44 -5.69 161.99 211.09 62.21 21 35 8 3421.4 -9.37 153.24
 100.00 3 28 25 2637.15 -29.88 69.83 217.53 89.11 4 12 22 2037.2 -29.68 61.03
 100.00 21 33 2 3811.89 -4.21 145.78 210.28 60.38 22 36 34 3211.9 -8.13 139.17
 110.00 5 10 29 2317.81 -33.99 45.45 217.40 93.82 5 49 7 1717.8 -33.09 36.33
 110.00 22 7 27 3703.99 -1.72 135.42 208.10 55.82 23 9 11 3104.0 -5.20 129.20

DIFFERENTIAL CORRECTIONS

TOE 2.0463 TRA .4648 TC3-5.5168 BAU 1.1938
 ROE .2287 RRA -.0860 RC3 .2137 FAU .03063
 FOE .8310 FRA .6769 FC3-1.6394 BSP 17133
 BOE 2.0590 BRA .4727 BC3 5.5210 FSP -591

MID-COURSE EXECUTION ACCURACY

SGT 5357.4 SGR 391.6 SG3 177.7
 RRT .0439 RRF .0257 RTF .9122
 SGB 5371.7 R23 -.0146 R13 .9122
 SG1 5357.5 SG2 391.2 TMA .18

ORBIT DETERMINATION ACCURACY

ST 2926.2 SR 328.3 SS 741.8
 CRT .9792 CRS -.9276 CST -.9829
 LSA 3032.9 MSA 148.2 SSA 21.4
 EL1 2943.8 EL2 66.3 ALF 6.27

LAUNCH DATE DEC 16 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 517.938

RL 147.22 LAL -0.00 LOL 83.83 VL 26.622 GAL 1.26 AZL 86.54 HCA 257.57 SMA 121.29 ECC .21487 INC 3.4626 V1 30.262
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.668 GAP 10.94 AZP 90.75 TAL 175.39 TAP 72.96 RCA 95.23 APO 147.35 V2 34.817
 RC 175.278 GL 23.10 GP -2.26 ZAL 79.55 ZAP 170.25 ETS 347.01 ZAE 130.20 ETE 182.02 ZAC 86.18 ETC 165.84 CLP-170.51

PLANETOCENTRIC CONIC

C3 16.784 VHL 4.097 CLA 23.15 RAL 355.04 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 7.182 CPA -8.79 RAP 353.88 ECC 1.2762
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 11 2995.71 -28.01 96.12 221.69 85.66 2 44 7 2395.7 -28.32 87.47
 90.00 20 51 16 3995.05 -6.53 160.50 215.29 62.39 21 57 51 3395.1 -10.18 153.72
 100.00 3 33 19 2676.06 -29.80 72.72 221.81 87.59 4 17 56 2076.1 -29.82 63.92
 100.00 21 54 48 3789.94 -4.95 144.56 214.43 60.48 22 57 58 3189.9 -8.85 137.94
 110.00 5 17 38 2349.73 -34.11 47.94 221.81 92.36 5 56 48 1749.7 -33.41 38.77
 110.00 22 26 59 3689.04 -1.29 134.64 212.16 55.84 23 28 28 3089.0 -5.76 128.41

DIFFERENTIAL CORRECTIONS

TOE 2.1231 TRA .6728 TC3-5.3662 BAU 1.2049
 ROE .2417 RRA -.0892 RC3 .1973 FAU .02878
 FOE .8176 FRA .7206 FC3-1.4844 BSP 17324
 BOE 2.1368 BRA .6787 BC3 5.3698 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 5403.3 SGR 398.5 SG3 172.5
 RRT .0715 RRF .0516 RTF .9142
 SGB 5418.0 R23 -.0141 R13 .9142
 SG1 5403.4 SG2 397.5 TMA .30

ORBIT DETERMINATION ACCURACY

ST 2987.9 SR 340.5 SS 738.6
 CRT .9736 CRS -.9201 CST -.9843
 LSA 3093.0 MSA 148.5 SSA 21.1
 EL1 3006.3 EL2 77.3 ALF 6.34

LAUNCH DATE DEC 16 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 523.531

RL 147.22 LAL -0.00 LOL 83.83 VL 26.575 GAL 1.78 AZL 86.56 HCA 260.74 SMA 121.02 ECC .21866 INC 3.4374 V1 30.262
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.641 GAP 11.25 AZP 90.55 TAL 173.62 TAP 74.36 RCA 94.56 APO 147.48 V2 34.824
 RC 177.341 GL 22.35 GP -2.17 ZAL 76.43 ZAP 171.05 ETS 346.47 ZAE 130.25 ETE 181.97 ZAC 88.45 ETC 166.10 CLP-171.31

PLANETOCENTRIC CONIC

C3 17.538 VHL 4.188 CLA 23.79 RAL 358.40 RAD 6567.7 VEL 11.786 PTH 2.08 VHP 7.367 CPA -7.76 RAP 356.03 ECC 1.2886
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 4 3039.44 -27.74 99.29 226.02 84.09 2 48 44 2439.4 -28.27 90.67
 90.00 21 14 14 3971.61 -7.27 159.17 219.63 62.56 22 20 26 3371.6 -10.89 152.37
 100.00 3 38 40 2715.08 -29.66 75.61 226.21 86.08 4 23 56 2115.1 -29.89 66.82
 100.00 22 16 19 3771.21 -5.58 143.53 218.71 60.59 23 19 10 3171.2 -9.46 136.89
 110.00 5 25 14 2381.69 -34.17 50.44 226.35 90.88 6 4 56 1781.7 -33.67 41.23
 110.00 22 46 15 3677.36 -1.74 134.03 216.32 55.86 23 47 32 3077.4 -6.21 127.80

DIFFERENTIAL CORRECTIONS

TOE 2.2013 TRA .8954 TC3-5.1727 BAU 1.2136
 ROE .2958 RRA -.0912 RC3 .1796 FAU .02693
 FOE .8049 FRA .7651 FC3-1.3292 BSP 17439
 BOE 2.2162 BRA .9001 BC3 5.1758 FSP -559

MID-COURSE EXECUTION ACCURACY

SGT 5443.7 SGR 404.7 SG3 167.6
 RRT .0997 RRF .0788 RTF .9161
 SGB 5458.7 R23 -.0131 R13 .9161
 SG1 5443.8 SG2 402.7 TMA .43

ORBIT DETERMINATION ACCURACY

ST 3041.2 SR 352.4 SS 734.4
 CRT .9677 CRS -.9129 CST -.9856
 LSA 3144.7 MSA 150.1 SSA 20.7
 EL1 3060.3 EL2 88.4 ALF 6.40

LAUNCH DATE DEC 16 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 529.095

RL 147.22 LAL -0.00 LOL 83.83 VL 26.529 GAL 2.32 AZL 86.59 HCA 263.91 SMA 120.75 ECC .22279 INC 3.4126 V1 30.262
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.615 GAP 11.57 AZP 90.36 TAL 171.85 TAP 75.77 RCA 93.85 APO 147.65 V2 34.832
 RC 179.385 GL 21.55 GP -2.10 ZAL 73.34 ZAP 171.84 ETS 345.76 ZAE 130.30 ETE 181.92 ZAC 90.73 ETC 166.34 CLP-172.11

PLANETOCENTRIC CONIC

C3 18.452 VHL 4.296 CLA 24.37 RAL 1.77 RAD 6567.7 VEL 11.825 PTH 2.09 VHP 7.562 CPA -6.72 RAP 358.19 ECC 1.3037
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 24 3083.04 -27.40 102.43 230.43 82.55 2 53 47 2483.0 -28.15 93.85
 90.00 21 36 47 3951.71 -7.89 158.04 224.07 62.72 22 42 38 3351.7 -11.49 151.21
 100.00 3 44 32 2753.76 -29.44 78.47 230.69 84.59 4 30 25 2153.8 -29.88 69.69
 100.00 22 37 20 3756.22 -6.08 142.70 223.08 60.68 23 39 56 3156.2 -9.94 136.04
 110.00 5 33 19 2413.42 -34.18 52.91 230.98 89.42 6 13 32 1813.4 -33.88 43.68
 110.00 23 5 2 3669.33 -2.04 133.61 220.58 55.87 24 6 12 3069.3 -6.51 127.37

DIFFERENTIAL CORRECTIONS

TOE 2.2746 TRA 1.1275 TC3-4.9539 BAU 1.2227
 ROE .2711 RRA -.0920 RC3 .1611 FAU .02520
 FOE .7905 FRA .8077 FC3-1.1823 BSP 17620
 BOE 2.2907 BRA 1.1312 BC3 4.9565 FSP -545

MID-COURSE EXECUTION ACCURACY

SGT 5481.2 SGR 410.0 SG3 162.6
 RRT .1271 RRF .1055 RTF .9184
 SGB 5496.5 R23 -.0120 R13 .9184
 SG1 5481.4 SG2 406.6 TMA .55

ORBIT DETERMINATION ACCURACY

ST 3076.7 SR 363.9 SS 727.1
 CRT .9616 CRS -.9058 CST -.9867
 LSA 3178.6 MSA 152.6 SSA 20.1
 EL1 3096.5 EL2 99.3 ALF 6.50

LAUNCH DATE DEC 16 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 534.624

RL 147.22 LAL -.00 LOL 83.83 VL 26.484 GAL 2.89 AZL 86.61 MCA 267.08 SMA 120.48 ECC .22730 INC 3.3881 V1 30.262
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.589 GAP 11.91 AZP 90.17 TAL 170.09 TAP 77.17 RCA 93.10 APO 147.87 V2 34.840
 RC 181.409 GL 20.71 GP -2.03 ZAL 70.29 ZAP 172.61 ETS 344.83 ZAE 130.35 ETE 181.89 ZAC 93.02 ETC 166.54 CLP-172.90

PLANETOCENTRIC CONIC

C3 19.547 VML 4.421 DLA 24.87 RAL 5.12 RAD 6567.8 VEL 11.871 PTH 2.11 VHP 7.770 OPA -5.69 RAP .34 ECC 1.3217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 16 3125.98 -26.98 105.51 234.90 81.07 2 59 22 2526.0 -27.94 96.97
 90.00 21 58 38 3935.93 -8.38 157.14 228.58 62.85 23 4 14 3335.9 -11.96 150.29
 100.00 3 50 57 2791.68 -29.17 81.26 235.25 83.15 4 37 29 2191.7 -29.81 72.51
 100.00 22 57 38 3745.46 -6.44 142.10 227.53 60.75 24 0 3 3145.5 -10.29 135.43
 110.00 5 41 52 2444.66 -34.13 55.35 235.70 87.97 6 22 37 1844.7 -34.03 46.11
 110.00 23 23 12 3665.24 -2.20 133.40 224.91 55.88 24 24 17 3065.2 -6.66 127.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3457 TRA 1.3728 TC3-4.7062 BAU 1.2304 SGT 5513.9 SGR 414.4 SG3 157.8 ST 3098.8 SR 374.7 SS 718.3
 RDE .2875 RRA -.0914 RC3 .1422 FAU .02354 RRT .1547 RRF .1324 RTF .9209 CRT .9553 CRS -.8988 CST -.9877
 FDE .7759 FRA .8502 FC3 .10426 BSP 17787 SGB 5529.5 R23 -.0109 R13 .9209 LSA 3199.1 MSA 156.0 SSA 19.5
 BDE 2.3633 BRA 1.3758 BC3 4.7084 FSP -.532 SG1 5514.3 SG2 409.4 THA .67 EL1 3119.5 EL2 110.0 ALF 6.60

LAUNCH DATE DEC 16 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 540.116

RL 147.22 LAL -.00 LOL 83.83 VL 26.439 GAL 3.48 AZL 86.64 MCA 270.25 SMA 120.22 ECC .23224 INC 3.3636 V1 30.262
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.565 GAP 12.28 AZP 89.99 TAL 168.33 TAP 78.59 RCA 92.30 APO 148.14 V2 34.849
 RC 183.413 GL 19.82 GP -1.97 ZAL 67.29 ZAP 173.38 ETS 343.62 ZAE 130.41 ETE 181.86 ZAC 95.32 ETC 166.72 CLP-173.68

PLANETOCENTRIC CONIC

C3 20.844 VML 4.566 DLA 25.29 RAL 8.43 RAD 6567.8 VEL 11.926 PTH 2.12 VHP 7.991 OPA -4.65 RAP 2.50 ECC 1.3430
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 48 3167.66 -26.51 108.47 239.42 79.66 3 5 36 2567.7 -27.67 99.99
 90.00 22 19 32 3924.90 -8.72 156.51 233.14 62.95 23 24 56 3324.9 -12.28 149.64
 100.00 3 58 1 2828.42 -28.84 83.94 239.85 81.77 4 45 10 2228.4 -29.68 75.23
 100.00 23 16 59 3739.37 -6.64 141.76 232.02 60.79 24 19 19 3139.4 -10.48 135.08
 110.00 5 50 55 2475.21 -34.03 57.73 240.47 86.57 6 32 10 1875.2 -34.13 48.49
 110.00 23 40 35 3665.35 -2.20 133.41 229.27 55.88 24 41 40 3065.4 -6.66 127.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4150 TRA 1.6329 TC3-4.4337 BAU 1.2360 SGT 5541.8 SGR 418.0 SG3 153.1 ST 3108.4 SR 384.7 SS 708.4
 RDE .3051 RRA -.0893 RC3 .1236 FAU .02188 RRT .1824 RRF .1602 RTF .9233 CRT .9489 CRS -.8920 CST -.9886
 FDE .7617 FRA .8933 FC3 -.9089 BSP 17909 SGB 5557.6 R23 -.0093 R13 .9233 LSA 3207.2 MSA 160.1 SSA 18.8
 BDE 2.4342 BRA 1.6353 BC3 4.4354 FSP -.517 SG1 5542.4 SG2 410.9 THA .79 EL1 3129.8 EL2 120.6 ALF 6.71

LAUNCH DATE DEC 16 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 545.565

RL 147.22 LAL -.00 LOL 83.83 VL 26.394 GAL 4.10 AZL 86.66 MCA 273.43 SMA 119.97 ECC .23762 INC 3.3392 V1 30.262
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.542 GAP 12.67 AZP 89.80 TAL 166.58 TAP 80.01 RCA 91.46 APO 148.48 V2 34.858
 RC 185.395 GL 18.92 GP -1.91 ZAL 64.37 ZAP 174.14 ETS 342.01 ZAE 130.46 ETE 181.84 ZAC 97.63 ETC 166.86 CLP-174.46

PLANETOCENTRIC CONIC

C3 22.373 VML 4.730 DLA 25.63 RAL 11.69 RAD 6567.9 VEL 11.990 PTH 2.14 VHP 8.227 OPA -3.61 RAP 4.66 ECC 1.3682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 7 3207.50 -25.99 111.27 243.97 78.34 3 12 34 2607.5 -27.34 102.86
 90.00 22 39 12 3919.19 -8.90 156.19 237.72 63.01 23 44 31 3319.2 -12.45 149.31
 100.00 4 5 47 2863.59 -28.47 86.49 244.49 80.48 4 53 31 2263.6 -29.49 77.83
 100.00 23 35 12 3738.34 -6.67 141.70 236.52 60.79 24 37 31 3138.3 -10.52 135.02
 110.00 6 0 26 2504.89 -33.89 60.04 245.29 85.21 6 42 11 1904.9 -34.18 50.81
 110.00 0 0 59 3669.80 -2.03 133.64 233.65 55.87 1 2 9 3069.8 -6.49 127.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4845 TRA 1.9104 TC3-4.1394 BAU 1.2385 SGT 5565.9 SGR 420.8 SG3 148.6 ST 3108.7 SR 393.7 SS 698.8
 RDE .3238 RRA -.0856 RC3 .1057 FAU .02025 RRT .2107 RRF .1890 RTF .9259 CRT .9423 CRS -.8854 CST -.9895
 FDE .7490 FRA .9376 FC3 -.7834 BSP 17970 SGB 5581.8 R23 -.0074 R13 .9259 LSA 3206.2 MSA 164.8 SSA 18.0
 BDE 2.5055 BRA 1.9123 BC3 4.1408 FSP -.501 SG1 5566.6 SG2 411.3 THA .92 EL1 3130.8 EL2 130.8 ALF 6.82

LAUNCH DATE DEC 16 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 550.964

RL 147.22 LAL -.00 LOL 83.83 VL 26.350 GAL 4.76 AZL 86.69 MCA 276.60 SMA 119.72 ECC .24352 INC 3.3146 V1 30.262
 RP 108.68 LAP -3.29 LOP .44 VP 36.520 GAP 13.08 AZP 89.62 TAL 164.84 TAP 81.45 RCA 90.57 APO 148.87 V2 34.868
 RC 187.357 GL 17.99 GP -1.86 ZAL 61.52 ZAP 174.89 ETS 339.83 ZAE 130.52 ETE 181.82 ZAC 99.94 ETC 166.98 CLP-175.24

PLANETOCENTRIC CONIC

C3 24.165 VML 4.916 DLA 25.90 RAL 14.87 RAD 6568.0 VEL 12.064 PTH 2.16 VHP 8.480 OPA -2.57 RAP 6.82 ECC 1.3977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 19 3244.91 -25.45 113.87 248.54 77.14 3 20 24 2644.9 -26.97 105.54
 90.00 22 57 23 3919.37 -8.89 156.20 242.29 63.01 24 2 42 3319.4 -12.45 149.32
 100.00 4 14 16 2896.88 -28.07 88.88 249.16 79.28 5 2 33 2296.9 -29.26 80.28
 100.00 23 52 7 3742.63 -6.53 141.94 241.02 60.77 24 54 29 3142.6 -10.38 135.27
 110.00 6 10 23 2533.61 -33.70 62.26 250.13 83.91 6 52 36 1933.6 -34.18 53.05
 110.00 0 16 26 3678.67 -1.69 134.10 238.02 55.85 1 17 44 3078.7 -6.16 127.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5477 TRA 2.2002 TC3-3.8401 BAU 1.2409 SGT 5585.6 SGR 422.6 SG3 144.2 ST 3092.3 SR 401.5 SS 687.2
 RDE .3434 RRA -.0803 RC3 .0886 FAU .01873 RRT .2384 RRF .2169 RTF .9288 CRT .9356 CRS -.8788 CST -.9903
 FDE .7349 FRA .9813 FC3 -.6710 BSP 18096 SGB 5601.5 R23 -.0059 R13 .9288 LSA 3188.5 MSA 169.9 SSA 17.3
 BDE 2.5708 BRA 2.2017 BC3 3.8412 FSP -.488 SG1 5586.5 SG2 410.4 THA 1.04 EL1 3115.0 EL2 140.7 ALF 6.94

LAUNCH DATE DEC 16 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 556.306

RL 147.22 LAL -0.00 LOL 83.83 VL 26.307 GAL 5.45 AZL 86.71 HCA 279.78 SMA 119.47 ECC .24997 INC 3.2897 V1 30.262
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.498 GAP 13.53 AZP 89.44 TAL 163.12 TAP 82.90 RCA 89.61 APO 149.34 V2 34.878
 RC 189.297 GL 17.05 GP -1.81 ZAL 58.77 ZAP 175.63 ETS 336.81 ZAE 130.57 ETE 181.81 ZAC 102.25 ETC 167.06 CLP-176.02

PLANETOCENTRIC CONIC

C3 26.259 VHL 5.124 DLA 26.09 RAL 17.97 RAD 6568.1 VEL 12.151 PTH 2.18 VHP 8.752 DPA -1.54 RAP 8.98 ECC 1.4322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 32 3279.40 -24.90 116.25 253.12 76.07 3 29 11 2679.4 -26.58 107.99
 90.00 23 13 52 3925.86 -8.69 156.57 246.82 62.94 24 19 18 3325.9 -12.25 149.70
 100.00 4 23 30 2928.08 -27.66 91.11 253.83 78.18 5 12 18 2328.1 -29.01 82.56
 100.00 0 11 31 3752.41 -6.21 142.48 245.48 60.70 1 14 3 3152.4 -10.06 135.82
 110.00 6 20 43 2561.32 -33.48 64.39 254.97 82.66 7 3 24 1961.3 -34.13 55.21
 110.00 0 30 47 3691.93 -1.18 134.79 242.37 55.83 1 32 19 3091.9 -5.66 128.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6079 TRA 2.5065 TC3-3.5349 BAU 1.2412 SGT 5600.4 SGR 423.6 SG3 139.9 ST 3064.4 SR 407.8 SS 675.4
 RDE .3639 RRA -.0733 RC3 .0729 FAU .01726 RRT .2661 RRF .2451 RTF .9319 CRT .9287 CRS -.8722 CST -.9911
 FDE .7214 FRA 1.0257 FC3 -.5691 BSP 18211 SGB 5616.4 R23 -.0043 R13 .9318 LSA 3159.5 MSA 175.2 SSA 16.5
 BDE 2.6332 BRA 2.5075 BC3 3.5357 FSP -475 SGI 5601.6 SG2 408.3 THA 1.16 EL1 3087.8 EL2 150.1 ALF 7.06

LAUNCH DATE DEC 16 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 561.581

RL 147.22 LAL -0.00 LOL 83.83 VL 26.265 GAL 6.18 AZL 86.74 HCA 282.96 SMA 119.23 ECC .25703 INC 3.2643 V1 30.262
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.478 GAP 14.01 AZP 89.27 TAL 161.41 TAP 84.37 RCA 88.59 APO 149.88 V2 34.889
 RC 191.216 GL 16.11 GP -1.77 ZAL 56.12 ZAP 176.35 ETS 332.44 ZAE 130.61 ETE 181.80 ZAC 104.55 ETC 167.12 CLP-176.81

PLANETOCENTRIC CONIC

C3 28.701 VHL 5.357 DLA 26.21 RAL 20.96 RAD 6568.2 VEL 12.251 PTH 2.20 VHP 9.045 DPA -.51 RAP 11.14 ECC 1.4724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 46 3310.62 -24.38 118.39 257.71 75.13 3 38 57 2710.6 -26.18 110.19
 90.00 23 28 31 3938.89 -8.29 157.31 251.29 62.83 24 34 10 3338.9 -11.87 150.46
 100.00 4 33 27 2957.06 -27.23 93.16 258.49 77.18 5 22 44 2357.1 -28.73 84.67
 100.00 0 25 28 3767.69 -5.70 143.33 249.89 60.61 1 28 15 3167.7 -9.57 136.69
 110.00 6 31 23 2588.03 -33.23 66.44 259.80 81.48 7 14 31 1988.0 -34.05 57.29
 110.00 0 44 0 3709.48 -.51 135.71 246.67 55.82 1 45 50 3109.5 -4.99 129.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6663 TRA 2.8317 TC3-3.2275 BAU 1.2386 SGT 5611.2 SGR 423.7 SG3 135.7 ST 3027.8 SR 412.6 SS 663.7
 RDE .3852 RRA -.0644 RC3 .0586 FAU .01583 RRT .2938 RRF .2733 RTF .9350 CRT .9215 CRS -.8655 CST -.9918
 FDE .7085 FRA 1.0718 FC3 -.4776 BSP 18303 SGB 5627.1 R23 -.0029 R13 .9350 LSA 3121.8 MSA 180.5 SSA 15.8
 BDE 2.6940 BRA 2.8325 BC3 3.2281 FSP -462 SGI 5612.6 SG2 404.9 THA 1.28 EL1 3051.7 EL2 159.0 ALF 7.18

LAUNCH DATE DEC 16 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 566.780

RL 147.22 LAL -0.00 LOL 83.83 VL 26.223 GAL 6.96 AZL 86.76 HCA 286.14 SMA 119.00 ECC .26479 INC 3.2382 V1 30.262
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.459 GAP 14.53 AZP 89.10 TAL 159.73 TAP 85.87 RCA 87.49 APO 150.51 V2 34.900
 RC 193.113 GL 15.18 GP -1.73 ZAL 53.57 ZAP 177.04 ETS 325.79 ZAE 130.65 ETE 181.80 ZAC 106.86 ETC 167.15 CLP-177.60

PLANETOCENTRIC CONIC

C3 31.548 VHL 5.617 DLA 26.27 RAL 23.84 RAD 6568.3 VEL 12.366 PTH 2.23 VHP 9.362 DPA .52 RAP 13.30 ECC 1.5192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 3 3338.46 -23.88 120.28 262.29 74.31 3 49 41 2738.5 -25.80 112.14
 90.00 23 41 14 3958.47 -7.68 158.43 255.68 62.66 24 47 13 3358.5 -11.28 151.60
 100.00 4 44 2 2983.86 -26.82 95.04 263.14 76.27 5 33 46 2383.9 -28.44 86.61
 100.00 0 37 52 3788.31 -5.01 144.47 254.22 60.49 1 41 0 3188.3 -8.90 137.85
 110.00 6 42 19 2613.79 -32.95 68.40 264.60 80.35 7 25 53 2013.8 -33.93 59.30
 110.00 0 56 5 3731.14 .32 136.84 250.92 55.82 1 58 16 3131.1 -4.17 130.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7261 TRA 3.1796 TC3-2.9194 BAU 1.2315 SGT 5618.7 SGR 423.1 SG3 131.8 ST 2986.7 SR 415.8 SS 653.6
 RDE .4073 RRA -.0535 RC3 .0461 FAU .01439 RRT .3221 RRF .3024 RTF .9384 CRT .9141 CRS -.8591 CST -.9926
 FDE .6977 FRA 1.1205 FC3 -.3950 BSP 18309 SGB 5634.6 R23 -.0015 R13 .9384 LSA 3079.8 MSA 185.7 SSA 15.1
 BDE 2.7563 BRA 3.1801 BC3 2.9198 FSP -447 SGI 5620.4 SG2 400.4 THA 1.40 EL1 3010.8 EL2 167.3 ALF 7.28

LAUNCH DATE DEC 16 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 571.888

RL 147.22 LAL -0.00 LOL 83.83 VL 26.182 GAL 7.79 AZL 86.79 HCA 289.32 SMA 118.77 ECC .27332 INC 3.2112 V1 30.262
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.440 GAP 15.09 AZP 88.94 TAL 158.07 TAP 87.39 RCA 86.31 APO 151.23 V2 34.912
 RC 194.989 GL 14.25 GP -1.69 ZAL 51.13 ZAP 177.67 ETS 315.05 ZAE 130.67 ETE 181.80 ZAC 109.16 ETC 167.14 CLP-178.40

PLANETOCENTRIC CONIC

C3 34.866 VHL 5.905 DLA 26.26 RAL 26.61 RAD 6568.4 VEL 12.499 PTH 2.26 VHP 9.706 DPA 1.53 RAP 15.46 ECC 1.5738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 15 3363.01 -23.41 121.93 266.85 73.60 4 1 18 2763.0 -25.44 113.84
 90.00 23 52 4 3984.34 -6.87 159.89 259.97 62.46 24 58 28 3384.3 -10.50 153.10
 100.00 4 55 12 3008.57 -26.40 96.76 267.76 75.45 5 45 21 2408.6 -28.14 88.39
 100.00 0 48 44 3814.01 -4.14 145.89 258.48 60.37 1 52 18 3214.0 -8.06 139.29
 110.00 6 53 25 2638.67 -32.65 70.28 269.37 79.27 7 37 24 2038.7 -33.79 61.23
 110.00 1 7 0 3756.68 1.30 138.17 255.09 55.84 2 9 37 3156.7 -3.20 131.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7810 TRA 3.5454 TC3-2.6232 BAU 1.2229 SGT 5620.8 SGR 421.4 SG3 127.9 ST 2935.1 SR 417.3 SS 643.1
 RDE .4298 RRA -.0406 RC3 .0351 FAU .01306 RRT .3497 RRF .3306 RTF .9419 CRT .9064 CRS -.8525 CST -.9933
 FDE .6864 FRA 1.1698 FC3 -.3243 BSP 18379 SGB 5636.6 R23 -.0005 R13 .9419 LSA 3027.6 MSA 190.7 SSA 14.4
 BDE 2.8141 BRA 3.5456 BC3 2.6234 FSP -435 SGI 5622.8 SG2 394.7 THA 1.51 EL1 2959.5 EL2 174.8 ALF 7.37

LAUNCH DATE DEC 16 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 576.890

RL 147.22 LAL -1.00 LOL 83.83 VL 26.141 GAL 8.67 AZL 86.82 MCA 292.51 SMA 118.54 ECC .28271 INC 3.1831 V1 30.262
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.422 GAP 15.71 AZP 88.78 TAL 156.45 TAP 88.96 RCA 85.03 APO 152.06 V2 34.924
 RC 196.842 GL 13.33 GP -1.66 ZAL 48.81 ZAP 178.17 ETS 297.10 ZAE 130.68 ETE 181.80 ZAC 111.44 ETC 167.10 CLP -179.22

PLANETOCENTRIC CONIC

C3 38.739 VHL 6.224 DLA 26.19 RAL 29.24 RAD 6568.5 VEL 12.653 PTH 2.30 VHP 10.081 DPA 2.53 RAP 17.61 ECC 1.6375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 16 3384.57 -22.99 123.37 271.39 73.00 4 13 40 2784.6 -25.10 115.33
 90.00 0 5 0 4016.00 -5.87 161.68 264.15 62.25 1 11 56 3416.0 -9.54 154.93
 100.00 5 6 49 3031.41 -26.00 98.34 272.35 74.71 5 57 20 2431.4 -27.85 90.02
 100.00 0 58 8 3844.40 -3.12 147.57 262.63 60.26 2 2 12 3244.4 -7.05 140.99
 110.00 7 4 37 2662.77 -32.33 72.09 274.09 78.25 7 49 0 2062.0 -33.61 63.09
 110.00 1 16 48 3785.80 2.41 139.69 259.19 55.89 2 19 54 3185.8 -2.08 133.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8352 TRA 3.9344 TC3-2.3369 BAU 1.2104 SGT 5618.3 SGR 418.9 SG3 124.2 ST 2878.5 SR 416.9 SS 633.6
 RDE .4528 RRA -.0257 RC3 .0258 FAU .01176 RRT .3773 RRF .3588 RTF .9456 CRT .8985 CRS -.8460 CST -.9939
 FDE .6765 FRA 1.2217 FC3 -.2628 BSP 18449 SGB 5633.9 R23 .0003 R13 .9456 LSA 2970.3 MSA 195.1 SSA 13.8
 BDE 2.8711 BRA 3.9344 BC3 2.3371 FSP -423 SGI 5620.5 SG2 387.8 THA 1.62 EL1 2902.8 EL2 181.5 ALF 7.44

LAUNCH DATE DEC 16 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 581.764

RL 147.22 LAL -1.00 LOL 83.83 VL 26.101 GAL 9.62 AZL 86.85 MCA 295.70 SMA 118.32 ECC .29308 INC 3.1537 V1 30.262
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.406 GAP 16.38 AZP 88.63 TAL 154.87 TAP 90.56 RCA 83.65 APO 153.00 V2 34.936
 RC 198.673 GL 12.43 GP -1.62 ZAL 46.61 ZAP 178.37 ETS 270.00 ZAE 130.68 ETE 181.80 ZAC 113.71 ETC 167.02 CLP 179.95

PLANETOCENTRIC CONIC

C3 43.267 VHL 6.578 DLA 26.07 RAL 31.74 RAD 6568.6 VEL 12.831 PTH 2.34 VHP 10.491 DPA 3.52 RAP 19.75 ECC 1.7121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 52 3403.59 -22.61 124.63 275.89 72.48 4 26 35 2803.6 -24.79 116.64
 90.00 0 12 20 4052.79 -4.70 163.75 268.21 62.04 1 19 53 3452.8 -8.40 157.03
 100.00 5 18 44 3052.60 -25.62 99.79 276.88 74.04 6 9 37 2452.6 -27.56 91.53
 100.00 1 6 9 3879.01 -1.95 149.47 266.69 60.17 2 10 48 3279.0 -5.90 142.92
 110.00 7 15 51 2686.19 -31.99 73.83 278.74 77.27 8 0 37 2086.2 -33.41 64.89
 110.00 1 25 31 3818.19 3.64 141.38 263.21 55.99 2 29 10 3218.2 -.85 135.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8901 TRA 4.3389 TC3-2.0624 BAU 1.1930 SGT 5603.8 SGR 415.6 SG3 120.6 ST 2817.3 SR 414.8 SS 625.8
 RDE .4762 RRA -.0088 RC3 .0182 FAU .01049 RRT .4051 RRF .3866 RTF .9492 CRT .8907 CRS -.8395 CST -.9945
 FDE .6680 FRA 1.2768 FC3 -.2098 BSP 18494 SGB 5619.2 R23 .0003 R13 .9492 LSA 2908.8 MSA 198.8 SSA 13.2
 BDE 2.9290 BRA 4.3389 BC3 2.0625 FSP -412 SGI 5606.3 SG2 379.8 THA 1.73 EL1 2841.5 EL2 186.9 ALF 7.50

LAUNCH DATE DEC 16 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 586.486

RL 147.22 LAL -1.00 LOL 83.83 VL 26.062 GAL 10.64 AZL 86.88 MCA 298.89 SMA 118.11 ECC .30456 INC 3.1227 V1 30.262
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.390 GAP 17.12 AZP 88.49 TAL 153.33 TAP 92.22 RCA 82.14 APO 154.08 V2 34.948
 RC 200.481 GL 11.55 GP -1.60 ZAL 44.53 ZAP 178.17 ETS 242.64 ZAE 130.64 ETE 181.80 ZAC 115.96 ETC 166.91 CLP 179.10

PLANETOCENTRIC CONIC

C3 48.578 VHL 6.970 DLA 25.91 RAL 34.10 RAD 6568.8 VEL 13.036 PTH 2.38 VHP 10.941 DPA 4.49 RAP 21.88 ECC 1.7995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 52 3420.55 -22.26 125.75 280.34 72.03 4 39 52 2820.5 -24.51 117.80
 90.00 0 18 10 4093.95 -3.38 166.06 272.15 61.87 1 26 24 3494.0 -7.12 159.37
 100.00 5 30 51 3072.40 -25.24 101.14 281.35 73.43 6 22 4 2472.4 -27.27 92.93
 100.00 1 12 52 3917.33 -1.65 151.57 270.63 60.11 2 18 9 3317.3 -4.62 145.04
 110.00 7 27 0 2709.00 -31.64 75.51 283.32 76.33 8 12 9 2109.0 -33.19 66.63
 110.00 1 33 12 3853.50 4.99 143.24 267.13 56.14 2 37 26 3253.5 .50 137.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9516 TRA 4.7970 TC3-1.7986 BAU 1.1681 SGT 5602.9 SGR 411.5 SG3 117.2 ST 2760.9 SR 411.0 SS 620.5
 RDE .5000 RRA .0111 RC3 .0123 FAU .00917 RRT .4332 RRF .4161 RTF .9535 CRT .8823 CRS -.8336 CST -.9953
 FDE .6623 FRA 1.3367 FC3 -.1634 BSP 18448 SGB 5618.0 R23 .0013 R13 .9535 LSA 2852.3 MSA 201.9 SSA 12.6
 BDE 2.9937 BRA 4.7970 BC3 1.7986 FSP -398 SGI 5605.7 SG2 370.7 THA 1.83 EL1 2784.8 EL2 191.8 ALF 7.52

LAUNCH DATE DEC 16 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 591.024

RL 147.22 LAL -1.00 LOL 83.83 VL 26.024 GAL 11.74 AZL 86.91 MCA 302.08 SMA 117.90 ECC .31729 INC 3.0897 V1 30.262
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.375 GAP 17.93 AZP 88.36 TAL 151.86 TAP 93.94 RCA 80.49 APO 155.31 V2 34.961
 RC 202.264 GL 10.69 GP -1.57 ZAL 42.58 ZAP 177.63 ETS 223.59 ZAE 130.58 ETE 181.80 ZAC 118.19 ETC 166.76 CLP 178.23

PLANETOCENTRIC CONIC

C3 54.828 VHL 7.405 DLA 25.70 RAL 36.32 RAD 6569.0 VEL 13.274 PTH 2.43 VHP 11.438 DPA 5.44 RAP 24.00 ECC 1.9023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 4 3435.86 -21.93 126.75 284.71 71.62 4 53 20 2835.9 -24.24 118.84
 90.00 0 22 40 4138.77 -1.94 168.57 275.97 61.74 1 31 39 3538.8 -5.70 161.91
 100.00 5 43 2 3091.01 -24.87 102.40 285.74 72.86 6 34 33 2491.0 -26.98 94.24
 100.00 1 18 23 3958.85 .76 153.85 274.47 60.12 2 24 22 3358.9 -3.22 147.33
 110.00 7 38 1 2731.23 -31.27 77.14 287.80 75.43 8 23 32 2131.2 -32.95 68.32
 110.00 1 39 53 3891.39 6.42 145.23 270.96 56.35 2 44 44 3291.4 1.95 138.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.0111 TRA 5.2723 TC3-1.5542 BAU 1.1393 SGT 5587.8 SGR 406.5 SG3 113.9 ST 2697.8 SR 405.4 SS 616.0
 RDE .5238 RRA .0330 RC3 .0077 FAU .00793 RRT .4607 RRF .4443 RTF .9576 CRT .8740 CRS -.8276 CST -.9959
 FDE .6571 FRA 1.3996 FC3 -.1252 BSP 18488 SGB 5602.5 R23 .0014 R13 .9576 LSA 2789.3 MSA 203.9 SSA 12.0
 BDE 3.0563 BRA 5.2724 BC3 1.5543 FSP -388 SGI 5590.9 SG2 360.6 THA 1.93 EL1 2721.1 EL2 195.3 ALF 7.52

LAUNCH DATE DEC 16 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 10 1966

DISTANCE 595.338

HELIOCENTRIC CONIC
 RL 147.22 LAL -1.00 LOL 83.83 VL 25.987 GAL 12.93 AZL 86.95 HCA 305.27 SMA 117.70 ECC .33146 INC 3.0542 V1 30.262
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.360 GAP 18.83 AZP 88.24 TAL 150.46 TAP 95.73 RCA 78.69 APO 156.71 V2 34.974
 RC 204.023 GL 9.85 GP -1.55 ZAL 40.75 ZAP 176.90 ETS 212.12 ZAE 130.49 ETE 181.80 ZAC 120.38 ETC 166.57 CLP 177.32

PLANETOCENTRIC CONIC
 C3 82.215 VHL 7.888 DLA 25.45 RAL 38.39 RAD 6569.2 VEL 13.549 PTH 2.48 VHP 11.988 DPA 6.36 RAP 26.10 ECC 2.0239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 17 3449.89 -21.63 127.67 289.00 71.26 5 6 47 2849.9 -23.99 119.79
 90.00 0 25 58 4186.53 -1.40 171.23 279.66 61.69 1 35 45 3586.5 -4.18 164.59
 100.00 5 55 9 3108.59 -24.51 103.59 290.04 72.33 6 46 57 2508.6 -26.70 95.47
 100.00 1 22 47 4003.07 2.26 156.28 278.19 60.19 2 29 31 3403.1 -1.72 149.76
 110.00 7 48 50 2752.91 -30.89 78.71 292.17 74.57 8 34 43 2152.9 -32.69 69.96
 110.00 1 45 36 3931.51 7.93 147.36 274.69 56.64 2 51 7 3331.5 3.48 141.09

DIFFERENTIAL CORRECTIONS
 TDE 3.0759 TRA 5.7843 TC3 -1.3251 BAU 1.1022 SGT 5568.9 SGR 400.6 SG3 110.7 ST 2635.3 SR 398.1 SS 613.9
 RDE .5478 RRA .0574 RC3 .0044 FAU .00666 RRT .4883 RRF .4726 RTF .9617 CRT .8657 CRS -.8220 CST -.9965
 FDE .6542 FRA 1.4679 FC3 -.0927 BSP 18504 SGB 5583.3 R23 .0013 R13 .9617 LSA 2727.3 MSA 205.0 SSA 11.4
 BDE 3.1243 BRA 5.7846 BC3 1.3251 FSP -377 SG1 5572.3 SG2 349.4 THA 2.02 EL1 2657.8 EL2 197.6 ALF 7.49

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 12 1966

DISTANCE 599.379

HELIOCENTRIC CONIC
 RL 147.22 LAL -1.00 LOL 83.83 VL 25.951 GAL 14.24 AZL 86.98 HCA 308.47 SMA 117.51 ECC .34729 INC 3.0157 V1 30.262
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.347 GAP 19.84 AZP 88.12 TAL 149.14 TAP 97.61 RCA 76.70 APO 158.31 V2 34.987
 RC 205.757 GL 9.04 GP -1.52 ZAL 39.06 ZAP 176.06 ETS 205.02 ZAE 130.36 ETE 181.80 ZAC 122.54 ETC 166.35 CLP 176.37

PLANETOCENTRIC CONIC
 C3 70.995 VHL 8.426 DLA 25.16 RAL 40.31 RAD 6569.4 VEL 13.869 PTH 2.53 VHP 12.601 DPA 7.26 RAP 28.17 ECC 2.1684
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 22 3462.87 -21.34 128.51 293.18 70.93 5 20 5 2862.9 -23.75 120.67
 90.00 0 28 12 4236.63 1.22 174.02 283.22 61.71 1 38 49 3636.6 -2.57 167.40
 100.00 6 7 6 3125.23 -24.16 104.70 294.21 71.85 6 59 11 2525.2 -26.42 96.63
 100.00 1 26 10 4049.51 3.83 158.83 281.78 60.33 2 33 39 3449.5 -.15 152.30
 110.00 7 59 22 2773.98 -30.50 80.23 296.42 73.75 8 45 36 2174.0 -32.42 71.54
 110.00 1 50 23 3973.53 9.49 149.61 278.31 57.01 2 56 36 3373.5 5.08 143.30

DIFFERENTIAL CORRECTIONS
 TDE 3.1476 TRA 6.3375 TC3 -1.1118 BAU 1.0552 SGT 5546.2 SGR 394.0 SG3 107.7 ST 2573.8 SR 389.3 SS 614.5
 RDE .5718 RRA .0844 RC3 .0023 FAU .00535 RRT .5158 RRF .5009 RTF .9659 CRT .8577 CRS -.8169 CST -.9970
 FDE .6538 FRA 1.5427 FC3 -.0653 BSP 18498 SGB 5560.1 R23 .0011 R13 .9659 LSA 2666.8 MSA 204.8 SSA 10.8
 BDE 3.1991 BRA 6.3381 BC3 1.1118 FSP -367 SG1 5549.9 SG2 337.3 THA 2.11 EL1 2595.5 EL2 198.5 ALF 7.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 14 1966

DISTANCE 603.080

HELIOCENTRIC CONIC
 RL 147.22 LAL -1.00 LOL 83.83 VL 25.916 GAL 15.68 AZL 87.03 HCA 311.67 SMA 117.32 ECC .36502 INC 2.9738 V1 30.262
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.335 GAP 20.97 AZP 88.02 TAL 147.93 TAP 99.59 RCA 74.49 APO 160.14 V2 35.000
 RC 207.465 GL 8.24 GP -1.50 ZAL 37.51 ZAP 175.13 ETS 200.34 ZAE 130.17 ETE 181.80 ZAC 124.65 ETC 166.08 CLP 175.37

PLANETOCENTRIC CONIC
 C3 81.490 VHL 9.027 DLA 24.83 RAL 42.07 RAD 6569.6 VEL 14.242 PTH 2.59 VHP 13.287 DPA 8.13 RAP 30.21 ECC 2.3411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 13 3474.91 -21.07 129.29 297.23 70.63 5 33 8 2874.9 -23.52 121.48
 90.00 0 29 26 4288.54 2.89 176.92 286.65 61.82 1 40 55 3688.5 -.90 170.29
 100.00 6 18 48 3140.94 -23.83 105.75 298.26 71.40 7 11 9 2540.9 -26.15 97.71
 100.00 1 28 32 4097.73 5.45 161.49 285.24 60.56 2 36 50 3497.7 1.49 154.95
 110.00 8 9 35 2794.34 -30.10 81.68 300.52 72.98 8 56 9 2194.3 -32.13 73.06
 110.00 1 54 15 4017.09 11.10 151.96 281.81 57.46 3 1 12 3417.1 6.73 145.59

DIFFERENTIAL CORRECTIONS
 TDE 3.2313 TRA 6.9404 TC3 -.9132 BAU .9949 SGT 5521.4 SGR 386.7 SG3 104.8 ST 2515.8 SR 379.1 SS 618.5
 RDE .5960 RRA .1143 RC3 .0013 FAU .00394 RRT .5435 RRF .5296 RTF .9700 CRT .8502 CRS -.8125 CST -.9976
 FDE .6570 FRA 1.6257 FC3 -.0419 BSP 18401 SGB 5534.9 R23 .0007 R13 .9700 LSA 2610.4 MSA 203.4 SSA 10.3
 BDE 3.2858 BRA 6.9414 BC3 .9132 FSP -355 SG1 5525.4 SG2 324.4 THA 2.19 EL1 2536.5 EL2 197.9 ALF 7.35

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 16 1966

DISTANCE 606.357

HELIOCENTRIC CONIC
 RL 147.22 LAL -1.00 LOL 83.83 VL 25.883 GAL 17.26 AZL 87.07 HCA 314.87 SMA 117.14 ECC .38497 INC 2.9273 V1 30.262
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.324 GAP 22.24 AZP 87.93 TAL 146.84 TAP 101.71 RCA 72.04 APO 162.23 V2 35.014
 RC 209.146 GL 7.48 GP -1.48 ZAL 36.11 ZAP 174.12 ETS 197.06 ZAE 129.93 ETE 181.79 ZAC 126.70 ETC 165.78 CLP 174.31

PLANETOCENTRIC CONIC
 C3 94.126 VHL 9.702 DLA 24.48 RAL 43.67 RAD 6569.8 VEL 14.679 PTH 2.66 VHP 14.059 DPA 8.96 RAP 32.21 ECC 2.5491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 42 3485.97 -20.82 130.01 301.12 70.36 5 45 48 2886.0 -23.31 122.22
 90.00 0 29 43 4341.78 4.60 179.90 289.92 62.03 1 42 5 3741.8 .82 173.26
 100.00 6 30 9 3155.64 -23.50 106.72 302.14 70.98 7 22 45 2555.6 -25.88 98.73
 100.00 1 29 57 4147.35 7.10 164.25 288.56 60.89 2 39 4 3547.3 3.16 157.67
 110.00 8 19 24 2813.85 -29.70 83.06 304.44 72.25 9 6 18 2213.8 -31.84 74.51
 110.00 1 57 11 4061.89 12.73 154.41 285.19 58.00 3 4 53 3461.9 8.41 147.97

DIFFERENTIAL CORRECTIONS
 TDE 3.3218 TRA 7.5919 TC3 -.7332 BAU .9227 SGT 5490.1 SGR 378.4 SG3 102.1 ST 2456.5 SR 367.4 SS 624.8
 RDE .6202 RRA .1469 RC3 .0010 FAU .00248 RRT .5705 RRF .5576 RTF .9741 CRT .8430 CRS -.8085 CST -.9980
 FDE .6621 FRA 1.7165 FC3 -.0229 BSP 18400 SGB 5503.1 R23 .0001 R13 .9741 LSA 2553.3 MSA 200.7 SSA 9.7
 BDE 3.3792 BRA 7.5933 BC3 .7332 FSP -346 SG1 5494.4 SG2 310.6 THA 2.26 EL1 2476.1 EL2 196.0 ALF 7.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 16 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 609.100

RL 147.22 LAL -.00 LOL 83.83 VL 25.851 GAL 19.02 AZL 87.12 HCA 318.07 SMA 116.97 ECC .40750 INC 2.8754 V1 30.262
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.314 GAP 23.68 A7P 87.86 TAL 145.90 TAP 103.97 RCA 69.30 APO 164.63 V2 35.027
 RC 210.800 GL 6.73 GP -1.47 ZAL 34.86 ZAP 173.03 ETS 194.64 ZAE 129.61 ETE 181.79 ZAC 128.68 ETC 165.43 CLP 173.18

PLANETOCENTRIC CONIC

C3 109.459 VHL 10.462 DLA 24.09 RAL 45.10 RAD 6570.1 VEL 15.192 PTH 2.73 VHP 14.934 DPA 9.76 RAP 34.15 ECC 2.8014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 45 3495.94 -20.59 130.65 304.83 70.12 5 58 1 2895.9 -23.11 122.88
 90.00 0 29 3 4395.96 6.32 182.95 293.03 62.34 1 42 19 3796.0 2.57 176.28
 100.00 6 41 7 3169.15 -23.20 107.61 305.83 70.60 7 33 56 2569.2 -25.63 99.65
 100.00 1 30 23 4197.98 8.77 167.09 291.71 61.31 2 40 21 3598.0 4.87 160.47
 110.00 8 28 47 2832.28 -29.31 84.36 308.17 71.57 9 15 59 2232.3 -31.55 75.86
 110.00 1 59 12 4107.62 14.36 156.94 288.41 58.64 3 7 39 3507.6 10.11 150.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.4272 TRA 8.3046 TC3 -.5686 BAU .8321 SGT 5454.9 SGR 369.5 SG3 99.4 ST 2399.5 SR 354.4 SS 634.9
 ROE .6444 RRA .1824 RC3 .0014 FAU .00086 RRT .5973 RRF .5855 RTF .9779 CRT .8365 CRS -.8053 CST -.9984
 FDE .6711 FRA 1.8180 FC3 -.0068 BSP 18373 SGB 5467.4 R23 -.0005 R13 .9779 LSA 2499.5 MSA 196.8 SSA 9.2
 BDE 3.4873 BRA 8.3066 BC3 .5686 FSP -338 SG1 5459.4 SG2 296.1 THA 2.32 EL1 2417.9 EL2 192.7 ALF 7.09

LAUNCH DATE DEC 16 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 611.162

RL 147.22 LAL -.00 LOL 83.83 VL 25.821 GAL 21.00 AZL 87.18 HCA 321.28 SMA 116.81 ECC .43304 INC 2.8164 V1 30.262
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.306 GAP 25.33 A7P 87.80 TAL 145.15 TAP 106.43 RCA 66.23 APO 167.39 V2 35.040
 RC 212.427 GL 6.00 GP -1.45 ZAL 33.78 ZAP 171.83 ETS 192.79 ZAE 129.20 ETE 181.78 ZAC 130.57 ETC 165.06 CLP 171.96

PLANETOCENTRIC CONIC

C3 128.228 VHL 11.324 DLA 23.66 RAL 46.34 RAD 6570.4 VEL 15.798 PTH 2.80 VHP 15.931 DPA 10.51 RAP 36.02 ECC 3.1103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 18 3504.58 -20.39 131.20 308.31 69.91 6 9 43 2904.6 -22.94 123.46
 90.00 0 27 24 4450.76 8.04 186.06 295.96 62.76 1 41 35 3850.8 4.33 179.35
 100.00 6 51 35 3181.24 -22.93 108.40 309.30 70.27 7 44 36 2581.2 -25.41 100.48
 100.00 1 29 48 4249.33 10.43 169.99 294.69 61.83 2 40 37 3649.3 6.58 163.31
 110.00 8 37 40 2849.35 -28.94 85.55 311.65 70.96 9 25 10 2249.4 -31.26 77.11
 110.00 2 0 12 4153.99 15.99 159.55 291.47 59.38 3 9 26 3554.0 11.81 152.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.5515 TRA 9.0871 TC3 -.4192 BAU .7186 SGT 5415.8 SGR 359.8 SG3 97.0 ST 2344.8 SR 340.4 SS 649.4
 ROE .6688 RRA .2209 RC3 .0024 FAU-.00101 RRT .6239 RRF .6131 RTF .9816 CRT .8310 CRS -.8031 CST -.9987
 FDE .6847 FRA 1.9323 FC3 .0068 BSP 18318 SGB 5427.7 R23 -.0012 R13 .9816 LSA 2449.2 MSA 191.5 SSA 8.6
 BDE 3.6139 BRA 9.0898 BC3 .4192 FSP -329 SG1 5420.4 SG2 280.9 THA 2.38 EL1 2361.9 EL2 188.0 ALF 6.92

LAUNCH DATE DEC 16 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 612.347

RL 147.22 LAL -.00 LOL 83.83 VL 25.793 GAL 23.23 AZL 87.25 HCA 324.49 SMA 116.66 ECC .46210 INC 2.7485 V1 30.262
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.299 GAP 27.22 A7P 87.76 TAL 144.63 TAP 109.11 RCA 62.75 APO 170.57 V2 35.053
 RC 214.027 GL 5.30 GP -1.43 ZAL 32.90 ZAP 170.53 ETS 191.32 ZAE 128.68 ETE 181.77 ZAC 132.35 ETC 164.65 CLP 170.63

PLANETOCENTRIC CONIC

C3 151.428 VHL 12.306 DLA 23.20 RAL 47.38 RAD 6570.6 VEL 16.515 PTH 2.88 VHP 17.075 DPA 11.20 RAP 37.80 ECC 3.4921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 17 3511.55 -20.23 131.65 311.54 69.75 6 20 48 2911.5 -22.80 123.92
 90.00 0 24 42 4505.91 9.75 189.22 298.66 63.28 1 39 47 3905.9 6.08 182.45
 100.00 7 1 31 3191.56 -22.69 109.07 312.51 70.00 7 54 43 2591.6 -25.21 101.18
 100.00 1 28 8 4301.13 12.08 172.95 297.45 62.45 2 39 49 3701.1 8.30 166.21
 110.00 8 46 0 2864.71 -28.60 86.61 314.87 70.42 9 33 44 2264.7 -30.99 78.23
 110.00 2 0 9 4200.74 17.59 162.23 294.33 60.21 3 10 10 3600.7 13.49 155.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.7027 TRA 9.9536 TC3 -.2835 BAU .5739 SGT 5374.3 SGR 349.4 SG3 94.7 ST 2293.6 SR 325.5 SS 669.3
 ROE .6937 RRA .2625 RC3 .0038 FAU-.00324 RRT .6501 RRF .6405 RTF .9850 CRT .8268 CRS -.8022 CST -.9990
 FDE .7044 FRA 2.0626 FC3 .0185 BSP 18156 SGB 5385.6 R23 -.0019 R13 .9850 LSA 2404.3 MSA 184.8 SSA 8.1
 BDE 3.7671 BRA 9.9570 BC3 .2835 FSP -319 SG1 5379.1 SG2 265.3 THA 2.43 EL1 2309.5 EL2 181.8 ALF 6.73

LAUNCH DATE DEC 16 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 612.392

RL 147.22 LAL -.00 LOL 83.83 VL 25.768 GAL 25.77 AZL 87.33 HCA 327.70 SMA 116.53 ECC .49529 INC 2.6691 V1 30.262
 RP 108.07 LAP -1.43 LOP 51.55 VP 36.294 GAP 29.42 A7P 87.74 TAL 144.39 TAP 112.09 RCA 58.81 APO 174.25 V2 35.067
 RC 215.599 GL 4.61 GP -1.41 ZAL 32.23 ZAP 169.08 ETS 190.12 ZAE 128.03 ETE 181.75 ZAC 134.00 ETC 164.23 CLP 169.17

PLANETOCENTRIC CONIC

C3 180.408 VHL 13.432 DLA 22.70 RAL 48.19 RAD 6570.9 VEL 17.370 PTH 2.96 VHP 18.396 DPA 11.84 RAP 39.46 ECC 3.9691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 37 3516.39 -20.11 131.96 314.46 69.64 6 31 13 2916.4 -22.70 124.24
 90.00 0 20 48 4561.21 11.42 192.42 301.12 63.91 1 36 49 3961.2 7.82 185.59
 100.00 7 10 50 3199.68 -22.50 109.60 315.41 69.78 8 4 10 2599.7 -25.05 101.73
 100.00 1 25 16 4353.16 13.70 175.97 299.96 63.17 2 37 49 3753.2 9.99 169.14
 110.00 8 53 41 2877.94 -28.29 87.52 317.76 69.96 9 41 39 2277.9 -30.75 79.18
 110.00 1 58 55 4247.66 19.15 164.97 296.96 61.13 3 9 42 3647.7 15.16 158.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.8773 TRA10.9048 TC3 -.1637 BAU .3951 SGT 5324.7 SGR 338.2 SG3 92.5 ST 2241.4 SR 309.6 SS 694.2
 ROE .7190 RRA .3067 RC3 .0054 FAU-.00589 RRT .6752 RRF .6666 RTF .9880 CRT .8236 CRS -.8020 CST -.9992
 FDE .7294 FRA 2.2097 FC3 .0283 BSP 18098 SGB 5335.5 R23 -.0026 R13 .9880 LSA 2360.1 MSA 177.1 SSA 7.5
 BDE 3.9434 BRA10.9092 BC3 .1638 FSP -312 SG1 5329.7 SG2 249.2 THA 2.46 EL1 2256.0 EL2 174.5 ALF 6.53

LAUNCH DATE DEC 17 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 25 1966

HELIOCENTRIC CONIC

DISTANCE 196.123

RL 147.21 LAL -0.00 LOL 84.85 VL 28.209 GAL -10.98 AZL 86.64 MCA 89.26 SMA 131.75 ECC .22254 INC 3.3637 V1 30.264
 RP 107.67 LAP 3.36 LOP 174.10 VP 38.182 GAP -7.42 AZP 89.96 TAL 227.85 TAP 317.11 RCA 102.43 APO 161.07 V2 35.195
 RC 57.230 GL 15.55 GP 3.29 ZAL 149.45 ZAP 27.81 ETS 352.60 ZAE 152.69 ETE 346.27 ZAC 61.16 ETC 164.40 CLP -27.63

PLANETOCENTRIC CONIC

C3 36.761 VHL 6.063 DLA -6.36 RAL 290.79 RAD 6568.4 VEL 12.575 PTH 2.28 VHP 5.758 DPA -12.60 RAP 328.69 ECC 1.6050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 8 2166.61 -18.38 38.47 160.79 111.93 2 27 14 1566.6 -15.24 31.19
 90.00 12 13 53 5207.49 26.22 233.78 164.93 78.91 13 40 41 4607.5 24.43 225.57
 100.00 3 9 27 1913.96 -19.60 19.35 160.26 113.03 3 41 21 1314.0 -16.32 12.10
 100.00 13 38 15 4935.37 27.52 213.47 164.63 77.85 15 0 31 4335.4 25.57 205.21
 110.00 4 10 46 1721.96 -22.88 3.17 158.65 116.12 4 39 28 1122.0 -19.18 355.99
 110.00 14 53 25 4700.14 31.02 194.63 163.65 74.87 16 11 45 4100.1 28.63 186.25

DIFFERENTIAL CORRECTIONS

TDE -.1673 TRA -.3272 TC3 .3272 BAU .1637
 RDE -.4005 RRA .0689 RC3 -.0622 FAU .06562
 FDE .4822 FRA -.8915 FC3-1.5454 BSP 1250
 BDE .4340 BRA .3344 BC3 .3330 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 528.4 SGR 391.4 SG3 182.0
 RRT .0462 RRF -.1051 RTF -.4957
 SGB 657.6 R23 -.0546 R13 -.4995
 SG1 529.1 SG2 390.5 THA 4.31

ORBIT DETERMINATION ACCURACY

ST 184.0 SR 379.0 SS 261.1
 CRT .8315 CRS .8915 CST .5072
 LSA 471.4 MSA 151.3 SSA 23.6
 EL1 410.6 EL2 94.4 ALF 66.72

LAUNCH DATE DEC 17 1965

FLIGHT TIME 72.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 202.884

RL 147.21 LAL -0.00 LOL 84.85 VL 28.300 GAL -10.89 AZL 86.66 MCA 92.49 SMA 132.43 ECC .21845 INC 3.3355 V1 30.264
 RP 107.70 LAP 3.33 LOP 177.35 VP 38.241 GAP -6.63 AZP 90.15 TAL 228.99 TAP 321.49 RCA 103.50 APO 161.36 V2 35.186
 RC 59.152 GL 15.64 GP 3.53 ZAL 150.05 ZAP 31.58 ETS 353.05 ZAE 154.02 ETE 346.76 ZAC 60.59 ETC 164.46 CLP -31.40

PLANETOCENTRIC CONIC

C3 35.985 VHL 5.999 DLA -6.38 RAL 290.04 RAD 6568.4 VEL 12.544 PTH 2.27 VHP 5.381 DPA -12.54 RAP 328.10 ECC 1.5922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 16 2160.75 -18.23 38.10 159.69 112.05 2 24 17 1560.7 -15.08 30.84
 90.00 12 10 48 5202.56 26.16 233.43 163.79 78.75 13 37 31 4602.6 24.34 225.23
 100.00 3 6 35 1908.12 -19.45 18.99 159.15 113.16 3 38 23 1308.1 -16.15 11.75
 100.00 13 35 11 4930.42 27.45 213.12 163.48 77.68 14 57 21 4330.4 25.48 204.87
 110.00 4 7 53 1716.17 -22.70 2.82 157.54 116.27 4 36 29 1116.2 -18.99 355.65
 110.00 14 50 22 4695.13 30.93 194.27 162.50 74.67 16 8 37 4095.1 28.52 185.90

DIFFERENTIAL CORRECTIONS

TDE -.1614 TRA -.3293 TC3 .3210 BAU .1569
 RDE -.3966 RRA .0704 RC3 -.0571 FAU .07345
 FDE .5444 FRA-1.0333 FC3-1.7671 BSP 1191
 BDE .4282 BRA .3367 BC3 .3260 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 521.8 SGR 390.9 SG3 207.2
 RRT .0521 RRF -.1270 RTF -.4654
 SGB 651.9 R23 -.0721 R13 -.4712
 SG1 522.7 SG2 389.7 THA 5.04

ORBIT DETERMINATION ACCURACY

ST 181.4 SR 379.4 SS 280.2
 CRT .8201 CRS .8874 CST .4811
 LSA 479.1 MSA 158.9 SSA 23.6
 EL1 409.4 EL2 96.2 ALF 67.26

LAUNCH DATE DEC 17 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 209.612

RL 147.21 LAL -0.00 LOL 84.85 VL 28.377 GAL -10.81 AZL 86.69 MCA 95.73 SMA 133.01 ECC .21494 INC 3.3071 V1 30.264
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.288 GAP -5.87 AZP 90.33 TAL 229.97 TAP 325.70 RCA 104.42 APO 161.60 V2 35.176
 RC 61.127 GL 15.70 GP 3.80 ZAL 150.56 ZAP 35.56 ETS 353.45 ZAE 155.69 ETE 347.21 ZAC 59.80 ETC 164.51 CLP -35.38

PLANETOCENTRIC CONIC

C3 35.294 VHL 5.941 DLA -6.40 RAL 289.41 RAD 6568.4 VEL 12.517 PTH 2.27 VHP 5.038 DPA -12.52 RAP 327.28 ECC 1.5809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 55 2155.18 -18.08 37.76 158.73 112.17 2 21 50 1555.2 -14.92 30.51
 90.00 12 8 8 5198.33 26.10 233.14 162.80 78.61 13 34 46 4598.3 24.27 224.95
 100.00 3 4 13 1902.59 -19.30 18.65 158.19 113.28 3 35 56 1302.6 -15.98 11.42
 100.00 13 32 31 4926.16 27.39 212.81 162.50 77.53 14 54 37 4326.2 25.40 204.58
 110.00 4 5 30 1710.72 -22.54 2.48 156.59 116.41 4 34 1 1110.7 -18.81 355.33
 110.00 14 47 43 4690.80 30.85 193.96 161.51 74.50 16 5 54 4090.8 28.42 185.60

DIFFERENTIAL CORRECTIONS

TDE -.1534 TRA -.3366 TC3 .3069 BAU .1468
 RDE -.3925 RRA .0729 RC3 -.0505 FAU .08212
 FDE .6134 FRA-1.1884 FC3-2.0143 BSP 1104
 BDE .4214 BRA .3444 BC3 .3111 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 511.5 SGR 389.7 SG3 235.2
 RRT .0554 RRF -.1527 RTF -.4192
 SGB 643.1 R23 -.0978 R13 -.4277
 SG1 512.6 SG2 388.3 THA 5.69

ORBIT DETERMINATION ACCURACY

ST 177.8 SR 379.1 SS 299.9
 CRT .7996 CRS .8847 CST .4440
 LSA 486.8 MSA 166.7 SSA 23.5
 EL1 406.8 EL2 99.5 ALF 68.06

LAUNCH DATE DEC 17 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 216.307

RL 147.21 LAL -0.00 LOL 84.85 VL 28.440 GAL -10.74 AZL 86.72 HCA 98.96 SMA 133.49 ECC .21193 INC 3.2785 V1 30.264
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.326 GAP -5.15 AZP 90.51 TAL 230.80 TAP 329.76 RCA 105.20 APO 161.78 V2 35.166
 RC 63.151 GL 15.75 GP 4.09 ZAL 150.98 ZAP 39.77 ETS 353.79 ZAE 157.69 ETE 347.65 ZAC 58.78 ETC 164.55 CLP -39.59

PLANETOCENTRIC CONIC

C3 34.668 VHL 5.888 DLA -6.42 RAL 288.90 RAD 6568.4 VEL 12.492 PTH 2.26 VHP 4.726 DPA -12.55 RAP 326.24 ECC 1.5706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 3 2149.84 -17.95 37.42 157.91 112.28 2 19 53 1549.8 -14.77 30.19
 90.00 12 5 52 5194.64 26.05 232.88 161.96 78.49 13 32 27 4594.6 24.20 224.70
 100.00 3 2 20 1897.29 -19.16 18.32 157.37 113.40 3 33 58 1297.3 -15.83 11.10
 100.00 13 30 16 4922.42 27.33 212.55 161.65 77.40 14 52 18 4322.4 25.32 204.33
 110.00 4 3 36 1705.51 -22.38 2.16 155.76 116.54 4 32 1 1105.5 -18.64 355.02
 110.00 14 45 30 4686.97 30.78 193.68 160.66 74.35 16 3 37 4087.0 28.33 185.34

DIFFERENTIAL CORRECTIONS

TDE -.1419 TRA -.3490 TC3 .2855 BAU .1338
 RDE -.3879 RRA .0764 RC3 -.0422 FAU .09174
 FDE .6853 FRA-1.3586 FC3-2.2910 BSP 1012
 BDE .4131 BRA .3573 BC3 .2886 FSP -768

MID-COURSE EXECUTION ACCURACY

SGT 498.9 SGR 388.1 SG3 266.2
 RRT .0507 RRF -.1816 RTF -.3542
 SGB 632.0 R23 -.1364 R13 -.3656
 SG1 499.8 SG2 386.8 THA 5.64

ORBIT DETERMINATION ACCURACY

ST 172.2 SR 378.2 SS 319.1
 CRT .7644 CRS .8819 CST .3860
 LSA 493.4 MSA 174.6 SSA 23.4
 EL1 402.2 EL2 104.4 ALF 69.35

LAUNCH DATE DEC 17 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 222.966

RL 147.21 LAL -.00 LOL 84.85 VL 28.492 GAL -10.66 AZL 86.75 MCA 102.19 SMA 133.88 ECC .20931 INC 3.2493 V1 30.264
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.354 GAP -4.47 A7P 90.69 TAL 231.47 TAP 333.66 RCA 105.86 APO 161.91 V2 35.155
 RC 65.219 GL 15.77 GP 4.40 ZAL 151.32 ZAP 44.21 ETS 354.12 ZAE 160.03 ETE 348.08 ZAC 57.53 ETC 164.58 CLP -44.04

PLANETOCENTRIC CONIC

C3 34.089 VML 5.839 DLA -6.45 RAL 288.49 RAD 6568.3 VEL 12.468 PTH 2.26 VMP 4.446 DPA -12.62 RAP 324.96 ECC 1.5610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 38 2144.66 -17.81 37.10 157.21 112.38 2 18 23 1544.7 -14.62 29.88
 90.00 12 4 0 5191.31 26.01 232.64 161.25 78.38 13 30 32 4591.3 24.14 224.47
 100.00 3 0 55 1892.16 -19.02 18.00 156.67 113.51 3 32 27 1292.2 -15.68 10.80
 100.00 13 28 25 4919.04 27.28 212.31 160.94 77.29 14 50 24 4319.0 25.26 204.10
 110.00 4 2 8 1700.48 -22.23 1.85 155.07 116.66 4 30 28 1100.5 -18.47 354.73
 110.00 14 43 41 4683.48 30.72 193.43 159.94 74.21 16 1 45 4083.5 28.25 185.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1291 TRA -.3695 TC3 .2527 BAU .1161 SGT 486.1 SGR 386.2 SG3 299.3 ST 167.6 SR 376.6 SS 339.0
 RDE -.3830 RRA .0810 RC3 -.0324 FAU .10193 RRT .0386 RRF -.2161 RTF -.2575 CRT .7122 CRS .8815 CST .3115
 FDE .7650 FRA -1.5355 FC3 -2.5888 BSP 859 SGB 620.8 R23 -.1890 R13 -.2704 LSA 501.0 MSA 182.5 SSA 23.2
 BDE .4042 BRA .3783 BC3 .2547 FSP -875 SG1 486.7 SG2 385.4 THA 4.72 EL1 396.8 EL2 111.7 ALF 70.84

LAUNCH DATE DEC 17 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 229.590

RL 147.21 LAL -.00 LOL 84.85 VL 28.532 GAL -10.59 AZL 86.78 MCA 105.42 SMA 134.19 ECC .20703 INC 3.2194 V1 30.264
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.374 GAP -3.82 A7P 90.86 TAL 231.99 TAP 337.41 RCA 106.41 APO 161.98 V2 35.143
 RC 67.327 GL 15.78 GP 4.73 ZAL 151.58 ZAP 48.88 ETS 354.43 ZAE 162.69 ETE 348.51 ZAC 56.05 ETC 164.60 CLP -48.71

PLANETOCENTRIC CONIC

C3 33.540 VML 5.791 DLA -6.48 RAL 288.18 RAD 6568.3 VEL 12.446 PTH 2.25 VMP 4.199 DPA -12.74 RAP 323.45 ECC 1.5520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 39 2139.57 -17.68 36.79 156.62 112.48 2 17 18 1539.6 -14.48 29.57
 90.00 12 2 32 5188.21 25.96 232.43 160.65 78.28 13 29 0 4588.2 24.09 224.26
 100.00 2 59 54 1887.12 -18.88 17.69 156.09 113.62 3 31 21 1287.1 -15.53 10.50
 100.00 13 26 57 4915.90 27.24 212.09 160.34 77.18 14 48 53 4315.9 25.20 203.88
 110.00 4 1 5 1695.56 -22.08 1.54 154.48 116.79 4 29 21 1095.6 -18.31 354.44
 110.00 14 42 16 4680.23 30.66 193.19 159.33 74.09 16 0 16 4080.2 28.17 184.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1124 TRA -.3963 TC3 .2105 BAU .0948 SGT 476.9 SGR 384.1 SG3 334.8 ST 162.6 SR 374.4 SS 357.8
 RDE -.3776 RRA .0866 RC3 -.0208 FAU .11282 RRT .0089 RRF -.2544 RTF -.1293 CRT .6319 CRS .8810 CST .2045
 FDE .8447 FRA -1.7212 FC3 -2.9121 BSP 699 SGB 612.4 R23 -.2511 R13 -.1334 LSA 507.9 MSA 190.2 SSA 23.0
 BDE .3939 BRA .4056 BC3 .2115 FSP -996 SG1 477.0 SG2 384.1 THA 1.17 EL1 389.9 EL2 121.0 ALF 72.97

LAUNCH DATE DEC 17 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 236.177

RL 147.21 LAL -.00 LOL 84.85 VL 28.562 GAL -10.51 AZL 86.81 MCA 108.64 SMA 134.43 ECC .20503 INC 3.1886 V1 30.264
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.386 GAP -3.20 A7P 91.02 TAL 232.36 TAP 341.00 RCA 106.87 APO 161.99 V2 35.132
 RC 69.470 GL 15.78 GP 5.08 ZAL 151.77 ZAP 53.77 ETS 354.75 ZAE 165.65 ETE 348.98 ZAC 54.35 ETC 164.61 CLP -53.61

PLANETOCENTRIC CONIC

C3 33.012 VML 5.746 DLA -6.52 RAL 287.97 RAD 6568.3 VEL 12.425 PTH 2.25 VMP 3.982 DPA -12.89 RAP 321.71 ECC 1.5433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 3 2134.52 -17.55 36.48 156.14 112.59 2 16 38 1534.5 -14.34 29.27
 90.00 12 1 26 5185.25 25.92 232.22 160.15 78.18 13 27 51 4585.2 24.03 224.06
 100.00 2 59 18 1882.12 -18.74 17.30 155.60 113.72 3 30 40 1282.1 -15.38 10.20
 100.00 13 25 53 4912.88 27.19 211.88 159.84 77.08 14 47 45 4312.9 25.14 203.68
 110.00 4 0 26 1690.68 -21.93 1.24 154.00 116.90 4 28 37 1090.7 -18.14 354.16
 110.00 14 41 13 4677.09 30.60 192.97 158.83 73.97 15 59 10 4077.1 28.10 184.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0940 TRA -.4321 TC3 .1554 BAU .0687 SGT 478.3 SGR 382.3 SG3 370.9 ST 150.4 SR 371.7 SS 376.7
 RDE -.3716 RRA .0930 RC3 -.0075 FAU .12381 RRT -.0399 RRF -.2982 RTF .0367 CRT .5214 CRS .8829 CST .0732
 FDE .9287 FRA -1.9032 FC3 -3.2470 BSP 508 SGB 612.3 R23 .2937 R13 -.0573 LSA 516.0 MSA 197.5 SSA 22.7
 BDE .3833 BRA .4420 BC3 .1556 FSP -1115 SG1 478.9 SG2 382.4 THA 174.99 EL1 382.3 EL2 133.1 ALF 75.52

LAUNCH DATE DEC 17 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 242.728

RL 147.21 LAL -.00 LOL 84.85 VL 28.583 GAL -10.44 AZL 86.84 MCA 111.87 SMA 134.59 ECC .20325 INC 3.1566 V1 30.264
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.390 GAP -2.61 A7P 91.18 TAL 232.59 TAP 344.45 RCA 107.24 APO 161.95 V2 35.120
 RC 71.643 GL 15.76 GP 5.44 ZAL 151.88 ZAP 58.86 ETS 355.08 ZAE 168.89 ETE 349.55 ZAC 52.45 ETC 164.61 CLP -58.70

PLANETOCENTRIC CONIC

C3 32.492 VML 5.700 DLA -6.55 RAL 287.84 RAD 6568.3 VEL 12.404 PTH 2.24 VMP 3.797 DPA -13.07 RAP 319.77 ECC 1.5347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 50 2129.45 -17.42 36.16 155.75 112.69 2 16 20 1529.4 -14.19 28.97
 90.00 12 0 41 5182.34 25.88 232.02 159.75 78.09 13 27 4 4582.3 23.98 223.86
 100.00 2 59 3 1877.10 -18.61 17.07 155.22 113.83 3 30 21 1277.1 -15.23 9.91
 100.00 13 25 9 4909.91 27.15 211.67 159.44 76.98 14 46 59 4309.9 25.08 203.48
 110.00 4 0 10 1685.78 -21.78 .94 153.61 117.02 4 28 16 1085.8 -17.98 353.87
 110.00 14 40 32 4674.00 30.54 192.75 158.43 73.85 15 58 26 4074.0 28.03 184.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0727 TRA -.4756 TC3 .0883 BAU .0385 SGT 497.0 SGR 380.8 SG3 407.0 ST 161.8 SR 368.3 SS 394.1
 RDE -.3651 RRA .1002 RC3 .0075 FAU .13469 RRT -.1115 RRF -.3459 RTF .2243 CRT .3764 CRS .8856 CST -.0846
 FDE 1.0101 FRA -2.0773 FC3 -3.5887 BSP 411 SGB 626.2 R23 .2864 R13 -.2694 LSA 524.3 MSA 204.3 SSA 22.5
 BDE .3723 BRA .4861 BC3 .0886 FSP -1235 SG1 501.2 SG2 375.3 THA 168.76 EL1 374.2 EL2 147.6 ALF 78.85

LAUNCH DATE DEC 17 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 249.242

RL 147.21 LAL -0.00 LOL 84.85 VL 28.596 GAL -10.35 AZL 86.88 MCA 115.09 SMA 134.69 ECC .20165 INC 3.1232 V1 30.264
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.388 GAP -2.04 AZP 91.33 TAL 232.68 TAP 347.77 RCA 107.53 APO 161.85 V2 35.108
 RC 73.845 GL 15.73 GP 5.82 ZAL 151.93 ZAP 64.10 ETS 355.44 ZAE 172.37 ETE 350.39 ZAC 50.40 ETC 164.61 CLP -63.95

PLANETOCENTRIC CONIC

C3 31.975 VHL 5.655 DLA -6.59 RAL 287.81 RAD 6568.3 VEL 12.383 PTH 2.24 VMP 3.642 DPA -13.25 RAP 317.67 ECC 1.5262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 58 2124.29 -17.28 35.84 155.45 112.79 2 16 23 1524.3 -14.04 28.66
 90.00 12 0 17 5179.42 25.84 231.81 159.43 78.00 13 26 36 4579.4 23.93 223.67
 100.00 2 59 11 1872.00 -18.46 16.76 154.91 113.93 3 30 23 1272.0 -15.08 9.60
 100.00 13 24 46 4906.94 27.10 211.46 159.12 76.88 14 46 33 4306.9 25.02 203.27
 110.00 4 0 15 1680.80 -21.62 .64 153.30 117.14 4 28 15 1080.8 -17.81 353.58
 110.00 14 40 11 4670.91 30.48 192.53 158.11 73.73 15 58 2 4070.9 27.95 184.24

DIFFERENTIAL CORRECTIONS

TOE -.0481 TRA -.5260 TC3 .0103 BAU .0113
 ROE -.3578 RRA .1080 RC3 .0243 FAU .14525
 FDE 1.0800 FRA-2.2406 FC3-3.9326 BSP 554
 BOE .3610 BRA .5370 BC3 .0263 FSP -1361

MID-COURSE EXECUTION ACCURACY

SGT 538.9 SGR 379.9 SG3 442.3
 RRT -.2009 RRF -.3963 RTF .4065
 SGB 659.3 R23 .2464 R13 -.4557
 SG1 548.8 SG2 365.4 THA 165.30

ORBIT DETERMINATION ACCURACY

ST 168.2 SR 364.0 SS 408.5
 CRT .2017 CRS .8876 CST -.2610
 LSA 531.9 MSA 210.4 SSA 22.2
 EL1 366.0 EL2 163.8 ALF 83.34

LAUNCH DATE DEC 17 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 255.721

RL 147.21 LAL -0.00 LOL 84.85 VL 28.601 GAL -10.27 AZL 86.91 MCA 118.31 SMA 134.73 ECC .20020 INC 3.0880 V1 30.264
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.381 GAP -1.51 AZP 91.47 TAL 232.65 TAP 350.95 RCA 107.76 APO 161.70 V2 35.095
 RC 76.070 GL 15.68 GP 6.20 ZAL 151.91 ZAP 69.45 ETS 355.84 ZAE 176.02 ETE 352.35 ZAC 48.23 ETC 164.62 CLP -69.32

PLANETOCENTRIC CONIC

C3 31.454 VHL 5.608 DLA -6.62 RAL 287.86 RAD 6568.3 VEL 12.362 PTH 2.23 VMP 3.517 DPA -13.44 RAP 315.45 ECC 1.5176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 27 2118.98 -17.14 35.32 155.22 112.89 2 16 46 1519.0 -13.89 28.35
 90.00 12 0 12 5176.45 25.80 231.61 159.19 77.90 13 26 28 4576.5 23.87 223.47
 100.00 2 59 38 1866.75 -18.32 16.43 154.68 114.04 3 30 45 1266.8 -14.92 9.29
 100.00 13 24 42 4903.91 27.05 211.25 158.88 76.77 14 46 25 4303.9 24.96 203.07
 110.00 4 0 40 1675.68 -21.46 .33 153.08 117.27 4 28 35 1075.7 -17.64 353.29
 110.00 14 40 9 4667.75 30.42 192.30 157.86 73.61 15 57 57 4067.7 27.88 184.03

DIFFERENTIAL CORRECTIONS

TOE -.0222 TRA -.5841 TC3 -.0808 BAU .0384
 ROE -.3498 RRA .1161 RC3 .0423 FAU .15456
 FDE 1.1450 FRA-2.3752 FC3-4.2540 BSP 884
 BOE .3505 BRA .5955 BC3 .0912 FSP -1469

MID-COURSE EXECUTION ACCURACY

SGT 607.9 SGR 379.8 SG3 474.1
 RRT -.2941 RRF -.4493 RTF .5616
 SGB 716.8 R23 .2060 R13 -.6011
 SG1 623.3 SG2 354.1 THA 164.46

ORBIT DETERMINATION ACCURACY

ST 181.7 SR 359.2 SS 421.7
 CRT .0253 CRS .8917 CST -.4202
 LSA 541.2 MSA 215.7 SSA 21.9
 EL1 359.2 EL2 181.6 ALF 89.02

LAUNCH DATE DEC 17 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 262.164

RL 147.21 LAL -0.00 LOL 84.85 VL 28.599 GAL -10.18 AZL 86.95 MCA 121.52 SMA 134.71 ECC .19887 INC 3.0506 V1 30.264
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.367 GAP -0.99 AZP 91.60 TAL 232.49 TAP 354.01 RCA 107.92 APO 161.50 V2 35.082
 RC 78.316 GL 15.63 GP 6.59 ZAL 151.84 ZAP 74.85 ETS 356.27 ZAE 179.68 ETE 40.69 ZAC 46.01 ETC 164.63 CLP -74.74

PLANETOCENTRIC CONIC

C3 30.923 VHL 5.561 DLA -6.66 RAL 287.99 RAD 6568.2 VEL 12.341 PTH 2.23 VMP 3.421 DPA -13.61 RAP 313.16 ECC 1.5089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 16 2113.45 -16.99 35.18 155.06 113.00 2 17 29 1513.4 -13.73 28.02
 90.00 12 0 24 5173.44 25.75 231.40 159.02 77.80 13 26 37 4573.4 23.82 223.26
 100.00 3 0 26 1861.28 -18.17 16.10 154.52 114.15 3 31 27 1261.3 -14.75 8.97
 100.00 13 24 35 4900.84 27.00 211.03 158.70 76.67 14 46 36 4300.8 24.90 202.86
 110.00 4 1 24 1670.36 -21.30 .01 152.92 117.39 4 29 15 1070.4 -17.46 352.98
 110.00 14 40 25 4664.53 30.36 192.07 157.68 73.48 15 58 10 4064.5 27.80 183.81

DIFFERENTIAL CORRECTIONS

TOE .0058 TRA -.6475 TC3 -.1822 BAU .0795
 ROE -.3408 RRA .1243 RC3 .0619 FAU .16265
 FDE 1.1893 FRA-2.4842 FC3-4.5537 BSP 1297
 BOE .3409 BRA .6593 BC3 .1924 FSP -1575

MID-COURSE EXECUTION ACCURACY

SGT 701.6 SGR 380.4 SG3 502.3
 RRT -.3846 RRF -.5025 RTF .6778
 SGB 798.1 R23 .1729 R13 -.7058
 SG1 721.3 SG2 341.5 THA 164.72

ORBIT DETERMINATION ACCURACY

ST 201.7 SR 353.3 SS 430.6
 CRT -.1389 CRS .8948 CST -.5581
 LSA 549.5 MSA 220.0 SSA 21.6
 EL1 354.9 EL2 198.8 ALF 96.62

LAUNCH DATE DEC 17 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 268.572

RL 147.21 LAL -0.00 LOL 84.85 VL 28.590 GAL -10.08 AZL 86.99 MCA 124.74 SMA 134.65 ECC .19765 INC 3.0106 V1 30.264
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.349 GAP -.50 AZP 91.72 TAL 232.23 TAP 356.96 RCA 108.04 APO 161.26 V2 35.069
 RC 80.581 GL 15.56 GP 6.98 ZAL 151.71 ZAP 80.23 ETS 356.75 ZAE 176.37 ETE 165.10 ZAC 43.79 ETC 164.65 CLP -80.16

PLANETOCENTRIC CONIC

C3 30.380 VHL 5.512 DLA -6.71 RAL 288.19 RAD 6568.2 VEL 12.319 PTH 2.22 VMP 3.351 DPA -13.74 RAP 310.88 ECC 1.5000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 24 2107.61 -16.84 34.82 154.96 113.11 2 18 32 1507.6 -13.57 27.67
 90.00 12 0 52 5170.37 25.71 231.18 158.91 77.71 13 27 2 4570.4 23.76 223.05
 100.00 3 1 33 1855.51 -18.01 15.75 154.43 114.27 3 32 28 1255.5 -14.58 8.63
 100.00 13 25 24 4897.70 26.96 210.81 158.59 76.56 14 47 2 4297.7 24.84 202.65
 110.00 4 2 29 1664.74 -21.12 359.66 152.82 117.52 4 30 13 1064.7 -17.27 352.66
 110.00 14 40 58 4661.23 30.30 191.83 157.57 73.36 15 58 39 4061.2 27.72 183.59

DIFFERENTIAL CORRECTIONS

TOE .0341 TRA -.7160 TC3 -.2942 BAU .1241
 ROE -.3311 RRA .1321 RC3 .0822 FAU .16861
 FDE 1.2241 FRA-2.5492 FC3-4.8049 BSP 1770
 BOE .3329 BRA .7281 BC3 .3055 FSP -1648

MID-COURSE EXECUTION ACCURACY

SGT 817.3 SGR 381.8 SG3 524.1
 RRT -.4652 RRF -.5555 RTF .7589
 SGB 902.1 R23 .1509 R13 -.7781
 SG1 840.1 SG2 328.9 THA 165.46

ORBIT DETERMINATION ACCURACY

ST 227.8 SR 346.7 SS 437.7
 CRT -.2729 CRS .8998 CST -.6581
 LSA 559.8 MSA 223.3 SSA 21.3
 EL1 355.6 EL2 213.7 ALF 106.13

LAUNCH DATE DEC 17 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 28.576 GAL -9.98 AZL 87.03 HCA 127.95 SMA 134.54 ECC .19651 INC 2.9674 VI 30.264
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.327 GAP -.03 AZP 91.83 TAL 231.85 TAP 359.80 RCA 108.10 APO 160.98 V2 35.056
 RC 82.862 GL 15.47 GP 7.37 ZAL 151.53 ZAP 85.54 ETS 357.28 ZAE 172.56 ETE 167.26 ZAC 41.64 ETC 164.70 CLP -85.51

PLANETOCENTRIC CONIC
 C3 29.821 VHL 5.461 DLA -6.76 RAL 288.46 RAD 6568.2 VEL 12.296 PTH 2.21 VHP 3.307 DPA -13.83 RAP 308.67 ECC 1.4908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 52 2101.36 -16.67 34.44 154.92 113.23 2 19 54 1501.4 -13.38 27.30
 90.00 12 1 34 5167.31 25.67 230.97 158.86 77.61 13 27 41 4567.3 23.70 222.85
 100.00 3 3 0 1849.35 -17.83 15.37 154.39 114.39 3 33 49 1249.3 -14.39 8.27
 100.00 13 26 8 4894.55 26.91 210.59 158.54 76.46 14 47 42 4294.6 24.77 202.44
 110.00 4 3 52 1658.75 -20.93 359.30 152.78 117.66 4 31 31 1058.8 -17.06 352.31
 110.00 14 41 45 4657.91 30.23 191.60 157.51 73.23 15 59 23 4057.9 27.64 183.36

DIFFERENTIAL CORRECTIONS
 TOE .0627 TRA -.7870 TC3 -.4142 BAU .1702 SGT 948.9 SGR 383.9 SG3 541.2 ST 258.3 SR 338.7 S5 439.0
 RDE -.3200 RRA .1397 RC3 .1037 FAU .17305 RRT -.5383 RRF -.6063 RTF .8142 CRT -.3791 CRS .9026 CST -.7344
 FDE 1.2286 FRA -2.5863 FC3 -5.0239 BSP 2275 SGB 1023.6 R23 .1344 R13 -.8274 LSA 568.2 MSA 225.5 SSA 21.0
 BDE .3261 BRA .7993 BC3 .4270 FSP -1725 SG1 973.8 SG2 315.2 TMA 166.24 EL1 362.9 EL2 223.1 ALF 117.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 17 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 28.557 GAL -9.87 AZL 87.08 HCA 131.16 SMA 134.39 ECC .19544 INC 2.9203 VI 30.264
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.300 GAP .42 AZP 91.92 TAL 231.38 TAP 2.54 RCA 108.12 APO 160.65 V2 35.043
 RC 85.157 GL 15.37 GP 7.76 ZAL 151.30 ZAP 90.72 ETS 357.86 ZAE 168.83 ETE 167.97 ZAC 39.62 ETC 164.80 CLP -90.72

PLANETOCENTRIC CONIC
 C3 29.243 VHL 5.408 DLA -6.82 RAL 288.80 RAD 6568.2 VEL 12.273 PTH 2.21 VHP 3.285 DPA -13.85 RAP 306.58 ECC 1.4813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 42 2094.57 -16.49 34.02 154.94 113.35 2 21 36 1494.6 -13.19 26.90
 90.00 12 2 28 5164.29 25.62 230.76 158.86 77.51 13 28 32 4564.3 23.65 222.65
 100.00 3 4 47 1842.66 -17.64 14.96 154.40 114.53 3 35 30 1242.7 -14.19 7.88
 100.00 13 27 4 4891.44 26.86 210.37 158.54 76.35 14 48 35 4291.4 24.71 202.23
 110.00 4 5 35 1652.28 -20.73 358.91 152.80 117.81 4 33 8 1052.3 -16.84 351.94
 110.00 14 42 45 4654.59 30.17 191.36 157.51 73.10 16 0 19 4054.6 27.56 183.14

DIFFERENTIAL CORRECTIONS
 TOE .0900 TRA -.8597 TC3 -.5420 BAU .2175 SGT 1092.8 SGR 386.6 SG3 549.6 ST 291.8 SR 330.2 S5 440.1
 RDE -.3084 RRA .1461 RC3 .1253 FAU .17463 RRT -.6003 RRF -.6550 RTF .8509 CRT -.4578 CRS .9089 CST -.7813
 FDE 1.2306 FRA -2.5677 FC3 -5.1698 BSP 2807 SGB 1159.2 R23 .1273 R13 -.8604 LSA 579.6 MSA 226.7 SSA 20.6
 BDE .3213 BRA .8720 BC3 .5563 FSP -1748 SG1 1119.2 SG2 301.9 TMA 167.05 EL1 377.8 EL2 226.7 ALF 127.43

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 17 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 28.533 GAL -9.75 AZL 87.13 HCA 134.36 SMA 134.20 ECC .19443 INC 2.8683 VI 30.264
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.271 GAP .84 AZP 92.01 TAL 230.82 TAP 5.19 RCA 108.11 APO 160.30 V2 35.030
 RC 87.465 GL 15.24 GP 8.17 ZAL 151.02 ZAP 95.70 ETS 358.50 ZAE 165.24 ETE 168.29 ZAC 37.76 ETC 164.97 CLP -95.76

PLANETOCENTRIC CONIC
 C3 28.646 VHL 5.352 DLA -6.89 RAL 289.21 RAD 6568.2 VEL 12.248 PTH 2.20 VHP 3.284 DPA -13.80 RAP 304.67 ECC 1.4714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 53 2087.09 -16.28 33.57 155.00 113.49 2 23 40 1487.1 -12.97 26.46
 90.00 12 3 32 5161.47 25.58 230.56 158.92 77.42 13 29 33 4561.5 23.59 222.46
 100.00 3 6 56 1835.29 -17.44 14.52 154.46 114.67 3 37 32 1235.3 -13.96 7.45
 100.00 13 28 10 4888.50 26.81 210.17 158.60 76.25 14 49 38 4288.5 24.65 202.03
 110.00 4 7 40 1645.17 -20.50 358.49 152.86 117.97 4 35 5 1045.2 -16.60 351.53
 110.00 14 43 56 4651.38 30.10 191.13 157.57 72.98 16 1 27 4051.4 27.48 182.92

DIFFERENTIAL CORRECTIONS
 TOE .1154 TRA -.9320 TC3 -.6754 BAU .2648 SGT 1244.1 SGR 389.9 SG3 553.2 ST 326.6 SR 320.1 S5 435.6
 RDE -.2954 RRA .1521 RC3 .1480 FAU .17465 RRT -.6564 RRF -.7006 RTF .8761 CRT -.5168 CRS .9129 CST -.8161
 FDE 1.2038 FRA -2.5235 FC3 -5.2783 BSP 3355 SGB 1303.8 R23 .1231 R13 -.8832 LSA 589.1 MSA 226.8 SSA 20.3
 BDE .3172 BRA .9443 BC3 .6914 FSP -1772 SG1 1271.7 SG2 287.8 TMA 167.74 EL1 398.3 EL2 224.7 ALF 136.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 17 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 28.505 GAL -9.63 AZL 87.19 HCA 137.57 SMA 133.99 ECC .19348 INC 2.8104 VI 30.264
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.237 GAP 1.25 AZP 92.08 TAL 230.18 TAP 7.75 RCA 108.06 APO 159.91 V2 35.016
 RC 89.783 GL 15.09 GP 8.61 ZAL 150.70 ZAP 100.45 ETS 359.21 ZAE 161.81 ETE 168.40 ZAC 36.11 ETC 165.24 CLP -100.57

PLANETOCENTRIC CONIC
 C3 28.028 VHL 5.294 DLA -6.98 RAL 289.68 RAD 6568.1 VEL 12.223 PTH 2.20 VHP 3.302 DPA -13.66 RAP 302.97 ECC 1.4613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 30 2078.68 -16.06 33.06 155.11 113.64 2 26 8 1478.7 -12.72 25.96
 90.00 12 4 42 5158.97 25.54 230.39 159.03 77.34 13 30 41 4559.0 23.54 222.29
 100.00 3 9 30 1827.04 -17.20 14.02 154.57 114.83 3 39 57 1227.0 -13.71 6.96
 100.00 13 29 23 4885.85 26.76 209.98 158.71 76.17 14 50 49 4285.9 24.60 201.85
 110.00 4 10 7 1637.26 -20.25 358.01 152.97 118.15 4 37 24 1037.3 -16.33 351.08
 110.00 14 45 16 4648.40 30.04 190.92 157.68 72.87 16 2 44 4048.4 27.41 182.72

DIFFERENTIAL CORRECTIONS
 TOE .1385 TRA -1.0025 TC3 -.8131 BAU .3114 SGT 1399.5 SGR 393.7 SG3 549.9 ST 361.5 SR 309.2 S5 429.4
 RDE -.2817 RRA .1569 RC3 .1711 FAU .17251 RRT -.7053 RRF -.7432 RTF .8931 CRT -.5607 CRS .9185 CST -.8376
 FDE 1.1685 FRA -2.4403 FC3 -5.3286 BSP 3904 SGB 1453.8 R23 .1245 R13 -.8988 LSA 599.3 MSA 226.0 SSA 19.8
 BDE .3139 BRA 1.0147 BC3 .8309 FSP -1762 SG1 1427.9 SG2 273.6 TMA 168.34 EL1 422.2 EL2 219.3 ALF 142.81

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 17 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 300.126

RL 147.21 LAL -.00 LOL 84.85 VL 28.473 GAL -9.50 AZL 87.26 HCA 140.77 SMA 133.74 ECC .19258 INC 2.7449 V1 30.264
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.202 GAP 1.65 AZP 92.13 TAL 229.45 TAP 10.22 RCA 107.99 APO 159.50 V2 35.003
 RC 92.112 GL 14.89 GP 9.08 ZAL 150.34 ZAP 104.95 ETS 359.99 ZAE 158.58 ETE 168.35 ZAC 34.69 ETC 165.64 CLP-105.14

PLANETOCENTRIC CONIC

C3 27.387 VHL 5.233 OLA -7.10 RAL 290.22 RAD 6568.1 VEL 12.197 PTH 2.19 VHP 3.336 DPA -13.42 RAP 301.52 ECC 1.4507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 35 2069.07 -15.79 32.47 155.26 113.81 2 29 4 1469.1 -12.44 25.40
 90.00 12 5 56 5157.06 25.51 230.26 159.20 77.28 13 31 53 4557.1 23.51 222.16
 100.00 3 12 32 1817.63 -16.93 13.45 154.72 115.01 3 42 49 1217.6 -13.42 6.41
 100.00 13 30 40 4883.74 26.73 209.83 158.88 76.10 14 52 4 4283.7 24.55 201.71
 110.00 4 13 0 1628.28 -19.96 357.48 153.12 118.35 4 40 8 1028.3 -16.01 350.57
 110.00 14 46 41 4645.86 29.99 190.74 157.84 72.78 16 4 7 4045.9 27.34 182.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1583 TRA-1.0699 TC3 -.9548 BAU .3568 SGT 1556.3 SGR 398.5 SG3 542.5 ST 395.4 SR 297.1 SS 419.2
 RDE -.2669 RRA .1609 RC3 .1955 FAU .16907 RRT -.7494 RRF -.7829 RTF .9050 CRT -.5933 CRS .9231 CST -.8526
 FDE 1.1148 FRA-2.3356 FC3-5.3445 BSP 4454 SGB 1606.5 R23 .1289 R13 -.9096 LSA 608.1 MSA 224.2 SSA 19.4
 BOE .3103 BRA 1.0820 BC3 .9746 FSP -1747 SG1 1585.5 SG2 259.0 THA 168.84 EL1 447.1 EL2 211.5 ALF 148.02

LAUNCH DATE DEC 17 1965

FLIGHT TIME 104.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 306.347

RL 147.21 LAL -.00 LOL 84.85 VL 28.438 GAL -9.36 AZL 87.33 HCA 143.97 SMA 133.47 ECC .19172 INC 2.6699 V1 30.264
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.163 GAP 2.02 AZP 92.16 TAL 228.66 TAP 12.62 RCA 107.88 APO 159.06 V2 34.990
 RC 94.449 GL 14.65 GP 9.62 ZAL 149.95 ZAP 109.16 ETS .87 ZAE 155.57 ETE 168.15 ZAC 33.51 ETC 166.23 CLP-109.45

PLANETOCENTRIC CONIC

C3 26.722 VHL 5.169 OLA -7.26 RAL 290.83 RAD 6568.1 VEL 12.170 PTH 2.18 VHP 3.384 DPA -13.07 RAP 300.33 ECC 1.4398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 14 2057.86 -15.48 31.80 155.45 114.01 2 32 32 1457.9 -12.11 24.74
 90.00 12 7 6 5156.07 25.50 230.19 159.42 77.25 13 33 2 4556.1 23.49 222.09
 100.00 3 16 6 1806.68 -16.61 12.79 154.91 115.21 3 46 13 1206.7 -13.08 5.78
 100.00 13 31 55 4882.48 26.71 209.75 159.10 76.05 14 53 18 4282.5 24.53 201.63
 110.00 4 16 23 1617.91 -19.62 356.86 153.31 118.57 4 43 21 1017.9 -15.65 349.98
 110.00 14 48 7 4644.02 29.96 190.61 158.07 72.71 16 5 31 4044.0 27.30 182.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1736 TRA-1.1335 TC3-1.1004 BAU .4010 SGT 1713.3 SGR 404.5 SG3 531.2 ST 427.3 SR 283.8 SS 405.8
 RDE -.2512 RRA .1642 RC3 .2216 FAU .16446 RRT -.7886 RRF -.8198 RTF .9133 CRT -.6160 CRS .9272 CST -.8615
 FDE 1.0480 FRA-2.2123 FC3-5.3281 BSP 5007 SGB 1760.4 R23 .1374 R13 -.9173 LSA 615.1 MSA 221.6 SSA 18.9
 BOE .3053 BRA 1.1453 BC3 1.1225 FSP -1721 SG1 1743.3 SG2 244.5 THA 169.24 EL1 471.2 EL2 202.7 ALF 152.16

LAUNCH DATE DEC 17 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 312.541

RL 147.21 LAL -.00 LOL 84.85 VL 28.400 GAL -9.21 AZL 87.42 HCA 147.17 SMA 133.18 ECC .19091 INC 2.5824 V1 30.264
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.123 GAP 2.38 AZP 92.17 TAL 227.79 TAP 14.95 RCA 107.76 APO 158.61 V2 34.977
 RC 96.794 GL 14.33 GP 10.25 ZAL 149.52 ZAP 113.09 ETS 1.88 ZAE 152.76 ETE 167.80 ZAC 32.58 ETC 167.04 CLP-113.49

PLANETOCENTRIC CONIC

C3 26.032 VHL 5.102 OLA -7.48 RAL 291.50 RAD 6568.1 VEL 12.141 PTH 2.18 VHP 3.445 DPA -12.58 RAP 299.39 ECC 1.4284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 36 2044.49 -15.11 30.99 155.68 114.24 2 36 40 1444.5 -11.71 23.96
 90.00 12 8 7 5156.47 25.50 230.21 159.70 77.26 13 34 3 4556.5 23.50 222.12
 100.00 3 20 21 1793.66 -16.24 12.01 155.14 115.45 3 50 15 1193.7 -12.68 5.02
 100.00 13 33 3 4882.53 26.71 209.75 159.38 76.06 14 54 25 4282.5 24.53 201.63
 110.00 4 20 23 1605.66 -19.22 356.14 153.54 118.83 4 47 9 1005.7 -15.23 349.29
 110.00 14 49 30 4643.28 29.94 190.56 158.36 72.68 16 6 53 4043.3 27.28 182.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1850 TRA-1.1909 TC3-1.2485 BAU .4431 SGT 1867.0 SGR 412.1 SG3 515.7 ST 456.5 SR 270.0 SS 391.4
 RDE -.2350 RRA .1661 RC3 .2494 FAU .15853 RRT -.8225 RRF -.8536 RTF .9187 CRT -.6325 CRS .9330 CST -.8641
 FDE .9800 FRA-2.0651 FC3-5.2720 BSP 5529 SGB 1912.0 R23 .1516 R13 -.9223 LSA 621.5 MSA 218.9 SSA 18.3
 BOE .2991 BRA 1.2025 BC3 1.2732 FSP -1667 SG1 1898.0 SG2 230.6 THA 169.55 EL1 493.9 EL2 193.3 ALF 155.49

LAUNCH DATE DEC 17 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 318.709

RL 147.21 LAL -.00 LOL 84.85 VL 28.359 GAL -9.06 AZL 87.52 HCA 150.36 SMA 132.87 ECC .19014 INC 2.4786 V1 30.264
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.081 GAP 2.73 AZP 92.15 TAL 226.86 TAP 17.22 RCA 107.61 APO 158.14 V2 34.964
 RC 99.145 GL 13.93 GP 11.00 ZAL 149.08 ZAP 116.72 ETS 3.05 ZAE 150.16 ETE 167.26 ZAC 31.89 ETC 168.14 CLP-117.26

PLANETOCENTRIC CONIC

C3 25.314 VHL 5.031 OLA -7.78 RAL 292.25 RAD 6568.0 VEL 12.112 PTH 2.17 VHP 3.517 DPA -11.92 RAP 298.69 ECC 1.4166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 52 2028.14 -14.65 30.01 155.95 114.50 2 41 40 1428.1 -11.22 23.01
 90.00 12 8 47 5159.01 25.54 230.39 160.06 77.34 13 34 46 4559.0 23.55 222.29
 100.00 3 25 28 1777.80 -15.77 11.06 155.41 115.73 3 55 6 1177.8 -12.18 4.11
 100.00 13 33 52 4884.58 26.74 209.89 159.74 76.12 14 55 17 4284.6 24.57 201.77
 110.00 4 25 10 1590.88 -18.73 355.27 153.80 119.13 4 51 41 990.9 -14.71 348.46
 110.00 14 50 40 4644.26 29.96 190.63 158.72 72.72 16 8 4 4044.3 27.30 182.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1895 TRA-1.2432 TC3-1.4024 BAU .4840 SGT 2019.8 SGR 422.6 SG3 499.0 ST 481.8 SR 254.8 SS 372.2
 RDE -.2178 RRA .1677 RC3 .2810 FAU .15229 RRT -.8528 RRF -.8846 RTF .9226 CRT -.6409 CRS .9368 CST -.8639
 FDE .8954 FRA-1.9159 FC3-5.2082 BSP 6067 SGB 2063.6 R23 .1696 R13 -.9260 LSA 623.7 MSA 215.1 SSA 17.7
 BOE .2887 BRA 1.2545 BC3 1.4303 FSP -1621 SG1 2052.1 SG2 217.2 THA 169.77 EL1 513.1 EL2 183.6 ALF 158.37

LAUNCH DATE DEC 17 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 324.852

RL 147.21 LAL -0.00 LOL 84.85 VL 28.316 GAL -8.90 AZL 87.65 HCA 153.55 SMA 132.55 ECC .18942 INC 2.3522 V1 30.264
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.037 GAP 3.06 AZP 92.11 TAL 225.87 TAP 19.42 RCA 107.44 APO 157.66 V2 34.951
 RC 101.502 GL 13.39 GP 11.93 ZAL 148.61 ZAP 120.05 ETS 4.43 ZAE 147.74 ETE 166.51 ZAC 31.43 ETC 169.60 CLP-120.79

PLANETOCENTRIC CONIC

C3 24.566 VHL 4.956 DLA -8.19 RAL 293.07 RAD 6568.0 VEL 12.081 PTH 2.16 VHP 3.599 DPA -11.05 RAP 298.22 ECC 1.4043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 22 2007.57 -14.07 28.78 156.27 114.83 2 47 50 1407.6 -10.60 21.82
 90.00 12 8 52 5164.80 25.63 230.79 160.50 77.53 13 34 56 4564.8 23.65 222.68
 100.00 3 31 45 1757.92 -15.18 9.88 155.72 116.06 4 1 3 1157.9 -11.55 2.97
 100.00 13 34 10 4889.67 26.83 210.25 160.19 76.29 14 55 39 4289.7 24.68 202.11
 110.00 4 30 58 1572.51 -18.12 354.19 154.11 119.49 4 57 11 972.5 -14.06 347.44
 110.00 14 51 26 4647.85 30.03 190.88 159.19 72.85 16 8 54 4047.8 27.39 182.68

DIFFERENTIAL CORRECTIONS

TDE .1879 TRA-1.2870 TC3-1.5597 BAU .5227
 RDE -.2002 RRA .1681 RC3 .3164 FAU .14519
 FDE .8094 FRA-1.7513 FC3-5.1167 BSP 6565
 BDE .2745 BRA 1.2980 BC3 1.5915 FSP -1554

MID-COURSE EXECUTION ACCURACY

SGT 2167.3 SGR 436.4 SG3 479.4
 RRT -.8778 RRF -.9122 RTF .9247
 SGB 2210.8 R23 .1943 R13 -.9281
 SG1 2201.2 SG2 205.8 THA 169.89

ORBIT DETERMINATION ACCURACY

ST 502.7 SR 239.0 SS 351.2
 CRT -.6431 CRS .9416 CST -.8579
 LSA 622.9 MSA 211.5 SSA 17.0
 EL1 528.7 EL2 174.0 ALF 160.84

LAUNCH DATE DEC 17 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 330.971

RL 147.21 LAL -0.00 LOL 84.85 VL 28.271 GAL -8.73 AZL 87.81 HCA 156.74 SMA 132.21 ECC .18874 INC 2.1939 V1 30.264
 RP 108.46 LAP .87 LOP 241.60 VP 37.992 GAP 3.38 AZP 92.02 TAL 224.82 TAP 21.56 RCA 107.26 APO 157.17 V2 34.939
 RC 103.862 GL 12.67 GP 13.12 ZAL 148.15 ZAP 123.08 ETS 6.13 ZAE 145.47 ETE 165.47 ZAC 31.19 ETC 171.52 CLP-124.08

PLANETOCENTRIC CONIC

C3 23.782 VHL 4.877 DLA -8.77 RAL 293.99 RAD 6568.0 VEL 12.048 PTH 2.15 VHP 3.693 DPA -9.89 RAP 297.94 ECC 1.3914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 37 1980.82 -13.30 27.20 156.64 115.23 2 55 37 1380.8 -9.79 20.27
 90.00 12 7 55 5175.65 25.79 231.55 161.06 77.87 13 34 10 4575.6 23.86 223.41
 100.00 3 39 41 1732.17 -14.40 8.36 156.09 116.48 4 8 33 1132.2 -10.73 1.50
 100.00 13 33 31 4899.53 26.98 210.94 160.76 76.62 14 55 11 4299.5 24.87 202.77
 110.00 4 38 12 1548.93 -17.32 352.83 154.46 119.94 5 4 1 948.9 -13.21 346.13
 110.00 14 51 29 4655.53 30.19 191.43 159.78 73.14 16 9 5 4055.5 27.58 183.20

DIFFERENTIAL CORRECTIONS

TDE .1756 TRA-1.3233 TC3-1.7257 BAU .5605
 RDE -.1812 RRA .1682 RC3 .3592 FAU .13804
 FDE .7056 FRA-1.5887 FC3-5.0251 BSP 7077
 BDE .2523 BRA 1.3340 BC3 1.7627 FSP -1496

MID-COURSE EXECUTION ACCURACY

SGT 2313.1 SGR 456.1 SG3 459.4
 RRT -.8987 RRF -.9365 RTF .9262
 SGB 2357.7 R23 .2235 R13 -.9296
 SG1 2349.4 SG2 196.9 THA 169.88

ORBIT DETERMINATION ACCURACY

ST 517.5 SR 221.4 SS 323.8
 CRT -.6350 CRS .9435 CST -.8489
 LSA 615.5 MSA 206.4 SSA 16.3
 EL1 538.3 EL2 164.4 ALF 163.19

LAUNCH DATE DEC 17 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 337.067

RL 147.21 LAL -0.00 LOL 84.85 VL 28.224 GAL -8.56 AZL 88.01 HCA 159.93 SMA 131.86 ECC .18811 INC 1.9888 V1 30.264
 RP 108.50 LAP .68 LOP 244.79 VP 37.946 GAP 3.68 AZP 91.87 TAL 223.72 TAP 23.65 RCA 107.06 APO 156.67 V2 34.926
 RC 106.225 GL 11.66 GP 14.68 ZAL 147.69 ZAP 125.75 ETS 8.26 ZAE 143.28 ETE 164.06 ZAC 31.17 ETC 174.08 CLP-127.16

PLANETOCENTRIC CONIC

C3 22.957 VHL 4.791 DLA -9.62 RAL 295.01 RAD 6567.9 VEL 12.014 PTH 2.14 VHP 3.799 DPA -8.33 RAP 297.82 ECC 1.3778
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 28 1944.60 -12.24 25.06 157.08 115.74 3 5 53 1344.6 -8.67 18.20
 90.00 12 5 14 5194.63 26.05 232.88 161.80 78.49 13 31 48 4594.6 24.20 224.69
 100.00 3 50 5 1697.44 -13.34 6.33 156.52 117.00 4 18 22 1097.4 -9.61 359.52
 100.00 13 31 18 4917.02 27.25 212.17 161.51 77.22 14 53 15 4317.0 25.22 203.96
 110.00 4 47 34 1517.43 -16.25 351.02 154.87 120.50 5 12 51 917.4 -12.08 344.40
 110.00 14 50 18 4669.80 30.46 192.45 160.56 73.68 16 8 8 4069.8 27.93 184.17

DIFFERENTIAL CORRECTIONS

TDE .1510 TRA-1.3481 TC3-1.8996 BAU .5965
 RDE -.1610 RRA .1671 RC3 .4111 FAU .13026
 FDE .5922 FRA-1.4146 FC3-4.9120 BSP 7552
 BDE .2207 BRA 1.3585 BC3 1.9436 FSP -1419

MID-COURSE EXECUTION ACCURACY

SGT 2453.5 SGR 483.1 SG3 437.2
 RRT -.9140 RRF -.9567 RTF .9265
 SGB 2500.6 R23 .2580 R13 -.9302
 SG1 2493.2 SG2 192.9 THA 169.74

ORBIT DETERMINATION ACCURACY

ST 525.6 SR 202.3 SS 291.1
 CRT -.6137 CRS .9440 CST -.8327
 LSA 601.3 MSA 200.3 SSA 15.6
 EL1 541.4 EL2 155.0 ALF 165.49

LAUNCH DATE DEC 17 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 343.141

RL 147.21 LAL -0.00 LOL 84.85 VL 28.176 GAL -8.37 AZL 88.29 HCA 163.11 SMA 131.51 ECC .18753 INC 1.7100 V1 30.264
 RP 108.54 LAP .50 LOP 247.97 VP 37.898 GAP 3.98 AZP 91.64 TAL 222.57 TAP 25.69 RCA 106.85 APO 156.17 V2 34.914
 RC 108.588 GL 10.20 GP 16.82 ZAL 147.27 ZAP 128.01 ETS 11.04 ZAE 141.08 ETE 162.10 ZAC 31.40 ETC 177.52 CLP-130.04

PLANETOCENTRIC CONIC

C3 22.085 VHL 4.699 DLA -10.91 RAL 296.18 RAD 6567.9 VEL 11.978 PTH 2.13 VHP 3.925 DPA -6.17 RAP 297.80 ECC 1.3635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 35 1892.94 -10.69 22.06 157.64 116.38 3 20 7 1292.9 -7.06 15.26
 90.00 11 59 28 5227.48 26.48 235.19 162.80 79.57 13 26 35 4627.5 24.77 226.93
 100.00 4 4 28 1648.12 -11.80 3.48 157.07 117.67 4 31 56 1048.1 -8.00 356.75
 100.00 13 26 16 4947.53 27.69 214.33 162.53 78.27 14 48 44 4347.5 25.80 206.04
 110.00 5 0 20 1473.16 -14.70 348.52 155.38 121.21 5 24 53 873.2 -10.46 341.99
 110.00 14 46 53 4695.25 30.94 194.28 161.64 74.67 16 5 8 4095.3 28.52 185.91

DIFFERENTIAL CORRECTIONS

TDE .1049 TRA-1.3606 TC3-2.0877 BAU .6324
 RDE -.1375 RRA .1655 RC3 .4788 FAU .12219
 FDE .4498 FRA-1.2392 FC3-4.7900 BSP 8051
 BDE .1730 BRA 1.3707 BC3 2.1419 FSP -1349

MID-COURSE EXECUTION ACCURACY

SGT 2592.4 SGR 522.4 SG3 413.8
 RRT -.9243 RRF -.9730 RTF .9265
 SGB 2644.5 R23 .2926 R13 -.9307
 SG1 2637.3 SG2 196.0 THA 169.39

ORBIT DETERMINATION ACCURACY

ST 526.0 SR 179.1 SS 247.3
 CRT -.5676 CRS .9354 CST -.8133
 LSA 578.0 MSA 188.8 SSA 15.2
 EL1 536.5 EL2 144.6 ALF 168.19

LAUNCH DATE DEC 17 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 349.194

RL 147.21 LAL -.00 LOL 84.85 VL 28.126 GAL -0.18 AZL 88.69 MCA 166.30 SMA 131.14 ECC .18700 INC 1.3067 V1 30.264
 RP 108.58 LAP .31 LOP 251.15 VP 37.851 GAP 4.26 AZP 91.27 TAL 221.38 TAP 27.68 RCA 106.62 APO 155.67 V2 34.903
 RC 110.951 GL 7.93 GP 19.91 ZAL 146.89 ZAP 129.68 ETS 14.84 ZAE 138.68 ETE 159.34 ZAC 31.97 ETC 182.32 CLP-132.77

PLANETOCENTRIC CONIC

C3 21.163 VHL 4.600 DLA -12.95 RAL 297.58 RAD 6567.9 VEL 11.939 PTH 2.12 VHP 4.083 DPA -3.05 RAP 297.77 ECC 1.3483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 23 1813.64 -0.26 17.50 158.47 117.18 3 41 37 1213.6 -4.55 10.79
 90.00 11 47 48 5286.20 27.13 239.36 164.30 81.57 13 15 54 4686.2 25.69 230.99
 100.00 4 26 1 1572.86 -9.38 359.20 157.87 118.51 4 52 14 972.9 -5.50 352.56
 100.00 13 15 52 5002.21 28.39 218.24 164.07 80.22 14 39 14 4402.2 26.75 209.83
 110.00 5 19 8 1406.48 -12.31 344.83 156.13 122.14 5 42 35 806.5 -7.98 338.41
 110.00 14 39 13 4741.35 31.72 197.64 163.28 76.53 15 58 15 4141.4 29.54 189.11

DIFFERENTIAL CORRECTIONS

TDE .0257 TRA-1.3530 TC3-2.2909 BAU .6679
 RDE -.1081 RRA .1616 RC3 .5694 FAU .11293
 FDE .2734 FRA-1.0448 FC3-4.6199 BSP .8529
 BDE .1111 BRA 1.3626 BC3 2.3606 FSP -1257

MID-COURSE EXECUTION ACCURACY

SGT 2726.5 SGR 579.0 SG3 386.1
 RRT -.9284 RRF -.9850 RTF .9258
 SGB 2787.3 R23 .3238 R13 -.9308
 SG1 2779.3 SG2 211.0 TMA 168.78

ORBIT DETERMINATION ACCURACY

ST 523.6 SR 149.0 SS 190.8
 CRT -.4799 CRS .9012 CST -.8007
 LSA 552.4 MSA 165.3 SSA 15.5
 EL1 528.7 EL2 129.5 ALF 171.72

LAUNCH DATE DEC 17 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 355.227

RL 147.21 LAL -.00 LOL 84.85 VL 28.075 GAL -7.98 AZL 89.33 MCA 169.48 SMA 130.77 ECC .18652 INC .6643 V1 30.264
 RP 108.61 LAP .12 LOP 254.32 VP 37.802 GAP 4.54 AZP 90.65 TAL 220.14 TAP 29.62 RCA 106.38 APO 155.16 V2 34.892
 RC 113.313 GL 4.12 GP 24.68 ZAL 146.48 ZAP 130.33 ETS 20.26 ZAE 135.63 ETE 155.33 ZAC 33.17 ETC 189.34 CLP-135.42

PLANETOCENTRIC CONIC

C3 20.229 VHL 4.498 DLA -16.50 RAL 299.39 RAD 6567.8 VEL 11.900 PTH 2.11 VHP 4.312 DPA 1.74 RAP 297.54 ECC 1.3329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 50 1676.81 -3.93 9.78 160.06 118.07 4 18 47 1076.8 -.15 3.14
 90.00 11 22 47 5401.42 28.01 247.67 166.82 85.64 12 52 49 4801.4 27.11 239.12
 100.00 5 2 52 1444.36 -5.13 352.02 159.40 119.49 5 26 57 844.4 -1.17 345.48
 100.00 12 53 26 5109.10 29.38 226.03 166.68 84.21 14 18 35 4509.1 28.26 217.41
 110.00 5 50 32 1295.04 -8.21 338.81 157.51 123.30 6 12 7 695.0 -3.77 332.53
 110.00 14 22 16 4831.18 32.95 204.36 166.12 80.32 15 42 47 4231.2 31.26 195.54

DIFFERENTIAL CORRECTIONS

TDE -.1185 TRA-1.3138 TC3-2.5096 BAU .7045
 RDE -.0622 RRA .1536 RC3 .6987 FAU .10165
 FDE .0264 FRA -.8270 FC3-4.3501 BSP .9019
 BDE .1338 BRA 1.3227 BC3 2.6050 FSP -1148

MID-COURSE EXECUTION ACCURACY

SGT 2857.6 SGR 665.6 SG3 351.2
 RRT -.9271 RRF -.9930 RTF .9252
 SGB 2934.0 R23 .3440 R13 -.9316
 SG1 2923.9 SG2 243.9 TMA 167.73

ORBIT DETERMINATION ACCURACY

ST 549.1 SR 101.9 SS 130.9
 CRT -.3822 CRS .6997 CST -.9091
 LSA 563.5 MSA 105.6 SSA 19.1
 EL1 550.6 EL2 93.9 ALF 175.82

LAUNCH DATE DEC 17 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 361.239

RL 147.21 LAL -.00 LOL 84.85 VL 28.023 GAL -7.78 AZL 90.52 MCA 172.65 SMA 130.40 ECC .18610 INC .5254 V1 30.264
 RP 108.64 LAP -.07 LOP 257.50 VP 37.754 GAP 4.80 AZP 89.48 TAL 218.87 TAP 31.51 RCA 106.13 APO 154.66 V2 34.881
 RC 115.673 GL -3.27 GP 32.80 ZAL 145.40 ZAP 128.80 ETS 28.33 ZAE 130.76 ETE 149.43 ZAC 35.97 ETC 200.10 CLP-138.20

PLANETOCENTRIC CONIC

C3 19.577 VHL 4.425 DLA -23.50 RAL 302.21 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 4.736 DPA 9.82 RAP 296.62 ECC 1.3222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 37 1369.13 5.96 352.57 164.83 117.73 5 46 26 769.1 9.62 345.81
 90.00 10 12 30 5693.50 27.67 268.97 171.72 96.27 11 47 23 5093.5 28.25 260.35
 100.00 6 26 24 1166.46 4.26 336.75 163.90 119.62 6 45 51 566.5 8.17 330.14
 100.00 11 52 24 5371.41 29.60 245.48 171.92 94.40 13 21 55 4771.4 29.89 236.69
 110.00 6 57 24 1069.26 .36 326.95 161.47 124.18 7 15 13 469.3 4.85 320.74
 110.00 13 37 53 5041.37 34.18 220.61 172.12 89.84 15 1 54 4441.4 33.78 211.39

DIFFERENTIAL CORRECTIONS

TDE -.4188 TRA-1.2109 TC3-2.7110 BAU .7459
 RDE .0334 RRA .1306 RC3 .8799 FAU .08520
 FDE -.3404 FRA -.5528 FC3-3.7679 BSP .9620
 BDE .4201 BRA 1.2179 BC3 2.8502 FSP -.980

MID-COURSE EXECUTION ACCURACY

SGT 2995.5 SGR 801.3 SG3 298.3
 RRT -.9195 RRF -.9973 RTF .9256
 SGB 3100.8 R23 .3490 R13 -.9344
 SG1 3085.6 SG2 306.1 TMA 166.04

ORBIT DETERMINATION ACCURACY

ST 749.9 SR 74.0 SS 208.3
 CRT -.9641 CRS .9117 CST -.9597
 LSA 779.5 MSA 56.8 SSA 19.1
 EL1 753.3 EL2 19.5 ALF 174.56

LAUNCH DATE DEC 17 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 367.225

RL 147.21 LAL -.00 LOL 84.85 VL 27.970 GAL -7.56 AZL 93.49 MCA 175.81 SMA 130.02 ECC .18572 INC 3.4891 V1 30.264
 RP 108.68 LAP -.25 LOP 260.67 VP 37.705 GAP 5.05 AZP 86.52 TAL 217.54 TAP 33.36 RCA 105.87 APO 154.17 V2 34.870
 RC 118.029 GL -21.09 GP 48.57 ZAL 138.80 ZAP 121.60 ETS 40.55 ZAE 120.40 ETE 141.71 ZAC 43.72 ETC 216.70 CLP-142.36

PLANETOCENTRIC CONIC

C3 22.009 VHL 4.691 DLA -40.39 RAL 309.25 RAD 6567.9 VEL 11.975 PTH 2.13 VHP 5.988 DPA 25.27 RAP 293.20 ECC 1.3622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.91 4 53 50 1546.28 26.50 17.82 183.35 121.67 5 19 36 946.3 30.48 10.34
 120.09 11 38 27 5572.48 26.51 259.58 183.36 121.66 13 11 19 4972.5 30.49 252.09
 59.91 4 53 50 1546.28 26.50 17.82 183.35 121.67 5 19 36 946.3 30.48 10.34
 120.09 11 38 27 5572.48 26.51 259.58 183.36 121.66 13 11 19 4972.5 30.49 252.09
 59.91 4 53 50 1546.28 26.50 17.82 183.35 121.67 5 19 36 946.3 30.48 10.34
 120.09 11 38 27 5572.48 26.51 259.58 183.36 121.66 13 11 19 4972.5 30.49 252.09

DIFFERENTIAL CORRECTIONS

TDE-1.2504 TRA -.8865 TC3-2.4762 BAU .7812
 RDE .3264 RRA .0312 RC3 .9581 FAU .05573
 FDE -.8751 FRA -.1672 FC3-2.1921 BSP 10114
 BDE 1.2923 BRA .8871 BC3 2.6551 FSP -663

MID-COURSE EXECUTION ACCURACY

SGT 3122.6 SGR 984.7 SG3 201.6
 RRT -.9004 RRF -.9960 RTF .9322
 SGB 3274.2 R23 .3258 R13 -.9447
 SG1 3248.2 SG2 411.7 TMA 163.88

ORBIT DETERMINATION ACCURACY

ST 1587.0 SR 399.9 SS 555.4
 CRT -.9724 CRS .9993 CST -.9806
 LSA 1723.3 MSA 132.2 SSA 2.3
 EL1 1634.1 EL2 90.6 ALF 166.19

LAUNCH DATE DEC 17 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 373.115

RL 147.21 LAL -.00 LOL 84.85 VL 27.916 GAL -7.32 AZL 113.67 HCA 178.90 SMA 129.64 ECC .18522 INC23.6627 VI 30.264
 RP 108.71 LAP -.44 LOP 263.84 VP 37.656 GAP 5.28 AZP 66.34 TAL 216.14 TAP 35.04 RCA 105.63 APO 153.65 V2 34.860
 RC 120.382 GL -61.76 GP 78.08 ZAL 105.66 ZAP 100.88 ETS 97.71 ZAE 89.72 ETE 179.39 ZAC 65.09 ETC 280.68 CLP 156.09

PLANETOCENTRIC CONIC

C3 159.192 VHL 12.617 OLA -68.30 RAL 11.19 RAD 6570.7 VEL 16.749 PTH 2.90 VMP 17.416 DPA 55.36 RAP 265.25 ECC 3.6199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.84 7 13 33 2244.70 11.45 73.07 276.55 157.83 7 50 58 1644.7 18.83 70.31
 155.16 17 32 54 5790.48 11.45 263.02 276.58 157.83 19 9 24 5190.5 18.84 260.26
 24.84 7 13 33 2244.70 11.45 73.07 276.55 157.83 7 50 58 1644.7 18.83 70.31
 155.16 17 32 54 5790.48 11.45 263.02 276.58 157.83 19 9 24 5190.5 18.84 260.26
 24.84 7 13 33 2244.70 11.45 73.07 276.55 157.83 7 50 58 1644.7 18.83 70.31
 155.16 17 32 54 5790.48 11.45 263.02 276.58 157.83 19 9 24 5190.5 18.84 260.26

DIFFERENTIAL CORRECTIONS

TOE 4.1792 TRA 1.9603 TC3 -.1157 BAU .2462
 ROE 3.0066 RRA .7450 RC3 .0004 FAU .00579
 FOE -.9628 FRA .4999 FC3 -.0315 BSP 7332
 BOE 5.1484 BRA 2.0971 BC3 .1157 FSP -150

MID-COURSE EXECUTION ACCURACY

SGT 3079.4 SGR 1643.5 SG3 65.5
 RRT .9471 RRF .9301 RTF .9988
 SGB 3490.5 R23 -.1192 R13 .9929
 SG1 3458.8 SG2 469.5 THA 27.36

ORBIT DETERMINATION ACCURACY

ST 2030.6 SR 1392.7 SS 713.9
 CRT .9864 CRS -.9800 CST -.9994
 LSA 2556.0 MSA 198.8 SSA .3
 EL1 2455.0 EL2 189.5 ALF 34.31

LAUNCH DATE DEC 17 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 379.261

RL 147.21 LAL -.00 LOL 84.85 VL 27.862 GAL -7.13 AZL 73.81 HCA 182.25 SMA 129.26 ECC .18544 INC16.1867 VI 30.264
 RP 108.74 LAP -.63 LOP 267.01 VP 37.607 GAP 5.57 AZP 106.18 TAL 214.87 TAP 37.12 RCA 105.29 APO 153.23 V2 34.851
 RC 122.731 GL 57.17 GP -65.15 ZAL 111.14 ZAP 112.34 ETS 290.42 ZAE 101.09 ETE 205.86 ZAC 81.93 ETC 109.23 CLP 154.74

PLANETOCENTRIC CONIC

C3 84.123 VHL 9.172 OLA 37.85 RAL 298.00 RAD 6569.6 VEL 14.334 PTH 2.61 VMP 9.166 DPA -83.76 RAP 11.19 ECC 2.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.76 16 25 29 4467.05 -12.77 199.94 191.07 54.06 17 39 56 3867.1 -17.37 193.58
 116.24 22 33 9 3310.81 -12.75 112.59 191.06 54.05 23 28 20 2710.8 -17.35 106.23
 63.76 16 25 29 4467.05 -12.77 199.94 191.07 54.06 17 39 56 3867.1 -17.37 193.58
 116.24 22 33 9 3310.81 -12.75 112.59 191.06 54.05 23 28 20 2710.8 -17.35 106.23
 63.76 16 25 29 4467.05 -12.77 199.94 191.07 54.06 17 39 56 3867.1 -17.37 193.58
 116.24 22 33 9 3310.81 -12.75 112.59 191.06 54.05 23 28 20 2710.8 -17.35 106.23

DIFFERENTIAL CORRECTIONS

TOE 4.1774 TRA -2.7525 TC3 -.5187 BAU .5857
 ROE .0626 RRA .5373 RC3 -.0466 FAU .02379
 FOE 1.6745 FRA -.6851 FC3 -.2448 BSP 10910
 BOE 4.1779 BRA 2.8044 BC3 .5208 FSP -369

MID-COURSE EXECUTION ACCURACY

SGT 3529.5 SGR 435.4 SG3 108.9
 RRT -.4830 RRF -.2752 RTF .9747
 SGB 3556.2 R23 -.2297 R13 -.9732
 SG1 3535.8 SG2 380.6 THA 176.55

ORBIT DETERMINATION ACCURACY

ST 2690.3 SR 133.4 SS 838.4
 CRT .0524 CRS -.1430 CST -.9959
 LSA 2817.0 MSA 151.8 SSA .0
 EL1 2690.3 EL2 133.2 ALF .15

LAUNCH DATE DEC 17 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 385.178

RL 147.21 LAL -.00 LOL 84.85 VL 27.808 GAL -6.88 AZL 81.34 HCA 185.39 SMA 128.88 ECC .18522 INC 8.6638 VI 30.264
 RP 108.76 LAP -.81 LOP 270.17 VP 37.559 GAP 5.79 AZP 98.63 TAL 213.44 TAP 38.83 RCA 105.01 APO 152.75 V2 34.842
 RC 125.075 GL 43.69 GP -38.67 ZAL 121.91 ZAP 130.89 ETS 313.05 ZAE 120.32 ETE 209.43 ZAC 63.62 ETC 128.49 CLP 146.98

PLANETOCENTRIC CONIC

C3 36.253 VHL 6.021 OLA 37.85 RAL 299.07 RAD 6568.4 VEL 12.555 PTH 2.28 VMP 5.555 DPA -59.26 RAP 319.87 ECC 1.5966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 50 29 3228.13 -25.70 112.71 180.13 77.68 22 44 17 2628.1 -27.14 104.34
 90.00 17 16 42 4138.93 -1.93 168.57 171.17 61.74 18 25 41 3538.9 -5.70 161.92
 100.00 23 31 35 2902.17 -28.00 89.26 180.66 79.09 24 19 57 2302.2 -29.22 80.67
 100.00 18 18 17 3940.13 .13 152.82 170.02 60.11 19 23 57 3340.1 -3.85 146.29
 110.00 1 22 49 2566.48 -33.43 64.79 181.69 82.43 2 5 36 1966.5 -34.12 55.61
 110.00 18 47 28 3848.59 4.80 142.98 167.11 56.11 19 51 37 3248.6 .32 136.76

DIFFERENTIAL CORRECTIONS

TOE 2.0994 TRA -2.1755 TC3 -1.5641 BAU .7669
 ROE .3442 RRA .0248 RC3 -.2392 FAU .06003
 FOE 1.8202 FRA -.8445 FC3 -1.4335 BSP 11184
 BOE 2.1274 BRA 2.1756 BC3 1.5823 FSP -765

MID-COURSE EXECUTION ACCURACY

SGT 3559.9 SGR 436.9 SG3 224.5
 RRT .7318 RRF .9174 RTF .9409
 SGB 3586.6 R23 .3288 R13 .9434
 SG1 3574.4 SG2 296.6 THA 5.17

ORBIT DETERMINATION ACCURACY

ST 2111.0 SR 327.8 SS 841.3
 CRT .9388 CRS -.9848 CST -.9844
 LSA 2289.5 MSA 172.8 SSA 1.3
 EL1 2133.4 EL2 111.7 ALF 8.32

LAUNCH DATE DEC 17 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 391.105

RL 147.21 LAL -.00 LOL 84.85 VL 27.753 GAL -6.64 AZL 83.32 HCA 188.55 SMA 128.50 ECC .18514 INC 6.6836 VI 30.264
 RP 108.79 LAP -.99 LOP 273.34 VP 37.511 GAP 6.02 AZP 96.61 TAL 211.99 TAP 40.54 RCA 104.71 APO 152.29 V2 34.834
 RC 127.413 GL 37.36 GP -25.99 ZAL 125.33 ZAP 139.36 ETS 322.87 ZAE 126.88 ETE 202.77 ZAC 56.22 ETC 136.56 CLP 147.59

PLANETOCENTRIC CONIC

C3 27.958 VHL 5.288 OLA 17.94 RAL 301.09 RAD 6568.1 VEL 12.220 PTH 2.20 VMP 4.994 DPA -46.55 RAP 316.54 ECC 1.4601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 13 16 2891.19 -28.31 88.49 175.25 89.47 24 1 27 2291.2 -28.09 79.83
 90.00 16 9 58 4345.24 4.71 180.10 166.83 62.05 17 22 24 3745.2 .93 173.45
 100.00 0 49 7 2594.73 -29.88 66.68 175.25 90.77 1 32 22 1994.7 -29.46 57.90
 100.00 17 20 43 4116.93 6.09 162.56 166.07 60.68 18 29 20 3516.9 2.14 156.00
 110.00 2 20 33 2308.70 -33.95 44.75 175.04 94.24 2 59 1 1708.7 -32.99 35.64
 110.00 18 5 47 3975.73 9.57 149.73 163.94 57.03 19 12 3 3375.7 5.16 143.41

DIFFERENTIAL CORRECTIONS

TOE 1.6126 TRA -1.9742 TC3 -2.1465 BAU .8055
 ROE .2120 RRA .0318 RC3 -.1919 FAU .07294
 FOE 1.6812 FRA -.7853 FC3 -2.2585 BSP 11372
 BOE 1.6265 BRA 1.9745 BC3 2.1551 FSP -909

MID-COURSE EXECUTION ACCURACY

SGT 3641.8 SGR 308.6 SG3 270.8
 RRT .6945 RRF .9002 RTF .9301
 SGB 3654.8 R23 .3500 R13 .9314
 SG1 3648.1 SG2 221.7 THA 3.38

ORBIT DETERMINATION ACCURACY

ST 1874.3 SR 230.0 SS 795.2
 CRT .9149 CRS -.9813 CST -.9754
 LSA 2040.8 MSA 182.8 SSA 2.7
 EL1 1886.1 EL2 92.3 ALF 6.42

LAUNCH DATE DEC 17 1965

FLIGHT TIME 134.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 397.023

RL 147.21 LAL -.00 LOL 84.85 VL 27.699 GAL -6.38 AZL 84.23 MCA 191.72 SMA 128.12 ECC .18515 INC 5.7684 V1 30.264
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.463 GAP 6.25 AZP 95.65 TAL 210.52 TAP 42.23 RCA 104.40 APO 151.84 V2 34.826
 RC 129.747 GL 33.98 GP -19.16 ZAL 126.28 ZAP 143.96 ETS 329.20 ZAE 129.36 ETE 197.70 ZAC 53.35 ETC 142.07 CLP-148.87

PLANETOCENTRIC CONIC

C3 24.508 VHL 4.951 OLA 14.92 RAL 302.94 RAD 6568.0 VEL 12.078 PTH 2.16 VHP 4.874 DPA -39.51 RAP 316.23 ECC 1.4033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 49 48 2746.56 -27.95 77.93 173.25 94.75 24 35 35 2146.6 -27.00 69.40
 90.00 15 48 16 4424.63 7.22 184.58 166.20 62.55 17 2 0 3824.6 3.49 177.89
 100.00 1 23 9 2458.21 -29.33 56.58 173.10 96.06 2 4 7 1858.2 -28.18 47.96
 100.00 17 1 32 4188.22 8.45 166.54 165.54 61.22 18 11 20 3588.2 4.54 159.93
 110.00 2 49 24 2188.31 -32.96 35.49 172.52 99.63 3 25 53 1588.3 -31.28 26.67
 110.00 17 51 46 4030.89 11.60 152.71 163.64 57.62 18 58 57 3430.9 7.25 146.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4063 TRA-1.8692 TC3-2.5467 BAU .8353 SGT 3744.3 SGR 218.9 SG3 284.7 ST 1762.4 SR 178.9 SS 749.5
 RDE .1540 RRA .0419 RC3 -.1179 FAU .07612 RRT .5761 RRF .8094 RTF .9247 CRT .8889 CRS -.9751 CST -.9682
 FDE 1.5216 FRA -.6817 FC3-2.6890 BSP 11731 SGB 3750.7 R23 .3370 R13 .9252 LSA 1914.2 MSA 189.1 SSA 4.0
 BDE 1.4147 BRA 1.8697 BC3 2.5494 FSP -953 SGI 3746.4 SG2 178.8 TMA 1.93 EL1 1769.6 EL2 81.6 ALF 5.17

LAUNCH DATE DEC 17 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 402.929

RL 147.21 LAL -.00 LOL 84.85 VL 27.644 GAL -6.12 AZL 84.76 MCA 194.88 SMA 127.75 ECC .18525 INC 5.2388 V1 30.264
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.416 GAP 6.47 AZP 95.06 TAL 209.02 TAP 43.90 RCA 104.08 APO 151.41 V2 34.819
 RC 132.074 GL 31.95 GP -15.01 ZAL 126.15 ZAP 146.99 ETS 333.49 ZAE 130.36 ETE 194.16 ZAC 52.47 ETC 146.08 CLP-150.25

PLANETOCENTRIC CONIC

C3 22.492 VHL 4.743 OLA 13.29 RAL 304.73 RAD 6567.9 VEL 11.995 PTH 2.14 VHP 4.877 DPA -35.04 RAP 316.88 ECC 1.3702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 15 21 2668.59 -27.38 72.30 172.71 97.52 0 59 49 2068.6 -26.06 63.88
 90.00 15 40 54 4460.68 8.35 186.63 166.55 62.84 16 55 14 3860.7 4.64 179.91
 100.00 1 43 38 2383.88 -28.67 51.15 172.50 98.84 2 23 22 1783.9 -27.15 42.68
 100.00 16 55 18 4220.62 9.50 168.36 165.93 61.53 18 5 39 3620.6 5.63 161.72
 110.00 3 7 28 2121.52 -32.09 30.48 171.76 102.48 3 42 50 1521.5 -30.04 21.87
 110.00 17 47 57 4055.74 12.50 154.07 164.15 57.92 18 55 32 3455.7 8.18 147.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3031 TRA-1.7930 TC3-2.8647 BAU .8615 SGT 3849.1 SGR 173.1 SG3 286.2 ST 1712.0 SR 156.6 SS 716.3
 RDE .1288 RRA .0457 RC3 -.0528 FAU .07566 RRT .3827 RRF .6281 RTF .9209 CRT .8722 CRS -.9718 CST -.9625
 FDE 1.3942 FRA -.5740 FC3-2.9121 BSP 12082 SGB 3853.0 R23 .2978 R13 .9211 LSA 1852.3 MSA 193.4 SSA 5.4
 BDE 1.3094 BRA 1.7936 BC3 2.8651 FSP -957 SGI 3849.7 SG2 159.9 TMA .99 EL1 1717.4 EL2 76.4 ALF 4.57

LAUNCH DATE DEC 17 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 408.822

RL 147.21 LAL -.00 LOL 84.85 VL 27.589 GAL -5.85 AZL 85.11 MCA 198.05 SMA 127.38 ECC .18545 INC 4.8916 V1 30.264
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.369 GAP 6.68 AZP 94.65 TAL 207.49 TAP 45.54 RCA 103.75 APO 151.00 V2 34.812
 RC 134.395 GL 30.64 GP -12.25 ZAL 125.44 ZAP 149.29 ETS 336.54 ZAE 130.74 ETE 191.64 ZAC 52.58 ETC 149.12 CLP-151.62

PLANETOCENTRIC CONIC

C3 21.085 VHL 4.592 OLA 12.42 RAL 306.51 RAD 6567.9 VEL 11.936 PTH 2.12 VHP 4.927 DPA -31.92 RAP 318.00 ECC 1.3470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 56 2623.18 -26.93 69.05 172.93 99.09 1 13 39 2023.2 -25.40 60.72
 90.00 15 40 29 4474.90 8.79 187.44 167.32 62.97 16 55 4 3874.9 5.10 180.71
 100.00 1 57 39 2340.27 -28.18 48.00 172.69 100.42 2 36 39 1740.3 -26.45 39.63
 100.00 16 55 27 4233.03 9.91 169.07 166.72 61.65 18 6 0 3633.0 6.04 162.41
 110.00 3 20 17 2081.72 -31.46 27.55 171.87 104.11 3 54 58 1481.7 -29.20 19.07
 110.00 17 49 18 4064.36 12.81 154.54 165.00 58.04 18 57 3 3464.4 8.50 148.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2495 TRA-1.7269 TC3-3.1422 BAU .8858 SGT 3953.0 SGR 158.7 SG3 282.8 ST 1696.0 SR 148.9 SS 693.5
 RDE .1185 RRA .0450 RC3 .0011 FAU .07374 RRT .1605 RRF .3881 RTF .9180 CRT .8678 CRS -.9729 CST -.9583
 FDE 1.2959 FRA -.4722 FC3-3.0277 BSP 12424 SGB 3956.2 R23 .2437 R13 .9181 LSA 1827.8 MSA 196.5 SSA 6.8
 BDE 1.2551 BRA 1.7275 BC3 3.1422 FSP -944 SGI 3953.1 SG2 156.7 TMA .37 EL1 1700.9 EL2 73.8 ALF 4.37

LAUNCH DATE DEC 17 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 414.702

RL 147.21 LAL -.00 LOL 84.85 VL 27.534 GAL -5.57 AZL 85.35 MCA 201.21 SMA 127.01 ECC .18575 INC 4.6454 V1 30.264
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.323 GAP 6.90 AZP 94.33 TAL 205.95 TAP 47.16 RCA 103.42 APO 150.60 V2 34.806
 RC 136.709 GL 29.75 GP -10.29 ZAL 124.36 ZAP 151.20 ETS 338.79 ZAE 130.86 ETE 189.79 ZAC 53.26 ETC 151.52 CLP-152.96

PLANETOCENTRIC CONIC

C3 20.000 VHL 4.472 OLA 12.01 RAL 308.31 RAD 6567.8 VEL 11.890 PTH 2.11 VHP 4.998 DPA -29.54 RAP 319.38 ECC 1.3291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 36 2596.62 -26.64 67.16 173.61 99.99 1 23 53 1996.6 -24.98 58.89
 90.00 15 44 11 4476.17 8.83 187.51 168.32 62.99 16 58 47 3876.2 5.14 180.78
 100.00 2 8 4 2314.54 -27.84 46.16 173.35 101.34 2 46 38 1714.5 -26.00 37.85
 100.00 16 59 24 4233.48 9.92 169.09 167.74 61.66 18 9 58 3633.5 6.06 162.43
 110.00 3 30 8 2057.73 -31.05 25.80 172.49 105.07 4 4 26 1457.7 -28.67 17.40
 110.00 17 53 49 4063.06 12.77 154.47 166.06 58.02 19 1 32 3463.1 8.45 148.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2191 TRA-1.6677 TC3-3.4092 BAU .9116 SGT 4063.1 SGR 162.8 SG3 277.8 ST 1696.3 SR 148.9 SS 675.0
 RDE .1155 RRA .0414 RC3 .0455 FAU .07156 RRT -.0171 RRF .1718 RTF .9162 CRT .8726 CRS -.9770 CST -.9553
 FDE 1.2126 FRA -.3835 FC3-3.0975 BSP 12882 SGB 4066.4 R23 -.1875 R13 -.9162 LSA 1820.9 MSA 198.0 SSA 8.1
 BDE 1.2246 BRA 1.6682 BC3 3.4095 FSP -939 SGI 4063.1 SG2 162.8 TMA 179.96 EL1 1701.2 EL2 72.5 ALF 4.39

LAUNCH DATE DEC 17 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 420.565

RL 147.21 LAL -0.00 LOL 84.85 VL 27.479 GAL -5.29 AZL 85.54 HCA 204.38 SMA 126.64 ECC .18615 INC 4.4606 V1 30.264
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.278 GAP 7.11 AZP 94.06 TAL 204.39 TAP 48.76 RCA 103.07 APO 150.22 V2 34.801
 RC 139.015 GL 29.13 GP -8.85 ZAL 123.02 ZAP 152.87 ETS 340.51 ZAE 130.84 ETE 188.37 ZAC 54.30 ETC 153.48 CLP-154.25

PLANETOCENTRIC CONIC

C3 19.113 VHL 4.372 DLA 11.90 RAL 310.15 RAD 6567.8 VEL 11.853 PTH 2.10 VHP 5.083 DPA -27.64 RAP 320.93 ECC 1.3145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 53 2582.22 -26.46 66.15 174.60 100.47 1 31 55 1982.2 -24.75 57.90
 90.00 15 50 38 4469.06 8.61 187.11 169.50 62.92 17 5 7 3869.1 4.91 180.38
 100.00 2 16 16 2300.36 -27.65 45.15 174.34 101.84 2 54 37 1700.4 -25.74 36.87
 100.00 17 5 56 4226.16 9.68 168.68 168.93 61.58 18 16 22 3626.2 5.81 162.03
 110.00 3 38 12 2043.99 -30.80 24.80 173.46 105.61 4 12 16 1444.0 -28.36 16.46
 110.00 18 0 29 4055.29 12.49 154.05 167.27 57.92 19 8 5 3455.3 8.16 147.62

DIFFERENTIAL CORRECTIONS

TDE 1.1606 TRA-1.6530 TC3-3.7594 BAU .9608
 RDE .1148 RRA .0336 RC3 .0782 FAU .07241
 FDE 1.0799 FRA -.3723 FC3-3.2800 BSP 14428
 BDE 1.1663 BRA 1.6534 BC3 3.7603 FSP -1072

MID-COURSE EXECUTION ACCURACY

SGT 4245.1 SGR 171.3 SG3 279.7
 RRT -.1318 RRF -.0105 RTF .9231
 SGB 4248.5 R23 -.1124 R13 -.9231
 SGI 4245.1 SG2 169.8 THA 179.69

ORBIT DETERMINATION ACCURACY

ST 1662.7 SR 151.0 SS 626.1
 CRT .8745 CRS -.9784 CST -.9536
 LSA 1772.9 MSA 189.7 SSA 10.1
 EL1 1667.9 EL2 73.0 ALF 4.55

LAUNCH DATE DEC 17 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 426.429

RL 147.21 LAL -0.00 LOL 84.85 VL 27.424 GAL -4.99 AZL 85.68 HCA 207.54 SMA 126.28 ECC .18664 INC 4.3160 V1 30.264
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.233 GAP 7.31 AZP 93.83 TAL 202.79 TAP 50.33 RCA 102.71 APO 149.85 V2 34.797
 RC 141.312 GL 28.68 GP -7.74 ZAL 121.46 ZAP 154.37 ETS 341.85 ZAE 130.77 ETE 187.28 ZAC 55.59 ETC 155.12 CLP-155.49

PLANETOCENTRIC CONIC

C3 18.351 VHL 4.284 DLA 12.03 RAL 312.08 RAD 6567.7 VEL 11.821 PTH 2.09 VHP 5.174 DPA -26.02 RAP 322.62 ECC 1.3020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 31 2576.80 -26.39 65.76 175.86 100.65 1 38 28 1976.8 -24.66 57.53
 90.00 15 59 21 4455.38 8.19 186.33 170.85 62.80 17 13 36 3855.4 4.47 179.61
 100.00 2 23 0 2294.69 -27.57 44.75 175.60 102.03 3 1 14 1694.7 -25.63 36.48
 100.00 17 14 34 4212.72 9.25 167.92 170.28 61.45 18 24 46 3612.7 5.36 161.28
 110.00 3 45 5 2037.81 -30.69 24.36 174.71 105.85 4 19 3 1437.8 -28.21 16.04
 110.00 18 8 57 4042.36 12.02 153.34 168.63 57.76 19 16 20 3442.4 7.68 146.93

DIFFERENTIAL CORRECTIONS

TDE 1.2347 TRA-1.5159 TC3-3.8561 BAU .9465
 RDE .1207 RRA .0302 RC3 .1179 FAU .06479
 FDE 1.1243 FRA -.1862 FC3-3.0565 BSP 15133
 BDE 1.2406 BRA 1.5162 BC3 3.8579 FSP -841

MID-COURSE EXECUTION ACCURACY

SGT 4235.5 SGR 194.9 SG3 261.8
 RRT -.1848 RRF -.0546 RTF .9086
 SGB 4240.0 R23 -.1157 R13 -.9086
 SGI 4235.7 SG2 191.5 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 1767.4 SR 162.0 SS 674.0
 CRT .9036 CRS -.9894 CST -.9526
 LSA 1887.6 MSA 202.5 SSA 10.4
 EL1 1773.5 EL2 69.2 ALF 4.74

LAUNCH DATE DEC 17 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 432.273

RL 147.21 LAL -0.00 LOL 84.85 VL 27.370 GAL -4.69 AZL 85.80 HCA 210.70 SMA 125.92 ECC .18726 INC 4.1992 V1 30.264
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.190 GAP 7.52 AZP 93.61 TAL 201.18 TAP 51.88 RCA 102.34 APO 149.50 V2 34.793
 RC 143.598 GL 28.35 GP -6.86 ZAL 119.73 ZAP 155.75 ETS 342.92 ZAE 130.66 ETE 186.40 ZAC 57.06 ETC 156.51 CLP-156.68

PLANETOCENTRIC CONIC

C3 17.696 VHL 4.207 DLA 12.31 RAL 314.07 RAD 6567.7 VEL 11.793 PTH 2.09 VHP 5.270 DPA -24.61 RAP 324.39 ECC 1.2912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 6 2577.83 -26.41 65.84 177.34 100.61 1 44 3 1977.8 -24.67 57.60
 90.00 16 9 41 4437.39 7.62 185.30 172.34 62.65 17 23 38 3837.4 3.90 178.60
 100.00 2 28 44 2295.16 -27.58 44.78 177.08 102.02 3 7 0 1695.2 -25.64 36.32
 100.00 17 24 43 4195.29 8.68 166.94 171.77 61.28 18 34 38 3595.3 4.78 160.32
 110.00 3 51 13 2037.10 -30.68 24.31 176.19 105.88 4 25 10 1437.1 -28.20 15.99
 110.00 18 18 44 4026.12 11.43 152.45 170.12 57.56 19 25 50 3426.1 7.07 146.07

DIFFERENTIAL CORRECTIONS

TDE 1.2439 TRA-1.4479 TC3-4.1016 BAU .9710
 RDE .1252 RRA .0223 RC3 .1456 FAU .06243
 FDE 1.0738 FRA -.1178 FC3-3.0542 BSP 13614
 BDE 1.2502 BRA 1.4480 BC3 4.1042 FSP -838

MID-COURSE EXECUTION ACCURACY

SGT 4341.9 SGR 212.2 SG3 255.8
 RRT -.2134 RRF -.1122 RTF .9082
 SGB 4347.1 R23 -.0839 R13 -.9081
 SGI 4342.2 SG2 207.3 THA 179.40

ORBIT DETERMINATION ACCURACY

ST 1802.2 SR 170.8 SS 667.3
 CRT .9189 CRS -.9934 CST -.9526
 LSA 1918.8 MSA 200.7 SSA 11.6
 EL1 1809.0 EL2 67.1 ALF 4.98

LAUNCH DATE DEC 17 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 438.105

RL 147.21 LAL -0.00 LOL 84.85 VL 27.316 GAL -4.37 AZL 85.90 HCA 213.86 SMA 125.57 ECC .18800 INC 4.1023 V1 30.264
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.147 GAP 7.73 AZP 93.41 TAL 199.55 TAP 53.42 RCA 101.96 APO 149.18 V2 34.790
 RC 145.874 GL 28.09 GP -6.16 ZAL 117.84 ZAP 157.04 ETS 343.77 ZAE 130.55 ETE 185.69 ZAC 58.67 ETC 157.72 CLP-157.83

PLANETOCENTRIC CONIC

C3 17.124 VHL 4.138 DLA 12.72 RAL 316.15 RAD 6567.7 VEL 11.769 PTH 2.08 VHP 5.371 DPA -23.32 RAP 326.24 ECC 1.2818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 53 2584.24 -26.49 66.29 179.02 100.40 1 48 57 1984.2 -24.78 58.04
 90.00 16 21 30 4415.75 6.95 184.07 173.99 62.48 17 35 5 3815.8 3.21 177.39
 100.00 2 33 47 2300.73 -27.66 45.18 178.76 101.82 3 12 8 1700.7 -25.75 36.90
 100.00 17 36 16 4174.49 8.00 165.77 173.42 61.10 18 45 51 3574.5 4.08 159.17
 110.00 3 56 49 2040.89 -30.75 24.58 177.89 105.73 4 30 50 1440.9 -28.28 16.25
 110.00 18 29 43 4007.09 10.73 151.42 171.77 57.35 19 36 30 3407.1 6.35 145.06

DIFFERENTIAL CORRECTIONS

TDE 1.2677 TRA-1.3672 TC3-4.3276 BAU .9915
 RDE .1305 RRA .0141 RC3 .1702 FAU .05969
 FDE 1.0380 FRA -.0447 FC3-3.0177 BSP 13936
 BDE 1.2744 BRA 1.3672 BC3 4.3309 FSP -816

MID-COURSE EXECUTION ACCURACY

SGT 4435.6 SGR 230.0 SG3 249.0
 RRT -.2214 RRF -.1406 RTF .9067
 SGB 4441.6 R23 -.0622 R13 -.9066
 SGI 4435.9 SG2 224.3 THA 179.34

ORBIT DETERMINATION ACCURACY

ST 1852.4 SR 180.9 SS 668.0
 CRT .9350 CRS -.9961 CST -.9534
 LSA 1967.4 MSA 198.9 SSA 12.8
 EL1 1860.1 EL2 63.9 ALF 5.22

LAUNCH DATE DEC 17 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 443.925

RL 147.21 LAL -.00 LOL 84.85 VL 27.262 GAL -4.05 AZL 85.98 MCA 217.03 SMA 125.22 ECC .18886 INC 4.0201 V1 30.264
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.105 GAP 7.94 AZP 93.21 TAL 197.90 TAP 54.93 RCA 101.57 APO 148.87 V2 34.787
 RC 148.138 GL 27.88 GP -5.58 ZAL 115.81 ZAP 158.25 ETS 344.47 ZAE 130.45 ETE 185.11 ZAC 60.38 ETC 158.78 CLP-158.94

PLANETOCENTRIC CONIC

C3 16.624 VHL 4.077 DLA 13.24 RAL 318.33 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 5.476 OPA -22.13 RAP 328.14 ECC 1.2736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 5 2595.18 -26.62 67.06 180.89 100.03 1 53 20 1995.2 -24.96 58.79
 90.00 16 34 38 4391.19 6.17 182.69 175.79 62.31 17 47 50 3791.2 2.42 176.02
 100.00 2 38 19 2310.59 -27.79 45.88 180.64 101.48 3 16 50 1710.6 -25.93 37.58
 100.00 17 49 5 4151.01 7.22 164.46 175.22 60.91 18 58 16 3551.0 3.29 157.88
 110.00 4 2 5 2048.49 -30.89 25.13 179.79 105.43 4 36 14 1448.5 -28.46 16.77
 110.00 18 41 48 3985.88 9.95 150.27 173.56 57.13 19 48 14 3385.9 5.55 143.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2986 TRA-1.2797 TC3-4.5473 BAU 1.0115 SGT 4526.9 SGR 247.2 SG3 242.3 ST 1910.4 SR 191.6 SS 670.8
 RDE .1363 RRA .0054 RC3 .1914 FAU .05701 RRT -.2176 RRF -.1535 RTF .9054 CRT .9499 CRS -.9971 CST -.9548
 FDE 1.0075 FRA .0245 FC3-2.9691 BSP 14249 SGB 4533.7 R23 -.0452 R13 -.9053 LSA 2024.3 MSA 196.1 S5A 13.9
 BDE 1.3057 BRA 1.2797 BC3 4.5513 FSP -795 SGI 4527.2 SG2 241.3 THA 179.32 EL1 1919.1 EL2 59.6 ALF 5.45

LAUNCH DATE DEC 17 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 449.734

RL 147.21 LAL -.00 LOL 84.85 VL 27.208 GAL -3.72 AZL 86.05 MCA 220.19 SMA 124.88 ECC .18986 INC 3.9491 V1 30.264
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.064 GAP 8.15 AZP 93.02 TAL 196.24 TAP 56.43 RCA 101.17 APO 148.59 V2 34.786
 RC 150.390 GL 27.69 GP -5.09 ZAL 113.64 ZAP 159.40 ETS 345.03 ZAE 130.36 ETE 184.62 ZAC 62.18 ETC 159.72 CLP-160.01

PLANETOCENTRIC CONIC

C3 16.192 VHL 4.024 DLA 13.84 RAL 320.60 RAD 6567.6 VEL 11.729 PTH 2.07 VHP 5.584 OPA -21.00 RAP 330.09 ECC 1.2665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 51 2610.13 -26.79 68.12 182.96 99.53 1 57 21 2010.1 -25.20 59.82
 90.00 16 49 1 4364.20 5.31 181.16 177.76 62.15 18 1 45 3764.2 1.55 174.51
 100.00 2 42 30 2324.23 -27.97 46.85 182.72 101.00 3 21 14 1724.2 -26.17 38.52
 100.00 18 3 3 4125.32 6.37 163.03 177.18 60.73 19 11 48 3525.3 2.42 156.46
 110.00 4 7 8 2059.40 -31.08 25.92 181.89 105.00 4 41 27 1459.4 -28.71 17.52
 110.00 18 54 54 3962.92 9.10 149.04 175.51 56.91 20 0 57 3362.9 4.68 142.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3363 TRA-1.1846 TC3-4.7570 BAU 1.0308 SGT 4614.6 SGR 263.7 SG3 235.8 ST 1976.2 SR 202.8 SS 675.4
 RDE .1424 RRA -.0036 RC3 .2096 FAU .05439 RRT -.2061 RRF -.1558 RTF .9044 CRT .9631 CRS -.9965 CST -.9567
 FDE .9814 FRA .0899 FC3-2.9082 BSP 14553 SGB 4622.2 R23 -.0318 R13 -.9044 LSA 2089.3 MSA 192.4 S5A 14.9
 BDE 1.3439 BRA 1.1846 BC3 4.7616 FSP -775 SGI 4614.9 SG2 258.1 THA 179.32 EL1 1985.8 EL2 54.3 ALF 5.65

LAUNCH DATE DEC 17 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 455.530

RL 147.21 LAL -.00 LOL 84.85 VL 27.155 GAL -3.37 AZL 86.11 MCA 223.35 SMA 124.54 ECC .19100 INC 3.8869 V1 30.264
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.024 GAP 8.36 AZP 92.83 TAL 194.56 TAP 57.91 RCA 100.75 APO 148.33 V2 34.785
 RC 152.629 GL 27.51 GP -4.68 ZAL 111.33 ZAP 160.50 ETS 345.49 ZAE 130.28 ETE 184.21 ZAC 64.06 ETC 160.57 CLP-161.05

PLANETOCENTRIC CONIC

C3 15.825 VHL 3.978 DLA 14.52 RAL 322.98 RAD 6567.6 VEL 11.714 PTH 2.06 VHP 5.696 OPA -19.91 RAP 332.08 ECC 1.2604
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 17 2628.71 -26.99 69.45 185.22 98.90 2 1 6 2028.7 -25.49 61.10
 90.00 17 4 33 4335.19 4.39 179.53 179.90 62.00 18 16 49 3735.2 .61 172.89
 100.00 2 46 24 2341.29 -28.19 48.08 184.99 100.39 3 25 26 1741.3 -26.46 39.70
 100.00 18 18 7 4097.84 5.45 161.50 179.32 60.56 19 26 25 3497.8 1.49 154.95
 110.00 4 12 3 2073.30 -31.32 26.93 184.19 104.45 4 46 37 1473.3 -29.02 18.48
 110.00 19 8 58 3938.59 8.19 147.74 177.64 56.70 20 14 36 3338.6 3.75 141.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3821 TRA-1.0790 TC3-4.9497 BAU 1.0482 SGT 4695.5 SGR 279.6 SG3 229.2 ST 2051.5 SR 214.2 SS 682.8
 RDE .1486 RRA -.0127 RC3 .2248 FAU .05172 RRT -.1890 RRF -.1494 RTF .9032 CRT .9745 CRS -.9944 CST -.9591
 FDE .9609 FRA .1553 FC3-2.8294 BSP 14782 SGB 4703.8 R23 -.0223 R13 -.9031 LSA 2164.5 MSA 188.3 S5A 15.9
 BDE 1.3901 BRA 1.0791 BC3 4.9548 FSP -749 SGI 4695.8 SG2 274.5 THA 179.35 EL1 2062.1 EL2 47.8 ALF 5.81

LAUNCH DATE DEC 17 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 461.314

RL 147.21 LAL -.00 LOL 84.85 VL 27.103 GAL -3.02 AZL 86.17 MCA 226.51 SMA 124.21 ECC .19230 INC 3.8316 V1 30.264
 RP 108.94 LAP -2.78 LOP 311.29 VP 36.985 GAP 8.57 AZP 92.64 TAL 192.87 TAP 59.38 RCA 100.32 APO 148.09 V2 34.784
 RC 154.855 GL 27.33 GP -4.34 ZAL 108.91 ZAP 161.56 ETS 345.85 ZAE 130.21 ETE 183.87 ZAC 65.99 ETC 161.32 CLP-162.06

PLANETOCENTRIC CONIC

C3 15.522 VHL 3.940 DLA 15.26 RAL 325.47 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 5.812 OPA -18.85 RAP 334.09 ECC 1.2555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 29 2650.63 -27.21 71.01 187.68 98.14 2 4 39 2050.6 -25.81 62.63
 90.00 17 21 13 4304.53 3.41 177.82 182.23 61.87 18 32 57 3704.5 -.38 171.18
 100.00 2 50 9 2361.47 -28.43 49.53 187.46 99.66 3 29 30 1761.5 -26.80 41.10
 100.00 18 34 14 4068.93 4.48 159.90 181.64 60.41 19 42 3 3468.9 .51 153.37
 110.00 4 16 56 2089.92 -31.60 28.15 186.70 103.78 4 51 46 1489.9 -29.38 19.64
 110.00 19 23 56 3913.25 7.24 146.39 179.94 56.50 20 29 9 3313.2 2.79 140.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4307 TRA -.9881 TC3-5.1347 BAU 1.0667 SGT 4777.9 SGR 294.5 SG3 223.0 ST 2129.7 SR 225.7 SS 689.0
 RDE .1550 RRA -.0218 RC3 .2369 FAU .04920 RRT -.1695 RRF -.1405 RTF .9028 CRT .9833 CRS -.9909 CST -.9616
 FDE .9401 FRA .2145 FC3-2.7483 BSP 15077 SGB 4787.0 R23 -.0133 R13 -.9028 LSA 2242.1 MSA 183.2 S5A 16.9
 BDE 1.4391 BRA .9884 BC3 5.1402 FSP -731 SGI 4778.2 SG2 290.2 THA 179.40 EL1 2141.2 EL2 40.8 ALF 5.95

LAUNCH DATE DEC 17 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 467.085

RL 147.21 LAL -1.00 LOL 84.85 VL 27.050 GAL -2.65 AZL 86.22 HCA 229.67 SMA 123.88 ECC .19375 INC 3.7817 V1 30.264
 RP 108.94 LAP -2.88 LOP 314.45 VP 36.948 GAP 8.79 AZP 92.45 TAL 191.16 TAP 60.83 RCA 99.88 APO 147.88 V2 34.785
 RC 157.067 GL 27.12 GP -4.04 ZAL 106.36 ZAP 162.57 ETS 346.13 ZAE 130.17 ETE 183.58 ZAC 67.98 ETC 162.01 CLP-163.03

PLANETOCENTRIC CONIC

C3 15.286 VHL 3.910 DLA 16.05 RAL 328.07 RAD 6567.6 VEL 11.691 PTH 2.06 VMP 5.931 DPA -17.81 RAP 336.14 ECC 1.2516
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 29 2675.71 -27.44 72.81 190.34 97.27 2 8 5 2075.7 -26.15 64.38
 90.00 17 38 56 4272.55 2.38 176.03 184.75 61.77 18 50 9 3672.6 -1.41 169.40
 100.00 2 53 46 2384.58 -28.68 51.20 190.14 98.81 3 33 31 1784.6 -27.16 42.72
 100.00 18 51 21 4038.91 3.47 158.25 184.15 60.29 19 58 39 3438.9 -.51 151.72
 110.00 4 21 50 2109.04 -31.90 29.56 189.42 102.99 4 56 59 1509.0 -29.78 20.98
 110.00 19 39 46 3887.21 6.26 145.01 182.42 56.33 20 44 33 3287.2 1.79 138.78

DIFFERENTIAL CORRECTIONS

TDE 1.4844 TRA -.8484 TC3-5.3018 BAU 1.0846
 RDE .1616 RRA -.0308 RC3 .2460 FAU .04690
 FDE .9221 FRA .2717 FC3-2.6564 BSP 15361
 BDE 1.4932 BRA .8490 BC3 5.3075 FSP -713

MID-COURSE EXECUTION ACCURACY

SGT 4857.2 SGR 308.6 SG3 217.1
 RRT -.1478 RRF -.1276 RTF .9026
 SGB 4867.0 R23 -.0064 R13 -.9026
 SG1 4857.5 SG2 305.2 TMA 179.46

ORBIT DETERMINATION ACCURACY

ST 2213.3 SR 237.3 SS 696.1
 CRT .9899 CRS -.9862 CST -.9643
 LSA 2325.4 MSA 177.9 SSA 17.9
 EL1 2225.7 EL2 33.4 ALF 6.06

LAUNCH DATE DEC 17 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 472.842

RL 147.21 LAL -1.00 LOL 84.85 VL 26.999 GAL -2.27 AZL 86.26 HCA 232.83 SMA 123.56 ECC .19537 INC 3.7363 V1 30.264
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.911 GAP 9.01 AZP 92.26 TAL 189.44 TAP 62.27 RCA 99.42 APO 147.70 V2 34.786
 RC 159.265 GL 26.88 GP -3.78 ZAL 103.70 ZAP 163.55 ETS 346.33 ZAE 130.13 ETE 183.33 ZAC 70.02 ETC 162.63 CLP-163.98

PLANETOCENTRIC CONIC

C3 15.118 VHL 3.888 DLA 16.87 RAL 330.78 RAD 6567.6 VEL 11.683 PTH 2.05 VMP 6.054 DPA -16.78 RAP 338.20 ECC 1.2488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 22 2703.74 -27.67 74.83 193.20 96.28 2 11 26 2103.7 -26.51 66.36
 90.00 17 57 41 4239.57 1.32 174.19 187.47 61.71 19 8 20 3639.6 -2.48 167.56
 100.00 2 57 20 2410.41 -28.93 53.08 193.02 97.86 3 37 30 1810.4 -27.55 44.55
 100.00 19 9 24 4008.13 2.43 156.55 186.85 60.20 20 16 12 3408.1 -1.55 150.03
 110.00 4 26 48 2130.49 -32.22 31.15 192.35 102.10 5 2 18 1530.5 -30.21 22.51
 110.00 19 56 26 3860.81 5.26 143.62 185.09 56.18 21 0 47 3260.8 .78 137.40

DIFFERENTIAL CORRECTIONS

TDE 1.5421 TRA -.7208 TC3-5.4476 BAU 1.1022
 RDE .1684 RRA -.0395 RC3 .2518 FAU .04463
 FDE .9047 FRA .3256 FC3-2.5557 BSP 15637
 BDE 1.5513 BRA .7219 BC3 5.4535 FSP -698

MID-COURSE EXECUTION ACCURACY

SGT 4933.8 SGR 322.0 SG3 211.3
 RRT -.1247 RRF -.1128 RTF .9029
 SGB 4944.3 R23 -.0002 R13 -.9029
 SG1 4933.9 SG2 319.4 TMA 179.53

ORBIT DETERMINATION ACCURACY

ST 2300.2 SR 249.0 SS 702.4
 CRT .9943 CRS -.9805 CST -.9670
 LSA 2411.7 MSA 172.2 SSA 18.8
 EL1 2313.4 EL2 26.4 ALF 6.14

LAUNCH DATE DEC 17 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 478.586

RL 147.21 LAL -1.00 LOL 84.85 VL 26.947 GAL -1.88 AZL 86.31 HCA 235.99 SMA 123.24 ECC .19717 INC 3.6946 V1 30.264
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.875 GAP 9.23 AZP 92.07 TAL 187.71 TAP 63.70 RCA 98.94 APO 147.54 V2 34.788
 RC 161.449 GL 26.60 GP -3.55 ZAL 100.94 ZAP 164.50 ETS 346.46 ZAE 130.11 ETE 183.11 ZAC 72.10 ETC 163.19 CLP-164.90

PLANETOCENTRIC CONIC

C3 15.023 VHL 3.876 DLA 17.72 RAL 333.60 RAD 6567.6 VEL 11.679 PTH 2.05 VMP 6.182 DPA -15.75 RAP 340.28 ECC 1.2472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 10 2734.59 -27.88 77.06 196.26 95.18 2 14 45 2134.6 -26.87 68.54
 90.00 18 17 24 4205.90 .23 172.31 190.40 61.68 19 27 30 3605.9 -3.56 165.68
 100.00 3 0 54 2438.81 -29.18 55.15 196.11 96.79 3 41 33 1838.8 -27.93 46.57
 100.00 19 28 22 3976.91 1.37 154.84 189.76 60.14 20 34 39 3376.9 -2.61 148.32
 110.00 4 31 54 2154.09 -32.54 32.91 195.49 101.10 5 7 48 1554.1 -30.67 24.20
 110.00 20 13 51 3834.39 4.26 142.23 187.96 56.05 21 17 46 3234.4 -.23 136.02

DIFFERENTIAL CORRECTIONS

TDE 1.6076 TRA -.5802 TC3-5.5578 BAU 1.1174
 RDE .1757 RRA -.0479 RC3 .2546 FAU .04228
 FDE .8913 FRA .3806 FC3-2.4363 BSP 15842
 BDE 1.6172 BRA .5822 BC3 5.5636 FSP -675

MID-COURSE EXECUTION ACCURACY

SGT 5002.0 SGR 334.5 SG3 205.4
 RRT -.0993 RRF -.0936 RTF .9028
 SGB 5013.2 R23 .0036 R13 -.9028
 SG1 5002.1 SG2 332.9 TMA 179.62

ORBIT DETERMINATION ACCURACY

ST 2395.2 SR 260.7 SS 710.7
 CRT .9967 CRS -.9739 CST -.9697
 LSA 2506.4 MSA 166.9 SSA 19.6
 EL1 2409.3 EL2 21.1 ALF 6.19

LAUNCH DATE DEC 17 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 484.315

RL 147.21 LAL -1.00 LOL 84.85 VL 26.897 GAL -1.48 AZL 86.34 HCA 239.15 SMA 122.93 ECC .19917 INC 3.6558 V1 30.264
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.840 GAP 9.47 AZP 91.88 TAL 185.97 TAP 65.12 RCA 98.44 APO 147.41 V2 34.791
 RC 163.619 GL 26.27 GP -3.35 ZAL 98.08 ZAP 165.42 ETS 346.52 ZAE 130.11 ETE 182.93 ZAC 74.22 ETC 163.71 CLP-165.80

PLANETOCENTRIC CONIC

C3 15.006 VHL 3.874 DLA 18.59 RAL 336.53 RAD 6567.6 VEL 11.679 PTH 2.05 VMP 6.315 DPA -14.73 RAP 342.38 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 56 2768.06 -28.06 79.50 199.52 93.97 2 18 4 2168.1 -27.21 70.93
 90.00 18 38 2 4171.90 -.87 170.41 193.53 61.70 19 47 34 3571.9 -4.65 163.77
 100.00 3 4 30 2469.56 -29.41 57.41 199.40 95.62 3 45 40 1869.6 -28.32 48.78
 100.00 19 48 9 3945.63 .31 153.12 192.88 60.11 20 53 54 3345.6 -3.67 146.60
 110.00 4 37 10 2179.63 -32.86 34.84 198.84 100.01 5 13 30 1579.6 -31.13 26.04
 110.00 20 31 58 3808.33 3.27 140.87 191.03 55.95 21 35 26 3208.3 -1.22 134.66

DIFFERENTIAL CORRECTIONS

TDE 1.6744 TRA -.4328 TC3-5.6430 BAU 1.1332
 RDE .1834 RRA -.0559 RC3 .2541 FAU .04007
 FDE .8771 FRA .4317 FC3-2.3120 BSP 16091
 BDE 1.6844 BRA .4364 BC3 5.6487 FSP -658

MID-COURSE EXECUTION ACCURACY

SGT 5069.8 SGR 346.3 SG3 199.8
 RRT -.0740 RRF -.0742 RTF .9034
 SGB 5081.6 R23 .0070 R13 -.9034
 SG1 5069.9 SG2 345.4 TMA 179.71

ORBIT DETERMINATION ACCURACY

ST 2488.2 SR 272.6 SS 717.0
 CRT .9971 CRS -.9668 CST -.9722
 LSA 2598.7 MSA 161.7 SSA 20.3
 EL1 2503.1 EL2 20.5 ALF 6.23

LAUNCH DATE DEC 17 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 490.028

RL 147.21 LAL -0.00 LOL 84.85 VL 26.846 GAL -1.06 AZL 86.38 MCA 242.32 SMA 122.62 ECC .20137 INC 3.6195 V1 30.264
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.807 GAP 9.70 AZP 91.68 TAL 184.22 TAP 66.53 RCA 97.93 APO 147.31 V2 34.794
 RC 165.775 GL 25.88 GP -3.17 ZAL 95.13 ZAP 166.31 ETS 346.50 ZAE 130.11 ETE 182.77 ZAC 76.37 ETC 164.18 CLP-166.68

PLANETOCENTRIC CONIC

C3 15.072 VHL 3.882 DLA 19.45 RAL 339.57 RAD 6567.6 VEL 11.681 PTH 2.05 VHP 6.453 DPA -13.71 RAP 344.49 ECC 1.2480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 42 2803.96 -28.20 82.11 202.98 92.67 2 21 26 2204.0 -27.53 73.51
 90.00 18 59 28 4137.97 -1.96 168.52 196.87 61.75 20 8 26 3538.0 -5.73 161.86
 100.00 3 8 12 2502.46 -29.60 59.84 202.89 94.36 3 49 54 1902.5 -28.68 51.15
 100.00 20 8 40 3914.70 -1.74 151.43 196.19 60.12 21 13 54 3314.7 -4.71 144.89
 110.00 4 42 40 2206.90 -33.16 36.91 202.40 98.82 5 19 27 1606.9 -31.59 28.03
 110.00 20 50 41 3783.02 -2.30 139.55 194.29 55.89 21 53 44 3183.0 -2.19 133.34

DIFFERENTIAL CORRECTIONS

TDE 1.7437 TRA -.2769 TC3-5.6966 BAU 1.1489
 RDE .1917 RRA -.0632 RC3 .2503 FAU .03800
 FDE .8628 FRA .4795 FC3-2.1830 BSP 16347
 BDE 1.7543 BRA .2840 BC3 5.7021 FSP -643

MID-COURSE EXECUTION ACCURACY

SGT 5135.6 SGR 357.3 SG3 194.3
 RRT -.0483 RRF -.0541 RTF .9047
 SGB 5148.0 R23 .0102 R13 -.9047
 SG1 5135.7 SG2 356.9 THA 179.81

ORBIT DETERMINATION ACCURACY

ST 2580.2 SR 284.6 SS 721.5
 CRT .9960 CRS -.9594 CST -.9747
 LSA 2689.6 MSA 156.8 SSA 20.9
 EL1 2595.7 EL2 25.4 ALF 6.27

LAUNCH DATE DEC 17 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 495.723

RL 147.21 LAL -0.00 LOL 84.85 VL 26.796 GAL -.63 AZL 86.41 MCA 245.48 SMA 122.32 ECC .20380 INC 3.5853 V1 30.264
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.774 GAP 9.95 AZP 91.49 TAL 182.46 TAP 67.94 RCA 97.39 APO 147.25 V2 34.798
 RC 167.915 GL 25.43 GP -3.01 ZAL 92.12 ZAP 167.18 ETS 346.40 ZAE 130.13 ETE 182.64 ZAC 78.54 ETC 164.61 CLP-167.54

PLANETOCENTRIC CONIC

C3 15.228 VHL 3.902 DLA 20.31 RAL 342.70 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.597 DPA -12.68 RAP 346.61 ECC 1.2506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 31 2842.06 -28.29 84.90 206.63 91.27 2 24 53 2242.1 -27.81 76.26
 90.00 19 21 38 4104.48 -3.04 166.65 200.42 61.83 20 30 3 3504.5 -6.78 159.97
 100.00 3 12 2 2537.26 -29.75 62.41 206.57 93.01 3 54 19 1937.3 -29.02 53.68
 100.00 20 29 48 3884.52 -1.76 149.77 199.71 60.15 21 34 32 3284.5 -5.72 143.22
 110.00 4 48 26 2235.68 -33.44 39.11 206.17 97.54 5 25 42 1635.7 -32.04 30.16
 110.00 21 9 53 3758.87 1.38 138.28 197.75 55.84 22 12 32 3158.9 -3.11 132.08

DIFFERENTIAL CORRECTIONS

TDE 1.8158 TRA -.1102 TC3-5.7127 BAU 1.1640
 RDE .2008 RRA -.0699 RC3 .2435 FAU .03600
 FDE .8491 FRA .5275 FC3-2.0468 BSP 16588
 BDE 1.8269 BRA .1305 BC3 5.7179 FSP -628

MID-COURSE EXECUTION ACCURACY

SGT 5197.7 SGR 367.4 SG3 189.1
 RRT -.0223 RRF -.0330 RTF .9059
 SGB 5210.7 R23 .0127 R13 -.9059
 SG1 5197.7 SG2 367.3 THA 179.91

ORBIT DETERMINATION ACCURACY

ST 2670.0 SR 296.6 SS 725.1
 CRT .9934 CRS -.9516 CST -.9768
 LSA 2778.2 MSA 153.0 SSA 21.3
 EL1 2686.2 EL2 33.8 ALF 6.30

LAUNCH DATE DEC 17 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 501.401

RL 147.21 LAL -0.00 LOL 84.85 VL 26.747 GAL -.18 AZL 86.45 MCA 248.64 SMA 122.02 ECC .20646 INC 3.5528 V1 30.264
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.743 GAP 10.21 AZP 91.30 TAL 180.69 TAP 69.33 RCA 96.83 APO 147.21 V2 34.803
 RC 170.040 GL 24.91 GP -2.87 ZAL 89.04 ZAP 168.04 ETS 346.22 ZAE 130.16 ETE 182.52 ZAC 80.74 ETC 165.00 CLP-168.38

PLANETOCENTRIC CONIC

C3 15.482 VHL 3.935 DLA 21.14 RAL 345.91 RAD 6567.6 VEL 11.699 PTH 2.06 VHP 6.748 DPA -11.65 RAP 348.74 ECC 1.2548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 25 2882.11 -28.32 87.83 210.46 89.81 2 28 27 2282.1 -28.04 79.17
 90.00 19 44 24 4071.89 -4.09 164.83 204.16 61.96 20 52 15 3471.9 -7.81 158.12
 100.00 3 16 4 2573.67 -29.85 65.11 210.43 91.59 3 58 58 1973.7 -29.31 56.35
 100.00 20 51 25 3855.56 -2.74 148.18 203.42 60.22 21 55 41 3255.6 -6.68 141.61
 110.00 4 54 31 2265.69 -33.68 41.42 210.13 96.20 5 32 16 1665.7 -32.46 32.40
 110.00 21 29 28 3736.31 .52 137.11 201.38 55.82 22 31 44 3136.3 -3.97 130.90

DIFFERENTIAL CORRECTIONS

TDE 1.8895 TRA .0616 TC3-5.6952 BAU 1.1798
 RDE .2107 RRA -.0760 RC3 .2336 FAU .03424
 FDE .8364 FRA .5664 FC3-1.9146 BSP 16890
 BDE 1.9012 BRA .0979 BC3 5.6999 FSP -619

MID-COURSE EXECUTION ACCURACY

SGT 5259.8 SGR 376.8 SG3 184.0
 RRT .0044 RRF -.0103 RTF .9096
 SGB 5273.3 R23 -.0144 R13 .9096
 SG1 5259.8 SG2 376.8 THA .02

ORBIT DETERMINATION ACCURACY

ST 2754.8 SR 308.9 SS 727.2
 CRT .9899 CRS -.9446 CST -.9792
 LSA 2861.9 MSA 148.8 SSA 21.6
 EL1 2771.7 EL2 43.6 ALF 6.33

LAUNCH DATE DEC 17 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 507.059

RL 147.21 LAL -0.00 LOL 84.85 VL 26.699 GAL .29 AZL 86.48 MCA 251.81 SMA 121.73 ECC .20939 INC 3.5216 V1 30.264
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.713 GAP 10.47 AZP 91.10 TAL 178.92 TAP 70.73 RCA 96.24 APO 147.22 V2 34.808
 RC 172.148 GL 24.33 GP -2.75 ZAL 85.92 ZAP 168.87 ETS 345.94 ZAE 130.20 ETE 182.43 ZAC 82.97 ETC 165.36 CLP-169.21

PLANETOCENTRIC CONIC

C3 15.844 VHL 3.980 DLA 21.94 RAL 349.20 RAD 6567.6 VEL 11.714 PTH 2.06 VHP 6.907 DPA -10.61 RAP 350.87 ECC 1.2608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 28 2923.79 -28.27 90.87 214.44 88.28 2 32 11 2323.8 -28.21 82.21
 90.00 20 7 35 4040.67 -5.08 163.07 208.09 62.11 21 14 56 3440.7 -8.78 156.34
 100.00 3 20 21 2611.39 -29.89 67.92 214.47 90.12 4 3 52 2011.4 -29.56 59.13
 100.00 21 13 23 3828.31 -3.66 146.68 207.31 60.31 22 17 11 3228.3 -7.59 140.09
 110.00 5 0 57 2296.65 -33.89 43.81 214.27 94.79 5 39 13 1696.7 -32.85 34.73
 110.00 21 49 16 3715.81 -.27 136.04 205.19 55.82 22 51 12 3115.8 -4.75 129.82

DIFFERENTIAL CORRECTIONS

TDE 1.9672 TRA .2573 TC3-5.6106 BAU 1.1894
 RDE .2215 RRA -.0808 RC3 .2218 FAU .03189
 FDE .8247 FRA .6215 FC3-1.7426 BSP 16995
 BDE 1.9797 BRA .2697 BC3 5.6150 FSP -594

MID-COURSE EXECUTION ACCURACY

SGT 5303.6 SGR 385.4 SG3 178.4
 RRT .0314 RRF .0158 RTF .9079
 SGB 5317.6 R23 -.0128 R13 .9079
 SG1 5303.6 SG2 385.3 THA .13

ORBIT DETERMINATION ACCURACY

ST 2837.4 SR 321.1 SS 729.5
 CRT .9853 CRS -.9359 CST -.9806
 LSA 2943.3 MSA 148.6 SSA 21.7
 EL1 2854.9 EL2 54.6 ALF 6.36

LAUNCH DATE DEC 17 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 512.695

RL 147.21 LAL -0.00 LOL 84.85 VL 26.650 GAL .77 AZL 86.51 MCA 254.98 SMA 121.44 ECC .21259 INC 3.4915 V1 30.264
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.683 GAP 10.73 AZP 90.91 TAL 177.14 TAP 72.12 RCA 95.63 APO 147.26 V2 34.814
 RC 174.239 GL 23.68 GP -2.63 ZAL 82.78 ZAP 169.69 ETS 345.56 ZAE 130.24 ETE 182.34 ZAC 85.21 ETC 165.68 CLP-170.03

PLANETOCENTRIC CONIC

C3 16.326 VHL 4.040 DLA 22.70 RAL 352.55 RAD 6567.7 VEL 11.735 PTH 2.07 VMP 7.073 DPA -9.58 RAP 353.02 ECC 1.2687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 42 2966.76 -28.14 94.01 218.57 86.71 2 36 9 2366.8 -28.30 85.35
 90.00 20 31 2 4011.31 -6.02 161.42 212.20 62.28 21 37 54 3411.3 -9.68 154.66
 100.00 3 24 56 2650.04 -29.86 70.79 218.65 88.61 4 9 6 2050.0 -29.74 61.99
 100.00 21 35 30 3803.27 -4.50 145.30 211.37 60.42 22 38 53 3203.3 -8.41 138.69
 110.00 5 7 47 2328.27 -34.04 46.27 218.57 93.35 5 46 35 1728.3 -33.20 37.13
 110.00 22 9 8 3697.80 -9.96 135.10 209.16 55.83 23 10 46 3097.8 -5.43 128.88

DIFFERENTIAL CORRECTIONS

TOE 2.0455 TRA .4585 TC3-5.4979 BAU 1.2008
 ROE .2334 RRA -.0848 RC3 .2072 FAU .03005
 FDE .8121 FRA .6662 FC3-1.5936 BSP 17133
 BOE 2.0588 BRA .4663 BC3 5.5018 FSP -577

MID-COURSE EXECUTION ACCURACY

SGT 5352.5 SGR 393.2 SG3 173.5
 RRT .0589 RRF .0404 RTF .9101
 SGB 5366.9 R23 -.0136 R13 .9101
 SG1 5352.6 SG2 392.5 TMA .25

ORBIT DETERMINATION ACCURACY

ST 2911.4 SR 333.3 SS 728.7
 CRT .9801 CRS -.9282 CST -.9823
 LSA 3015.9 MSA 147.8 SSA 21.6
 EL1 2929.6 EL2 65.8 ALF 6.40

LAUNCH DATE DEC 17 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 518.306

RL 147.21 LAL -0.00 LOL 84.85 VL 26.603 GAL 1.27 AZL 86.54 MCA 258.14 SMA 121.16 ECC .21609 INC 3.4622 V1 30.264
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.655 GAP 11.05 AZP 90.71 TAL 175.37 TAP 73.51 RCA 94.98 APO 147.34 V2 34.821
 RC 176.312 GL 22.97 GP -2.53 ZAL 79.62 ZAP 170.49 ETS 345.04 ZAE 130.29 ETE 182.27 ZAC 87.47 ETC 165.97 CLP-170.83

PLANETOCENTRIC CONIC

C3 16.939 VHL 4.116 DLA 23.40 RAL 355.93 RAD 6567.7 VEL 11.761 PTH 2.08 VMP 7.249 DPA -8.53 RAP 355.16 ECC 1.2788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 13 3010.60 -27.93 97.20 222.83 85.12 2 40 24 2410.6 -28.31 88.56
 90.00 20 54 32 3984.38 -6.87 159.90 216.45 62.46 22 0 57 3384.4 -10.50 153.10
 100.00 3 29 54 2689.21 -29.76 73.70 222.97 87.08 4 14 43 2089.2 -29.85 64.89
 100.00 21 57 33 3781.00 -5.25 144.07 215.57 60.53 23 0 34 3181.0 -9.14 137.44
 110.00 5 15 3 2360.23 -34.14 48.76 223.02 91.87 5 54 23 1760.2 -33.50 39.57
 110.00 22 28 53 3682.75 -1.53 134.31 213.26 55.85 23 30 16 3082.7 -6.00 128.08

DIFFERENTIAL CORRECTIONS

TOE 2.1208 TRA .6699 TC3-5.3488 BAU 1.2120
 ROE .2464 RRA -.0878 RC3 .1909 FAU .02825
 FDE .7987 FRA .7105 FC3-1.4436 BSP 17326
 BOE 2.1351 BRA .6756 BC3 5.3523 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 5397.6 SGR 400.1 SG3 168.6
 RRT .0858 RRF .0655 RTF .9121
 SGB 5412.4 R23 -.0133 R13 .9121
 SG1 5397.7 SG2 398.6 TMA .37

ORBIT DETERMINATION ACCURACY

ST 2971.1 SR 345.3 SS 725.5
 CRT .9745 CRS -.9205 CST -.9838
 LSA 3074.2 MSA 148.4 SSA 21.3
 EL1 2990.1 EL2 77.0 ALF 6.47

LAUNCH DATE DEC 17 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 523.891

RL 147.21 LAL -0.00 LOL 84.85 VL 26.556 GAL 1.80 AZL 86.57 MCA 261.31 SMA 120.89 ECC .21991 INC 3.4337 V1 30.264
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.628 GAP 11.35 AZP 90.52 TAL 173.59 TAP 74.90 RCA 94.30 APO 147.47 V2 34.828
 RC 178.366 GL 22.20 GP -2.44 ZAL 76.48 ZAP 171.28 ETS 344.35 ZAE 130.35 ETE 182.22 ZAC 89.75 ETC 166.23 CLP-171.62

PLANETOCENTRIC CONIC

C3 17.698 VHL 4.207 DLA 24.04 RAL 359.34 RAD 6567.7 VEL 11.793 PTH 2.09 VMP 7.434 DPA -7.49 RAP 357.31 ECC 1.2913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 5 3054.83 -27.63 100.40 227.18 83.55 2 45 0 2454.8 -28.24 91.79
 90.00 21 17 51 3980.44 -7.62 158.54 220.84 62.64 22 23 52 3360.4 -11.22 151.72
 100.00 3 35 19 2728.47 -29.59 76.60 227.40 85.56 4 20 47 2128.5 -29.89 67.81
 100.00 22 19 19 3762.03 -5.88 143.02 219.90 60.64 23 22 1 3162.0 -9.75 136.37
 110.00 5 22 48 2392.21 -34.18 51.26 227.59 90.40 6 2 40 1792.2 -33.75 42.04
 110.00 22 48 20 3671.06 -1.98 133.70 217.48 55.87 23 49 31 3071.1 -6.44 127.47

DIFFERENTIAL CORRECTIONS

TOE 2.1989 TRA .8963 TC3-5.1532 BAU 1.2200
 ROE .2605 RRA -.0894 RC3 .1735 FAU .02639
 FDE .7871 FRA .7554 FC3-1.2907 BSP 17422
 BOE 2.2143 BRA .9008 BC3 5.1561 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 5436.4 SGR 406.2 SG3 163.9
 RRT .1139 RRF .0929 RTF .9140
 SGB 5451.6 R23 -.0118 R13 .9140
 SG1 5436.6 SG2 403.6 TMA .49

ORBIT DETERMINATION ACCURACY

ST 3024.3 SR 357.1 SS 722.2
 CRT .9685 CRS -.9132 CST -.9851
 LSA 3126.1 MSA 150.0 SSA 20.8
 EL1 3044.0 EL2 88.3 ALF 6.53

LAUNCH DATE DEC 17 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 529.445

RL 147.21 LAL -0.00 LOL 84.85 VL 26.509 GAL 2.35 AZL 86.59 MCA 264.48 SMA 120.62 ECC .22409 INC 3.4056 V1 30.264
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.602 GAP 11.68 AZP 90.33 TAL 171.81 TAP 76.29 RCA 93.59 APO 147.65 V2 34.836
 RC 180.400 GL 21.38 GP -2.36 ZAL 73.36 ZAP 172.06 ETS 343.47 ZAE 130.41 ETE 182.17 ZAC 92.04 ETC 166.46 CLP-172.41

PLANETOCENTRIC CONIC

C3 18.622 VHL 4.315 DLA 24.60 RAL 2.75 RAD 6567.8 VEL 11.832 PTH 2.10 VMP 7.630 DPA -6.44 RAP 359.47 ECC 1.3065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 25 3098.93 -27.25 103.57 231.62 82.00 2 50 4 2498.9 -28.08 95.01
 90.00 21 40 43 3940.12 -8.25 157.38 225.33 62.82 22 46 23 3340.1 -11.83 150.53
 100.00 3 41 15 2767.37 -29.35 79.47 231.91 84.07 4 27 22 2167.4 -29.86 70.70
 100.00 22 40 34 3746.92 -6.39 142.18 224.32 60.74 23 43 1 3146.9 -10.24 135.51
 110.00 5 31 1 2423.93 -34.17 53.73 232.26 88.93 6 11 25 1823.9 -33.94 44.50
 110.00 23 7 17 3663.12 -2.28 133.29 221.78 55.88 24 8 20 3063.1 -6.74 127.05

DIFFERENTIAL CORRECTIONS

TOE 2.2710 TRA 1.1316 TC3-4.9338 BAU 1.2289
 ROE .2758 RRA -.0899 RC3 .1551 FAU .02471
 FDE .7728 FRA .7976 FC3-1.1487 BSP 17590
 BOE 2.2877 BRA 1.1351 BC3 4.9362 FSP -533

MID-COURSE EXECUTION ACCURACY

SGT 5473.0 SGR 411.4 SG3 159.1
 RRT .1409 RRF .1190 RTF .9166
 SGB 5488.5 R23 -.0110 R13 .9166
 SG1 5473.4 SG2 407.3 TMA .61

ORBIT DETERMINATION ACCURACY

ST 3058.4 SR 368.4 SS 714.8
 CRT .9624 CRS -.9060 CST -.9863
 LSA 3158.6 MSA 152.5 SSA 20.2
 EL1 3078.9 EL2 99.4 ALF 6.62

LAUNCH DATE DEC 17 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 534.965

RL 147.21 LAL -0.00 LOL 84.85 VL 26.463 GAL 2.92 AZL 86.62 HCA 267.65 SMA 120.35 ECC .22866 INC 3.3778 V1 30.264
 RP 108.76 LAP -3.37 LOP 362.49 VP 36.577 GAP 12.03 AZP 90.14 TAL 170.04 TAP 77.69 RCA 92.83 APO 147.87 V2 34.845
 RC 182.414 GL 20.52 GP -2.28 ZAL 70.28 ZAP 172.82 ETS 342.33 ZAE 130.47 ETE 182.13 ZAC 94.33 ETC 166.66 CLP-173.19

PLANETOCENTRIC CONIC

C3 19.731 VHL 4.442 DLA 25.09 RAL 6.14 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 7.839 DPA -5.39 RAP 1.63 ECC 1.3247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 18 3142.31 -26.80 106.67 236.12 80.51 2 55 40 2542.3 -27.84 98.16
 90.00 22 2 52 3924.05 -8.75 156.46 229.90 62.96 23 8 16 3324.1 -12.31 149.59
 100.00 3 47 48 2805.42 -29.05 82.26 236.50 82.63 4 34 33 2205.4 -29.77 73.53
 100.00 23 1 4 3736.17 -6.75 141.58 228.82 60.81 24 3 20 3136.2 -10.59 134.90
 110.00 5 39 46 2455.11 -34.10 56.17 237.01 87.49 6 20 41 1855.1 -34.07 46.92
 110.00 23 25 35 3659.25 -2.43 133.09 226.15 55.89 24 26 34 3059.2 -6.89 126.84

DIFFERENTIAL CORRECTIONS

TDE 2.3406 TRA 1.3801 TC3-4.6851 BAU 1.2364
 RDE .2923 RRA -.0889 RC3 .1365 FAU .02307
 FDE .7585 FRA .8403 FC3-1.0120 BSP 17748
 BDE 2.3588 BRA 1.3829 BC3 4.6871 FSP -519

MID-COURSE EXECUTION ACCURACY

SGT 5504.8 SGR 415.8 SG3 154.5
 RRT .1680 RRF .1456 RTF .9192
 SGB 5520.4 R23 -.0098 R13 .9192
 SG1 5505.2 SG2 409.9 THA .73

ORBIT DETERMINATION ACCURACY

ST 3078.7 SR 379.0 SS 706.1
 CRT .9561 CRS -.8989 CST -.9873
 LSA 3177.4 MSA 156.1 SSA 19.5
 EL1 3100.0 EL2 110.3 ALF 6.72

LAUNCH DATE DEC 17 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 540.446

RL 147.21 LAL -0.00 LOL 84.85 VL 26.418 GAL 3.52 AZL 86.65 HCA 270.82 SMA 120.09 ECC .23366 INC 3.3501 V1 30.264
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.553 GAP 12.39 AZP 89.95 TAL 168.27 TAP 79.10 RCA 92.03 APO 148.15 V2 34.854
 RC 184.407 GL 19.62 GP -2.21 ZAL 67.26 ZAP 173.58 ETS 340.84 ZAE 130.53 ETE 182.10 ZAC 96.64 ETC 166.83 CLP-173.97

PLANETOCENTRIC CONIC

C3 21.048 VHL 4.588 DLA 25.51 RAL 9.49 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 8.062 DPA -4.34 RAP 3.79 ECC 1.3464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 53 3184.33 -26.30 109.64 240.67 79.10 3 1 57 2584.3 -27.54 101.19
 90.00 22 24 1 3912.89 -9.09 155.83 234.51 63.07 23 29 14 3312.9 -12.64 148.94
 100.00 3 55 0 2842.20 -28.70 84.94 241.14 81.26 4 42 23 2242.2 -29.61 76.25
 100.00 23 20 34 3730.26 -6.94 141.25 233.36 60.85 24 22 45 3130.3 -10.78 134.56
 110.00 5 49 0 2485.54 -33.99 58.54 241.83 86.09 6 30 26 1885.5 -34.15 49.30
 110.00 23 43 4 3659.68 -2.41 133.11 230.56 55.89 24 44 4 3059.7 -6.87 126.86

DIFFERENTIAL CORRECTIONS

TDE 2.4077 TRA 1.6436 TC3-4.4127 BAU 1.2421
 RDE .3099 RRA -.0864 RC3 .1182 FAU .02148
 FDE .7441 FRA .8833 FC3 -.8835 BSP 17890
 BDE 2.4275 BRA 1.6458 BC3 4.4143 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 5532.4 SGR 419.3 SG3 150.0
 RRT .1952 RRF .1726 RTF .9220
 SGB 5548.3 R23 -.0086 R13 .9220
 SG1 5533.0 SG2 411.2 THA .85

ORBIT DETERMINATION ACCURACY

ST 3085.7 SR 388.7 SS 696.1
 CRT .9495 CRS -.8919 CST -.9883
 LSA 3182.9 MSA 160.4 SSA 18.8
 EL1 3107.7 EL2 121.0 ALF 6.83

LAUNCH DATE DEC 17 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 545.884

RL 147.21 LAL -0.00 LOL 84.85 VL 26.373 GAL 4.16 AZL 86.68 HCA 274.00 SMA 119.83 ECC .23911 INC 3.3223 V1 30.264
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.529 GAP 12.78 AZP 89.77 TAL 166.52 TAP 80.51 RCA 91.18 APO 148.49 V2 34.863
 RC 186.379 GL 18.70 GP -2.15 ZAL 64.31 ZAP 174.32 ETS 338.87 ZAE 130.60 ETE 182.07 ZAC 98.95 ETC 166.97 CLP-174.74

PLANETOCENTRIC CONIC

C3 22.602 VHL 4.754 DLA 25.84 RAL 12.78 RAD 6567.9 VEL 11.999 PTH 2.14 VHP 8.300 DPA -3.29 RAP 5.95 ECC 1.3720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 18 3224.36 -25.75 112.45 245.25 77.80 3 9 2 2624.4 -27.18 104.07
 90.00 22 43 52 3907.28 -9.27 155.50 239.14 63.12 23 48 59 3307.3 -12.80 148.61
 100.00 4 2 57 2877.29 -28.31 87.47 245.82 79.98 4 50 54 2277.3 -29.40 78.84
 100.00 23 38 53 3729.58 -6.96 141.21 237.91 60.86 24 41 3 3129.6 -10.80 134.52
 110.00 5 58 43 2515.06 -33.83 60.83 246.68 84.75 6 40 39 1915.1 -34.18 51.60
 110.00 0 3 32 3664.57 -2.23 133.37 234.98 55.88 1 4 37 3064.6 -6.69 127.12

DIFFERENTIAL CORRECTIONS

TDE 2.4748 TRA 1.9246 TC3-4.1170 BAU 1.2444
 RDE .3286 RRA -.0822 RC3 .1006 FAU .01986
 FDE .7314 FRA .9280 FC3 -.7607 BSP 17947
 BDE 2.4965 BRA 1.9264 BC3 4.1182 FSP -490

MID-COURSE EXECUTION ACCURACY

SGT 5555.3 SGR 422.0 SG3 145.7
 RRT .2230 RRF .2009 RTF .9246
 SGB 5571.3 R23 -.0066 R13 .9246
 SG1 5556.1 SG2 411.3 THA .98

ORBIT DETERMINATION ACCURACY

ST 3083.4 SR 397.4 SS 686.5
 CRT .9428 CRS -.8850 CST -.9892
 LSA 3179.5 MSA 165.3 SSA 18.0
 EL1 3106.1 EL2 131.5 ALF 6.94

LAUNCH DATE DEC 17 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 551.270

RL 147.21 LAL -0.00 LOL 84.85 VL 26.329 GAL 4.82 AZL 86.71 HCA 277.17 SMA 119.58 ECC .24509 INC 3.2943 V1 30.264
 RP 108.67 LAP -3.27 LOP 36.507 GAP 13.20 AZP 89.59 TAL 164.77 TAP 81.94 RCA 90.27 APO 148.89 V2 34.873
 RC 188.330 GL 17.76 GP -2.09 ZAL 61.45 ZAP 175.05 ETS 336.21 ZAE 130.66 ETE 182.05 ZAC 101.26 ETC 167.08 CLP-175.52

PLANETOCENTRIC CONIC

C3 24.425 VHL 4.942 DLA 26.09 RAL 16.00 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 8.555 DPA -2.24 RAP 8.11 ECC 1.4020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 41 3261.72 -25.19 115.04 249.85 76.62 3 17 3 2661.7 -26.78 106.73
 90.00 23 2 8 3907.82 -9.25 155.54 243.76 63.12 24 7 16 3307.8 -12.79 148.64
 100.00 4 11 40 2910.36 -27.90 89.84 250.51 78.80 5 0 11 2310.4 -29.16 81.27
 100.00 23 55 50 3734.42 -6.80 141.48 242.44 60.82 24 58 4 3134.4 -10.64 134.80
 110.00 6 8 54 2543.56 -33.63 63.03 251.55 83.46 6 51 18 1943.6 -34.17 53.83
 110.00 0 19 1 3673.98 -1.87 133.86 239.39 55.86 1 20 15 3074.0 -6.33 127.62

DIFFERENTIAL CORRECTIONS

TDE 2.5355 TRA 2.2183 TC3-3.8159 BAU 1.2464
 RDE .3482 RRA -.0765 RC3 .0839 FAU .01837
 FDE .7174 FRA .9719 FC3 -.6511 BSP 18065
 BDE 2.5593 BRA 2.2196 BC3 3.8169 FSP -478

MID-COURSE EXECUTION ACCURACY

SGT 5573.8 SGR 423.8 SG3 141.4
 RRT .2502 RRF .2284 RTF .9277
 SGB 5589.9 R23 -.0051 R13 .9277
 SG1 5574.8 SG2 410.2 THA 1.10

ORBIT DETERMINATION ACCURACY

ST 3064.5 SR 404.7 SS 674.9
 CRT .9359 CRS -.8781 CST -.9900
 LSA 3159.3 MSA 170.5 SSA 17.3
 EL1 3087.9 EL2 141.5 ALF 7.06

LAUNCH DATE DEC 17 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 26.286 GAL 5.52 AZL 86.73 MCA 280.35 SMA 119.34 ECC .25163 INC 3.2659 VI 30.264
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.486 GAP 13.65 AZP 89.41 TAL 163.04 TAP 83.39 RCA 89.31 APO 149.36 V2 34.884
 RC 190.259 GL 16.81 GP -2.04 ZAL 58.68 ZAP 175.77 ETS 332.53 ZAE 130.71 ETE 182.04 ZAC 103.58 ETC 167.16 CLP-176.29

PLANETOCENTRIC CONIC
 C3 26.559 VML 5.154 DLA 26.27 RAL 19.12 RAD 6568.1 VEL 12.163 PTH 2.18 VMP 8.829 DPA -1.20 RAP 10.28 ECC 1.4371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 8 3295.91 -24.63 117.39 254.46 75.57 3 26 4 2695.9 -26.37 109.15
 90.00 23 18 36 3914.99 -9.03 155.95 248.33 63.05 24 23 51 3315.0 -12.58 149.06
 100.00 4 21 10 2941.19 -27.47 92.04 255.21 77.72 5 10 11 2341.2 -28.88 83.52
 100.00 0 15 11 3744.94 -6.45 142.07 246.94 60.75 1 17 36 3144.9 -10.31 135.40
 110.00 6 19 29 2571.00 -33.39 65.14 256.42 82.23 7 2 20 1971.0 -34.11 55.97
 110.00 0 33 22 3687.89 -1.33 134.58 243.77 55.84 1 34 50 3087.9 -5.81 128.35

MID-COURSE EXECUTION ACCURACY
 SGT 5587.8 SGR 424.6 SG3 137.3
 RRT .2773 RRF .2559 RTF .9309
 SGB 5603.9 R23 -.0037 R13 .9309
 SGI 5589.0 SG2 407.9 THA 1.21

ORBIT DETERMINATION ACCURACY
 ST 3034.5 SR 410.7 SS 663.1
 CRT .9286 CRS -.8711 CST -.9908
 LSA 3128.1 MSA 176.0 SSA 16.5
 EL1 3058.4 EL2 151.2 ALF 7.18

DIFFERENTIAL CORRECTIONS
 TDE 2.5931 TRA 2.5290 TC3-3.5089 BAU 1.2462
 RDE .3687 RRA -.0690 RC3 .0685 FAU .01693
 FDE .7038 FRA 1.0168 FC3 -.5518 BSP 18174
 BDE 2.6192 BRA 2.5299 BC3 3.5096 FSP -466

LAUNCH DATE DEC 17 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 26.243 GAL 6.26 AZL 86.76 MCA 283.53 SMA 119.10 ECC .25880 INC 3.2369 VI 30.264
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.466 GAP 14.14 AZP 89.24 TAL 161.33 TAP 84.86 RCA 88.27 APO 149.92 V2 34.895
 RC 192.167 GL 15.86 GP -1.99 ZAL 56.01 ZAP 176.46 ETS 327.23 ZAE 130.76 ETE 182.02 ZAC 105.89 ETC 167.21 CLP-177.08

PLANETOCENTRIC CONIC
 C3 29.051 VML 5.390 DLA 26.38 RAL 22.14 RAD 6568.2 VEL 12.265 PTH 2.21 VMP 9.125 DPA -.16 RAP 12.44 ECC 1.4781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 42 3326.55 -24.09 119.47 259.07 74.65 3 36 9 2726.6 -25.97 111.30
 90.00 23 33 7 3929.02 -8.60 156.75 252.83 62.92 24 38 36 3329.0 -12.16 149.88
 100.00 4 31 25 2969.67 -27.04 94.04 259.91 76.75 5 20 54 2369.7 -28.60 85.59
 100.00 0 29 2 3761.13 -5.91 142.97 251.38 60.65 1 31 43 3161.1 -9.78 136.32
 110.00 6 30 23 2597.39 -33.13 67.15 261.29 81.07 7 13 41 1997.4 -34.01 58.02
 110.00 0 46 33 3706.18 -.64 135.54 248.11 55.82 1 48 19 3106.2 -5.12 129.32

MID-COURSE EXECUTION ACCURACY
 SGT 5597.7 SGR 424.6 SG3 133.3
 RRT .3045 RRF .2836 RTF .9343
 SGB 5613.8 R23 -.0025 R13 .9343
 SGI 5599.2 SG2 404.3 THA 1.33

ORBIT DETERMINATION ACCURACY
 ST 2995.4 SR 415.0 SS 651.5
 CRT .9212 CRS -.8641 CST -.9916
 LSA 3088.0 MSA 181.6 SSA 15.8
 EL1 3019.7 EL2 160.2 ALF 7.29

DIFFERENTIAL CORRECTIONS
 TDE 2.6485 TRA 2.8582 TC3-3.2009 BAU 1.2434
 RDE .3899 RRA -.0596 RC3 .0547 FAU .01554
 FDE .6909 FRA 1.0633 FC3 -.4630 BSP 18266
 BDE 2.6770 BRA 2.8588 BC3 3.2014 FSP -454

LAUNCH DATE DEC 17 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 26.201 GAL 7.05 AZL 86.79 MCA 286.71 SMA 118.86 ECC .26668 INC 3.2071 VI 30.264
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.446 GAP 14.67 AZP 89.08 TAL 159.64 TAP 86.35 RCA 87.16 APO 150.56 V2 34.906
 RC 194.054 GL 14.91 GP -1.95 ZAL 53.45 ZAP 177.11 ETS 319.25 ZAE 130.80 ETE 182.02 ZAC 108.20 ETC 167.22 CLP-177.86

PLANETOCENTRIC CONIC
 C3 31.959 VML 5.653 DLA 26.42 RAL 25.04 RAD 6568.3 VEL 12.383 PTH 2.24 VMP 9.446 DPA .86 RAP 14.60 ECC 1.5260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 23 3353.56 -23.59 121.29 263.68 73.87 3 47 16 2753.6 -25.58 113.19
 90.00 23 45 37 3949.89 -7.95 157.94 257.24 62.73 24 51 27 3349.9 -11.54 151.10
 100.00 4 42 20 2995.86 -26.62 95.88 264.59 75.87 5 32 16 2395.9 -28.30 87.48
 100.00 0 41 17 3782.82 -5.19 144.17 255.74 60.52 1 44 20 3182.8 -9.08 137.54
 110.00 6 41 34 2622.80 -32.85 69.08 266.12 79.96 7 25 17 2022.8 -33.88 60.00
 110.00 0 58 33 3728.64 .22 136.71 252.38 55.82 2 0 41 3128.6 -4.26 130.50

MID-COURSE EXECUTION ACCURACY
 SGT 5604.4 SGR 423.8 SG3 129.5
 RRT .3322 RRF .3122 RTF .9377
 SGB 5620.4 R23 -.0010 R13 .9377
 SGI 5606.2 SG2 399.6 THA 1.45

ORBIT DETERMINATION ACCURACY
 ST 2952.0 SR 417.8 SS 641.6
 CRT .9134 CRS -.8573 CST -.9923
 LSA 3045.9 MSA 186.9 SSA 15.1
 EL1 2976.7 EL2 168.6 ALF 7.39

DIFFERENTIAL CORRECTIONS
 TDE 2.7051 TRA 3.2109 TC3-2.8916 BAU 1.2356
 RDE .4119 RRA -.0482 RC3 .0426 FAU .01411
 FDE .6801 FRA 1.1127 FC3 -.3823 BSP 18266
 BDE 2.7362 BRA 3.2113 BC3 2.8919 FSP -439

LAUNCH DATE DEC 17 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC
 RL 147.21 LAL -.00 LOL 84.85 VL 26.159 GAL 7.89 AZL 86.82 MCA 289.90 SMA 118.63 ECC .27534 INC 3.1763 VI 30.264
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.428 GAP 15.24 AZP 88.92 TAL 157.98 TAP 87.88 RCA 85.97 APO 151.29 V2 34.918
 RC 195.918 GL 13.97 GP -1.91 ZAL 51.00 ZAP 177.67 ETS 306.77 ZAE 130.82 ETE 182.01 ZAC 110.50 ETC 167.21 CLP-178.66

PLANETOCENTRIC CONIC
 C3 35.352 VML 5.946 DLA 26.39 RAL 27.82 RAD 6568.4 VEL 12.519 PTH 2.27 VMP 9.794 DPA 1.88 RAP 16.76 ECC 1.5816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 3 3 3377.07 -23.14 122.87 268.28 73.21 3 59 20 2777.1 -25.22 114.81
 90.00 0 0 4 3977.27 -7.09 159.49 261.54 62.51 1 6 21 3377.3 -10.72 152.69
 100.00 4 53 50 3019.89 -26.21 97.54 269.24 75.08 5 44 10 2419.9 -28.00 89.20
 100.00 0 51 57 3809.69 -4.29 145.65 260.01 60.39 1 55 27 3209.7 -8.20 139.05
 110.00 6 52 55 2647.32 -32.54 70.93 270.91 78.90 7 37 2 2047.3 -33.73 61.89
 110.00 1 9 22 3755.02 1.23 138.08 256.58 55.84 2 11 57 3155.0 -3.26 131.88

MID-COURSE EXECUTION ACCURACY
 SGT 5604.8 SGR 422.0 SG3 125.8
 RRT .3592 RRF .3397 RTF .9414
 SGB 5620.7 R23 -.0002 R13 .9414
 SGI 5606.9 SG2 393.7 THA 1.56

ORBIT DETERMINATION ACCURACY
 ST 2897.9 SR 418.7 SS 631.1
 CRT .9054 CRS -.8502 CST -.9930
 LSA 2989.0 MSA 192.0 SSA 14.4
 EL1 2922.6 EL2 176.3 ALF 7.48

DIFFERENTIAL CORRECTIONS
 TDE 2.7561 TRA 3.5808 TC3-2.5949 BAU 1.2265
 RDE .4344 RRA -.0348 RC3 .0321 FAU .01281
 FDE .6688 FRA 1.1626 FC3 -.3136 BSP 18348
 BDE 2.7901 BRA 3.5809 BC3 2.5951 FSP -428

LAUNCH DATE DEC 17 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 577.105

RL 147.21 LAL -0.00 LOL 84.85 VL 26.119 GAL 8.79 AZL 86.86 MCA 293.09 SMA 118.40 ECC .28489 INC 3.1442 V1 30.264
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.410 GAP 15.86 AZP 88.77 TAL 156.35 TAP 89.44 RCA 84.67 APO 152.14 V2 34.930
 RC 197.761 GL 13.05 GP -1.87 ZAL 48.67 ZAP 178.06 ETS 287.55 ZAE 130.84 ETE 182.01 ZAC 112.79 ETC 167.15 CLP -179.47

PLANETOCENTRIC CONIC

C3 39.316 VHL 6.270 DLA 26.31 RAL 30.47 RAD 6568.5 VEL 12.676 PTH 2.30 VHP 10.174 DPA 2.88 RAP 18.92 ECC 1.6470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 31 3397.48 -22.73 124.22 272.85 72.65 4 12 9 2797.5 -24.89 116.22
 90.00 0 8 42 4010.57 -6.04 161.38 265.73 62.28 1 15 33 3410.6 -9.70 154.61
 100.00 5 5 48 3041.99 -25.81 99.07 273.85 74.38 5 56 30 2442.0 -27.71 90.78
 100.00 1 1 7 3841.30 -3.22 147.40 264.18 60.27 2 5 9 3241.3 -7.16 140.82
 110.00 7 4 21 2671.05 -32.22 72.70 275.65 77.90 7 48 52 2071.0 -33.55 63.72
 110.00 1 19 4 3785.00 2.38 139.65 260.70 55.89 2 22 9 3185.0 -2.11 133.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8077 TRA 3.9751 TC3-2.3078 BAU 1.2131 SGT 5601.5 SGR 419.3 SG3 122.2 ST 2840.3 SR 417.9 SS 622.0
 RDE .4572 RRA -.0193 RC3 .0233 FAU .01153 RRT .3864 RRF .3675 RTF .9453 CRT .8970 CRS -.8433 CST -.9937
 FDE .6589 FRA 1.2155 FC3 -.2538 BSP 18403 SGB 5617.2 R23 .0005 R13 .9453 LSA 2930.9 MSA 196.6 SSA 13.7
 BDE 2.8447 BRA 3.9752 BC3 2.3079 FSP -416 SGI 5603.9 SG2 386.6 THA 1.66 EL1 2865.0 EL2 183.1 ALF 7.55

LAUNCH DATE DEC 17 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 581.952

RL 147.21 LAL -0.00 LOL 84.85 VL 26.079 GAL 9.75 AZL 86.89 MCA 296.27 SMA 118.18 ECC .29543 INC 3.1105 V1 30.264
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.393 GAP 16.54 AZP 88.62 TAL 154.77 TAP 91.04 RCA 83.27 APO 153.10 V2 34.942
 RC 199.580 GL 12.14 GP -1.83 ZAL 46.46 ZAP 178.14 ETS 262.57 ZAE 130.83 ETE 182.00 ZAC 115.06 ETC 167.07 CLP 179.70

PLANETOCENTRIC CONIC

C3 43.957 VHL 6.630 DLA 26.18 RAL 32.98 RAD 6568.7 VEL 12.858 PTH 2.34 VHP 10.590 DPA 3.87 RAP 21.06 ECC 1.7234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 36 3415.32 -22.37 125.40 277.38 72.17 4 25 31 2815.3 -24.60 117.44
 90.00 0 15 39 4049.02 -4.82 163.54 269.80 62.06 1 23 8 3449.0 -8.52 156.82
 100.00 5 18 3 3062.44 -25.43 100.47 278.41 73.73 6 9 6 2462.4 -27.42 92.23
 100.00 1 8 53 3877.14 -2.01 149.37 268.25 60.17 2 13 30 3277.1 -5.97 142.81
 110.00 7 15 47 2694.09 -31.87 74.41 280.33 76.94 8 0 41 2094.1 -33.34 65.49
 110.00 1 27 39 3818.25 3.65 141.39 264.73 55.99 2 31 17 3218.3 -.84 135.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8592 TRA 4.3958 TC3-2.0337 BAU 1.1952 SGT 5594.2 SGR 415.7 SG3 118.7 ST 2779.3 SR 415.2 SS 614.4
 RDE .4804 RRA -.0017 RC3 .0161 FAU .01027 RRT .4135 RRF .3952 RTF .9493 CRT .8885 CRS -.8364 CST -.9944
 FDE .6504 FRA 1.2715 FC3 -.2022 BSP 18442 SGB 5609.6 R23 .0010 R13 .9493 LSA 2869.5 MSA 200.5 SSA 13.1
 BDE 2.8993 BRA 4.3958 BC3 2.0337 FSP -405 SGI 5596.8 SG2 378.4 THA 1.77 EL1 2803.8 EL2 188.9 ALF 7.60

LAUNCH DATE DEC 17 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 586.642

RL 147.21 LAL -0.00 LOL 84.85 VL 26.040 GAL 10.79 AZL 86.93 MCA 299.46 SMA 117.97 ECC .30711 INC 3.0748 V1 30.264
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.377 GAP 17.29 AZP 88.49 TAL 153.24 TAP 92.70 RCA 81.74 APO 154.20 V2 34.955
 RC 201.376 GL 11.26 GP -1.80 ZAL 44.38 ZAP 177.86 ETS 239.44 ZAE 130.80 ETE 182.00 ZAC 117.31 ETC 166.94 CLP 178.85

PLANETOCENTRIC CONIC

C3 49.406 VHL 7.029 DLA 25.99 RAL 35.35 RAD 6568.8 VEL 13.068 PTH 2.38 VHP 11.047 DPA 4.83 RAP 23.20 ECC 1.8131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 2 3431.13 -22.03 126.44 281.86 71.75 4 39 13 2831.1 -24.32 118.52
 90.00 0 21 6 4091.81 -3.45 165.94 273.74 61.88 1 29 18 3491.8 -7.18 159.25
 100.00 5 30 29 3081.51 -25.06 101.76 282.90 73.15 6 21 51 2481.5 -27.13 93.57
 100.00 1 15 20 3916.67 -.67 151.54 272.20 60.11 2 20 37 3316.7 -4.64 145.00
 110.00 7 27 8 2716.53 -31.52 76.06 284.92 76.03 8 12 25 2116.5 -33.12 67.20
 110.00 1 35 11 3854.41 5.02 143.28 268.66 56.14 2 39 25 3254.4 .54 137.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9164 TRA 4.8503 TC3-1.7704 BAU 1.1694 SGT 5585.2 SGR 411.4 SG3 115.4 ST 2720.0 SR 410.9 SS 609.4
 RDE .5040 RRA .0185 RC3 .0105 FAU .00897 RRT .4410 RRF .4236 RTF .9534 CRT .8798 CRS -.8300 CST -.9951
 FDE .6447 FRA 1.3325 FC3 -.1572 BSP 18397 SGB 5600.3 R23 .0015 R13 .9534 LSA 2810.2 MSA 203.5 SSA 12.5
 BDE 2.9596 BRA 4.8504 BC3 1.7704 FSP -392 SGI 5588.1 SG2 369.1 THA 1.87 EL1 2744.0 EL2 193.6 ALF 7.61

LAUNCH DATE DEC 17 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 591.141

RL 147.21 LAL -0.00 LOL 84.85 VL 26.001 GAL 11.91 AZL 86.96 MCA 302.66 SMA 117.76 ECC .32008 INC 3.0368 V1 30.264
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.362 GAP 18.12 AZP 88.36 TAL 151.77 TAP 94.43 RCA 80.07 APO 155.46 V2 34.968
 RC 203.147 GL 10.39 GP -1.77 ZAL 42.43 ZAP 177.30 ETS 223.28 ZAE 130.74 ETE 182.00 ZAC 119.54 ETC 166.78 CLP 177.97

PLANETOCENTRIC CONIC

C3 55.827 VHL 7.472 DLA 25.77 RAL 37.57 RAD 6569.0 VEL 13.311 PTH 2.43 VHP 11.552 DPA 5.78 RAP 25.32 ECC 1.9188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 38 3445.38 -21.73 127.37 286.26 71.38 4 53 4 2845.4 -24.07 119.49
 90.00 0 23 14 4138.14 -1.96 168.53 277.56 61.75 1 34 12 3538.1 -5.72 161.87
 100.00 5 42 57 3099.42 -24.70 102.97 287.31 72.61 6 34 36 2499.4 -26.85 94.83
 100.00 1 20 36 3959.34 .78 153.88 276.04 60.12 2 26 35 3359.3 -3.20 147.35
 110.00 7 38 20 2738.40 -31.15 77.66 289.42 75.15 8 23 58 2138.4 -32.87 68.86
 110.00 1 41 42 3893.12 6.48 145.33 272.50 56.36 2 46 35 3293.1 2.02 139.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9720 TRA 5.3325 TC3-1.5264 BAU 1.1392 SGT 5569.1 SGR 406.2 SG3 112.2 ST 2656.0 SR 404.7 SS 605.3
 RDE .5276 RRA .0408 RC3 .0063 FAU .00774 RRT .4679 RRF .4513 RTF .9576 CRT .8710 CRS -.8235 CST -.9958
 FDE .6395 FRA 1.3967 FC3 -.1200 BSP 18438 SGB 5583.9 R23 .0015 R13 .9576 LSA 2746.3 MSA 205.6 SSA 11.9
 BDE 3.0185 BRA 5.3326 BC3 1.5264 FSP -382 SGI 5572.3 SG2 358.7 THA 1.96 EL1 2679.4 EL2 197.1 ALF 7.60

LAUNCH DATE DEC 17 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 595.408

RL 147.21 LAL -0.00 LOL 84.85 VL 25.964 GAL 13.13 AZL 87.00 HCA 305.85 SMA 117.56 ECC .33452 INC 2.9960 V1 30.264
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.348 GAP 19.04 AZP 88.24 TAL 150.37 TAP 96.22 RCA 78.23 APO 156.89 V2 34.981
 RC 204.893 GL 9.33 GP -1.75 ZAL 40.61 ZAP 176.58 ETS 212.94 ZAE 130.64 ETE 182.00 ZAC 121.73 ETC 166.57 CLP 177.06

PLANETOCENTRIC CONIC

C3 63.427 VHL 7.964 DLA 25.50 RAL 39.64 RAD 6569.2 VEL 13.593 PTH 2.48 VHP 12.112 DPA 6.70 RAP 27.42 ECC 2.0438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 12 3458.45 -21.44 128.23 290.56 71.05 5 6 51 2858.4 -23.83 120.37
 90.00 0 28 11 4187.29 -37 171.27 281.25 61.69 1 37 58 3587.3 -4.15 164.63
 100.00 5 55 19 3116.34 -24.35 104.11 291.62 72.11 6 47 15 2516.3 -26.57 96.01
 100.00 1 24 45 4004.63 2.31 156.36 279.76 60.19 2 31 30 3404.6 -1.67 149.84
 110.00 7 49 18 2759.72 -30.76 79.21 293.80 74.31 8 35 18 2159.7 -32.61 70.47
 110.00 1 47 16 3934.02 8.02 147.49 276.24 56.66 2 52 50 3334.0 3.58 141.22

DIFFERENTIAL CORRECTIONS

TOE 3.0328 TRA 5.8520 TC3-1.2982 BAU 1.1008
 ROE .5512 FRA .0857 RC3 .0034 FAU .00648
 FDE .6366 FRA 1.4665 FC3 -.0885 BSP 18453
 BOE 3.0825 BRA 5.8524 BC3 1.2982 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 5549.4 SGR 400.0 SG3 109.2
 RRT .4948 RRF .4790 RTF .9619
 SGB 5563.8 R23 .0014 R13 .9619
 SG1 5552.9 SG2 347.4 THA 2.05

ORBIT DETERMINATION ACCURACY

ST 2592.8 SR 396.9 SS 603.6
 CRT .8622 CRS -.8174 CST -.9964
 LSA 2683.6 MSA 206.6 SSA 11.3
 EL1 2615.4 EL2 199.3 ALF 7.56

LAUNCH DATE DEC 17 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 599.391

RL 147.21 LAL -0.00 LOL 84.85 VL 25.928 GAL 14.46 AZL 87.05 HCA 309.05 SMA 117.37 ECC .35067 INC 2.9517 V1 30.264
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.335 GAP 20.06 AZP 88.14 TAL 149.06 TAP 98.11 RCA 76.21 APO 158.82 V2 34.994
 RC 206.614 GL 8.74 GP -1.72 ZAL 38.92 ZAP 175.74 ETS 206.18 ZAE 130.50 ETE 181.99 ZAC 123.88 ETC 166.33 CLP 176.10

PLANETOCENTRIC CONIC

C3 72.471 VHL 8.513 DLA 25.20 RAL 41.56 RAD 6569.4 VEL 13.922 PTH 2.54 VHP 12.736 DPA 7.60 RAP 29.49 ECC 2.1927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 35 3470.56 -21.17 129.01 294.75 70.74 5 20 26 2870.6 -23.60 121.19
 90.00 0 30 5 4238.63 1.29 174.13 284.80 61.71 1 40 44 3638.6 -2.51 167.51
 100.00 6 7 29 3132.37 -24.01 109.18 295.80 71.64 6 59 42 2532.4 -26.30 97.12
 100.00 1 27 52 4052.05 3.91 158.97 283.34 60.34 2 35 24 3452.0 -.06 152.44
 110.00 7 59 58 2780.45 -30.37 80.69 298.05 73.51 8 46 19 2180.4 -32.33 72.02
 110.00 1 51 53 3976.74 9.61 149.78 279.86 57.04 2 58 9 3376.7 5.20 143.46

DIFFERENTIAL CORRECTIONS

TOE 3.1006 TRA 6.4137 TC3-1.0861 BAU 1.0523
 ROE .5749 FRA .0931 RC3 .0015 FAU .00518
 FDE .6361 FRA 1.5429 FC3 -.0619 BSP 18448
 BOE 3.1534 BRA 6.4144 BC3 1.0862 FSP -362

MID-COURSE EXECUTION ACCURACY

SGT 5525.9 SGR 393.1 SG3 106.2
 RRT .5216 RRF .5067 RTF .9661
 SGB 5539.9 R23 .0010 R13 .9661
 SG1 5529.7 SG2 335.1 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 2531.1 SR 387.5 SS 604.6
 CRT .8536 CRS -.8117 CST -.9970
 LSA 2622.8 MSA 206.4 SSA 10.8
 EL1 2552.7 EL2 200.1 ALF 7.49

LAUNCH DATE DEC 17 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 603.022

RL 147.21 LAL -0.00 LOL 84.85 VL 25.893 GAL 15.92 AZL 87.10 HCA 312.25 SMA 117.18 ECC .36877 INC 2.9031 V1 30.264
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.323 GAP 21.21 AZP 88.05 TAL 147.86 TAP 100.11 RCA 73.97 APO 160.39 V2 35.007
 RC 208.309 GL 7.94 GP -1.70 ZAL 37.38 ZAP 174.81 ETS 201.54 ZAE 130.31 ETE 181.99 ZAC 125.98 ETC 166.04 CLP 175.10

PLANETOCENTRIC CONIC

C3 83.300 VHL 9.127 DLA 24.87 RAL 43.31 RAD 6569.6 VEL 14.306 PTH 2.60 VHP 13.436 DPA 8.46 RAP 31.53 ECC 2.3709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 40 3481.82 -20.91 129.74 298.81 70.46 5 33 42 2881.8 -23.39 121.94
 90.00 0 31 1 4291.60 2.99 177.09 288.21 61.83 1 42 32 3691.6 -.80 170.46
 100.00 6 19 22 3147.51 -23.68 106.18 299.85 71.21 7 11 49 2547.5 -26.03 98.17
 100.00 1 30 0 4101.14 5.56 161.68 286.80 60.58 2 38 22 3501.1 1.60 155.14
 110.00 8 10 17 2800.47 -29.98 82.12 302.14 72.75 8 56 58 2200.5 -32.04 73.51
 110.00 1 55 34 4020.95 11.24 152.17 283.36 57.50 3 2 35 3420.9 6.87 145.80

DIFFERENTIAL CORRECTIONS

TOE 3.1805 TRA 7.0265 TC3 -.8888 BAU .9898
 ROE .5988 FRA .1234 RC3 .0008 FAU .00377
 FDE .6393 FRA 1.6279 FC3 -.0392 BSP 18343
 BOE 3.2364 BRA 7.0274 BC3 .8888 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 5500.4 SGR 385.5 SG3 103.5
 RRT .5487 RRF .5348 RTF .9703
 SGB 5513.9 R23 .0006 R13 .9703
 SG1 5504.4 SG2 322.0 THA 2.21

ORBIT DETERMINATION ACCURACY

ST 2473.1 SR 376.8 SS 609.0
 CRT .8456 CRS -.8070 CST -.9975
 LSA 2566.5 MSA 204.8 SSA 10.2
 EL1 2493.7 EL2 199.5 ALF 7.39

LAUNCH DATE DEC 17 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 606.211

RL 147.21 LAL -0.00 LOL 84.85 VL 25.860 GAL 17.54 AZL 87.15 HCA 315.45 SMA 117.00 ECC .38915 INC 2.8493 V1 30.264
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.312 GAP 22.51 AZP 87.97 TAL 146.79 TAP 102.24 RCA 71.47 APO 162.53 V2 35.020
 RC 209.976 GL 7.17 GP -1.68 ZAL 35.99 ZAP 173.80 ETS 198.20 ZAE 130.06 ETE 181.98 ZAC 128.02 ETC 165.72 CLP 174.04

PLANETOCENTRIC CONIC

C3 96.359 VHL 9.818 DLA 24.50 RAL 44.90 RAD 6569.9 VEL 14.755 PTH 2.67 VHP 14.225 DPA 9.28 RAP 33.53 ECC 2.5858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 21 3492.18 -20.68 130.41 302.70 70.21 5 46 33 2892.2 -23.19 122.63
 90.00 0 31 1 4345.76 4.73 180.13 291.47 62.05 1 43 26 3745.8 .95 173.48
 100.00 6 30 52 3161.66 -23.37 107.12 303.72 70.81 7 23 33 2561.7 -25.77 99.14
 100.00 1 31 11 4151.51 7.24 164.48 290.10 60.92 2 40 22 3551.5 3.31 157.90
 110.00 8 20 11 2819.62 -29.58 83.47 306.06 72.04 9 7 11 2219.6 -31.75 74.93
 110.00 1 58 21 4066.31 12.89 154.65 286.72 58.06 3 6 7 3466.3 8.57 148.21

DIFFERENTIAL CORRECTIONS

TOE 3.2674 TRA 7.6884 TC3 -.7101 BAU .9148
 ROE .6224 FRA .1562 RC3 .0007 FAU .00230
 FDE .6445 FRA 1.7208 FC3 -.0206 BSP 18338
 BOE 3.3262 BRA 7.6900 BC3 .7101 FSP -342

MID-COURSE EXECUTION ACCURACY

SGT 5468.2 SGR 376.9 SG3 100.8
 RRT .5751 RRF .5622 RTF .9744
 SGB 5481.1 R23 .0000 R13 .9744
 SG1 5472.5 SG2 308.1 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 2414.1 SR 364.6 SS 616.0
 CRT .8379 CRS -.8025 CST -.9980
 LSA 2509.8 MSA 202.0 SSA 9.6
 EL1 2433.4 EL2 197.4 ALF 7.26

LAUNCH DATE DEC 17 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 608.842

RL 147.21 LAL -0.00 LOL 84.85 VL 25.828 GAL 19.34 AZL 87.21 HCA 318.66 SMA 116.83 ECC .41218 INC 2.7890 V1 30.264
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.302 GAP 23.99 AZP 87.91 TAL 145.87 TAP 104.53 RCA 68.68 APO 164.99 V2 35.034
 RC 211.617 GL 6.43 GP -1.66 ZAL 34.76 ZAP 172.70 ETS 195.69 ZAE 129.73 ETE 181.97 ZAC 129.99 ETC 165.33 CLP 172.90

PLANETOCENTRIC CONIC

C3 112.234 VHL 10.594 OLA 24.10 RAL 46.31 RAD 6570.1 VEL 15.283 PTH 2.74 VHP 15.119 DPA 10.07 RAP 35.47 ECC 2.8471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 0 32 3501.50 -20.46 131.00 306.39 69.99 5 58 54 2901.5 -23.00 123.25
 90.00 0 30 4 4400.71 6.47 183.22 294.56 62.37 1 43 25 3800.7 2.72 176.55
 100.00 6 41 55 3174.65 -23.08 107.97 307.40 70.45 7 34 50 2574.6 -25.53 100.03
 100.00 1 31 23 4202.80 8.92 167.36 293.24 61.35 2 41 26 3602.8 5.03 160.73
 110.00 8 29 37 2837.69 -29.20 84.73 309.76 71.38 9 16 55 2237.7 -31.46 76.26
 110.00 2 0 10 4112.52 14.53 157.22 289.94 58.72 3 8 42 3512.5 10.29 150.69

DIFFERENTIAL CORRECTIONS

TDE 3.3695 TRA 8.4135 TC3 -.5470 BAU .8207
 RDE .6462 RRA .1919 RC3 .0013 FAU .00064
 FDE .6537 FRA 1.8250 FC3 -.0050 BSP 18304
 BDE 3.4309 BRA 8.4157 BC3 .5470 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 5432.3 SGR 367.5 SG3 98.3
 RRT .6012 RRF .5894 RTF .9783
 SGB 5444.8 R23 -.0006 R13 .9783
 SG1 5436.8 SG2 293.4 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 2357.6 SR 351.2 SS 626.8
 CRT .8309 CRS -.7990 CST -.9984
 LSA 2456.6 MSA 197.9 SSA 9.1
 EL1 2375.7 EL2 193.9 ALF 7.10

LAUNCH DATE DEC 17 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 610.761

RL 147.21 LAL -0.00 LOL 84.85 VL 25.798 GAL 21.36 AZL 87.28 HCA 321.87 SMA 116.67 ECC .43831 INC 2.7204 V1 30.264
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.294 GAP 25.68 AZP 87.86 TAL 145.15 TAP 107.02 RCA 65.53 APO 167.81 V2 35.047
 RC 213.230 GL 5.70 GP -1.64 ZAL 33.70 ZAP 171.50 ETS 193.73 ZAE 129.31 ETE 181.95 ZAC 131.87 ETC 164.95 CLP 171.66

PLANETOCENTRIC CONIC

C3 131.705 VHL 11.476 OLA 23.66 RAL 47.53 RAD 6570.4 VEL 15.907 PTH 2.81 VHP 16.140 DPA 10.80 RAP 37.33 ECC 3.1675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 11 3509.53 -20.27 131.52 309.86 69.80 6 10 40 2909.5 -22.84 123.79
 90.00 0 28 9 4456.13 8.21 186.37 297.46 62.80 1 42 26 3856.1 4.50 179.65
 100.00 6 52 27 3186.22 -22.81 108.73 310.85 70.14 7 45 34 2586.2 -25.31 100.82
 100.00 1 30 34 4254.70 10.60 170.29 296.19 61.89 2 41 29 3654.7 6.76 163.61
 110.00 8 38 31 2854.37 -28.83 85.89 313.22 70.78 9 26 6 2254.4 -31.17 77.48
 110.00 2 0 59 4159.28 16.17 159.85 292.98 59.47 3 10 19 3559.3 12.00 153.23

DIFFERENTIAL CORRECTIONS

TDE 3.4900 TRA 9.2100 TC3 -.3993 BAU .7030
 RDE .6701 RRA .2304 RC3 .0024 FAU-.00125
 FDE .6672 FRA 1.9423 FC3 .0082 BSP 18255
 BDE 3.5537 BRA 9.2129 BC3 .3993 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 5392.3 SGR 357.4 SG3 95.9
 RRT .6270 RRF .6163 RTF .9820
 SGB 5404.1 R23 -.0013 R13 .9820
 SG1 5397.0 SG2 278.2 THA 2.39

ORBIT DETERMINATION ACCURACY

ST 2303.2 SR 336.7 SS 641.8
 CRT .8249 CRS -.7964 CST -.9987
 LSA 2406.9 MSA 192.4 SSA 8.5
 EL1 2320.0 EL2 188.9 ALF 6.92

LAUNCH DATE DEC 17 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 611.761

RL 147.21 LAL -0.00 LOL 84.85 VL 25.771 GAL 23.65 AZL 87.36 HCA 325.08 SMA 116.53 ECC .46807 INC 2.6412 V1 30.264
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.287 GAP 27.62 AZP 87.83 TAL 144.67 TAP 109.74 RCA 61.98 APO 171.07 V2 35.060
 RC 214.816 GL 5.00 GP -1.62 ZAL 32.84 ZAP 170.18 ETS 192.16 ZAE 128.77 ETE 181.94 ZAC 133.63 ETC 164.52 CLP 170.31

PLANETOCENTRIC CONIC

C3 155.822 VHL 12.483 OLA 23.19 RAL 48.54 RAD 6570.7 VEL 16.648 PTH 2.89 VHP 17.313 DPA 11.49 RAP 39.09 ECC 3.5644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 12 3515.89 -20.12 131.92 313.05 69.65 6 21 48 2915.9 -22.71 124.21
 90.00 0 25 11 4511.76 9.92 189.56 300.14 63.34 1 40 23 3911.8 6.27 182.78
 100.00 7 2 25 3196.01 -22.58 109.36 314.03 69.88 7 55 41 2596.0 -25.12 101.48
 100.00 1 28 40 4306.88 12.26 173.28 298.92 62.52 2 40 27 3706.9 8.48 166.53
 110.00 8 46 50 2869.31 -28.49 86.92 316.40 70.26 9 34 39 2269.3 -30.91 78.56
 110.00 2 0 44 4206.34 17.78 162.55 295.81 60.31 3 10 50 3606.3 13.69 155.82

DIFFERENTIAL CORRECTIONS

TDE 3.6376 TRA10.0915 TC3 -.2654 BAU .5530
 RDE .6945 RRA .2718 RC3 .0039 FAU-.00354
 FDE .6869 FRA 2.0760 FC3 .0197 BSP 18101
 BDE 3.7033 BRA10.0952 BC3 .2655 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 5349.6 SGR 348.6 SG3 93.7
 RRT .6524 RRF .6429 RTF .9854
 SGB 5360.8 R23 -.0020 R13 .9854
 SG1 5354.4 SG2 262.4 THA 2.43

ORBIT DETERMINATION ACCURACY

ST 2252.4 SR 321.4 SS 662.5
 CRT .8203 CRS -.7952 CST -.9990
 LSA 2362.4 MSA 185.5 SSA 8.0
 EL1 2267.9 EL2 182.5 ALF 6.72

LAUNCH DATE DEC 17 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

DISTANCE 611.566

RL 147.21 LAL -0.00 LOL 84.85 VL 25.746 GAL 26.26 AZL 87.45 HCA 328.29 SMA 116.40 ECC .50207 INC 2.5481 V1 30.264
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.282 GAP 29.88 AZP 87.83 TAL 144.48 TAP 112.76 RCA 57.96 APO 174.84 V2 35.073
 RC 216.375 GL 4.32 GP -1.60 ZAL 32.21 ZAP 168.71 ETS 190.86 ZAE 128.09 ETE 181.91 ZAC 135.26 ETC 164.08 CLP 168.82

PLANETOCENTRIC CONIC

C3 186.015 VHL 13.639 OLA 22.67 RAL 49.31 RAD 6571.0 VEL 17.531 PTH 2.97 VHP 18.670 DPA 12.11 RAP 40.73 ECC 4.0613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 32 3520.13 -20.02 132.19 315.93 69.55 6 32 12 2920.1 -22.63 124.49
 90.00 0 21 1 4567.42 11.61 192.78 302.55 63.99 1 37 9 3967.4 8.02 185.94
 100.00 7 11 42 3203.57 -22.41 109.86 316.88 69.68 8 5 6 2603.6 -24.97 102.00
 100.00 1 25 32 4359.21 13.88 176.32 301.39 63.26 2 38 11 3759.2 10.19 169.48
 110.00 8 54 28 2882.08 -28.19 87.80 319.24 69.82 9 42 30 2282.1 -30.68 79.48
 110.00 1 59 16 4253.51 19.34 165.31 298.40 61.25 3 10 9 3653.5 15.36 158.46

DIFFERENTIAL CORRECTIONS

TDE 3.8101 TRA11.0608 TC3 -.1474 BAU .3667
 RDE .7192 RRA .3156 RC3 .0055 FAU-.00628
 FDE .7122 FRA 2.2273 FC3 .0292 BSP 18036
 BDE 3.8774 BRA11.0653 BC3 .1475 FSP -309

MID-COURSE EXECUTION ACCURACY

SGT 5299.3 SGR 334.9 SG3 91.6
 RRT .6767 RRF .6683 RTF .9884
 SGB 5309.8 R23 -.0028 R13 .9884
 SG1 5304.1 SG2 246.3 THA 2.45

ORBIT DETERMINATION ACCURACY

ST 2201.0 SR 305.2 SS 688.3
 CRT .8169 CRS -.7949 CST -.9992
 LSA 2319.4 MSA 177.5 SSA 7.4
 EL1 2215.2 EL2 174.9 ALF 6.50

LAUNCH DATE DEC 18 1965 FLIGHT TIME 70.00 ARRIVAL DATE FEB 26 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 28.333 GAL -11.28 AZL 86.65 HCA 89.86 SMA 132.66 ECC .22324 INC 3.3492 V1 30.266
 RP 107.69 LAP 3.35 LOP 175.73 VP 38.268 GAP -7.02 A7P 89.99 TAL 229.93 TAP 319.79 RCA 103.04 APO 162.27 V2 35.191
 RC 58.184 GL 15.23 GP 3.79 ZAL 150.92 ZAP 30.15 ETS 352.25 ZAE 153.82 ETE 347.10 ZAC 60.38 ETC 164.59 CLP -29.93

PLANETOCENTRIC CONIC
 C3 38.208 VML 6.181 DLA -6.75 RAL 290.32 RAD 6568.5 VEL 12.632 PTH 2.29 VMP 5.601 DPA -12.33 RAP 327.87 ECC 1.6288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 20 2163.97 -18.31 38.30 160.90 111.99 2 24 24 1564.0 -15.17 31.04
 90.00 12 5 6 5229.63 26.50 235.34 165.36 79.64 13 32 16 4629.6 24.80 227.08
 100.00 3 6 28 1911.95 -19.55 19.23 160.36 113.07 3 38 20 1312.0 -16.26 11.98
 100.00 13 29 40 4956.88 27.82 215.00 165.08 78.60 14 52 17 4356.9 25.97 206.68
 110.00 4 7 20 1721.34 -22.86 3.14 158.73 116.14 4 36 2 1121.3 -19.16 355.95
 110.00 14 45 16 4720.26 31.37 196.10 164.14 75.67 16 3 57 4120.3 29.08 187.64

MID-COURSE EXECUTION ACCURACY
 SGT 511.1 SGR 391.4 SG3 188.6
 RRT .0534 RRF -.1274 RTF -.4534
 SGB 643.7 R23 -.0693 R13 -.4599
 SG1 512.1 SG2 390.0 THA 5.59

ORBIT DETERMINATION ACCURACY
 ST 176.7 SR 380.3 SS 256.4
 CRT .8124 CRS .8774 CST .4506
 LSA 465.8 MSA 155.3 SSA 23.2
 EL1 408.2 EL2 96.0 ALF 68.04

DIFFERENTIAL CORRECTIONS
 TDE -.1607 TRA -.3371 TC3 .3027 BAU .1569
 RDE -.4097 RRA .0740 RC3 -.0523 FAU .06906
 FDE .4866 FRA -.9709 FC3 -1.5649 BSP 1136
 BDE .4401 BRA .3451 BC3 .3072 FSP -517

LAUNCH DATE DEC 18 1965 FLIGHT TIME 72.00 ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 28.415 GAL -11.19 AZL 86.68 HCA 93.10 SMA 133.28 ECC .21947 INC 3.3176 V1 30.266
 RP 107.72 LAP 3.31 LOP 178.96 VP 38.320 GAP -6.24 A7P 90.18 TAL 230.98 TAP 324.08 RCA 104.03 APO 162.53 V2 35.181
 RC 60.133 GL 15.29 GP 4.07 ZAL 151.46 ZAP 34.06 ETS 352.72 ZAE 155.36 ETE 347.66 ZAC 59.66 ETC 164.66 CLP -33.84

PLANETOCENTRIC CONIC
 C3 37.424 VML 6.118 DLA -6.78 RAL 289.66 RAD 6568.5 VEL 12.601 PTH 2.29 VMP 5.240 DPA -12.28 RAP 327.12 ECC 1.6159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 55 2157.82 -18.15 37.92 159.89 112.11 2 21 53 1557.8 -14.99 30.67
 90.00 12 2 14 5225.31 26.45 235.03 164.32 79.50 13 29 19 4625.3 24.73 226.79
 100.00 3 4 1 1905.84 -19.39 18.85 159.34 113.21 3 35 47 1305.8 -16.08 11.62
 100.00 13 26 49 4952.52 27.76 214.68 164.03 78.45 14 49 21 4352.5 25.89 206.38
 110.00 4 4 52 1715.34 -22.68 2.76 157.72 116.29 4 33 27 1115.3 -18.96 355.60
 110.00 14 42 27 4715.79 31.30 195.77 163.09 75.49 16 1 3 4115.8 28.99 187.33

MID-COURSE EXECUTION ACCURACY
 SGT 503.4 SGR 391.1 SG3 214.7
 RRT .0549 RRF -.1518 RTF -.4152
 SGB 637.5 R23 -.0947 R13 -.4243
 SG1 504.5 SG2 389.6 THA 6.07

ORBIT DETERMINATION ACCURACY
 ST 172.8 SR 380.8 SS 274.0
 CRT .7931 CRS .8726 CST .4117
 LSA 472.0 MSA 163.1 SSA 23.3
 EL1 406.4 EL2 98.6 ALF 68.91

DIFFERENTIAL CORRECTIONS
 TDE -.1525 TRA -.3416 TC3 .2938 BAU .1488
 RDE -.4060 RRA .0765 RC3 -.0460 FAU .07736
 FDE .5459 FRA -1.1213 FC3 -1.7895 BSP 1093
 BDE .4337 BRA .3501 BC3 .2974 FSP -602

LAUNCH DATE DEC 18 1965 FLIGHT TIME 74.00 ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 28.484 GAL -11.11 AZL 86.71 HCA 96.33 SMA 133.81 ECC .21623 INC 3.2858 V1 30.266
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.361 GAP -5.50 A7P 90.36 TAL 231.87 TAP 328.20 RCA 104.87 APO 162.74 V2 35.171
 RC 62.133 GL 15.33 GP 4.38 ZAL 151.91 ZAP 38.19 ETS 353.13 ZAE 157.23 ETE 348.22 ZAC 58.71 ETC 164.72 CLP -37.97

PLANETOCENTRIC CONIC
 C3 36.718 VML 6.060 DLA -6.82 RAL 289.11 RAD 6568.4 VEL 12.573 PTH 2.28 VMP 4.911 DPA -12.27 RAP 326.15 ECC 1.6043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 59 2151.92 -18.00 37.55 159.01 112.23 2 19 51 1551.9 -14.83 30.31
 90.00 11 59 46 5221.59 26.40 234.77 163.42 79.38 13 26 48 4621.6 24.67 226.53
 100.00 3 2 4 1900.00 -19.23 18.48 158.47 113.34 3 33 44 1300.0 -15.91 11.27
 100.00 13 24 22 4948.74 27.71 214.41 163.13 78.32 14 46 51 4348.7 25.82 206.12
 110.00 4 2 53 1709.62 -22.51 2.41 156.84 116.43 4 31 22 1109.6 -18.77 355.26
 110.00 14 40 3 4711.88 31.23 195.49 162.19 75.33 15 58 35 4111.9 28.90 187.06

MID-COURSE EXECUTION ACCURACY
 SGT 493.1 SGR 390.4 SG3 243.1
 RRT .0540 RRF -.1812 RTF -.3546
 SGB 628.9 R23 -.1303 R13 -.3676
 SG1 494.3 SG2 388.9 THA 6.45

ORBIT DETERMINATION ACCURACY
 ST 169.4 SR 380.7 SS 292.6
 CRT .7633 CRS .8706 CST .3631
 LSA 479.0 MSA 171.4 SSA 23.2
 EL1 403.7 EL2 103.2 ALF 69.87

DIFFERENTIAL CORRECTIONS
 TDE -.1435 TRA -.3534 TC3 .2756 BAU .1366
 RDE -.4019 RRA .0801 RC3 -.0383 FAU .08636
 FDE .6132 FRA -1.2818 FC3 -2.0363 BSP 988
 BDE .4268 BRA .3624 BC3 .2782 FSP -693

LAUNCH DATE DEC 18 1965 FLIGHT TIME 76.00 ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 28.540 GAL -11.02 AZL 86.75 HCA 99.56 SMA 134.24 ECC .21343 INC 3.2537 V1 30.266
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.393 GAP -4.79 A7P 90.54 TAL 232.61 TAP 332.17 RCA 105.59 APO 162.89 V2 35.160
 RC 64.180 GL 15.35 GP 4.70 ZAL 152.27 ZAP 42.55 ETS 353.51 ZAE 159.44 ETE 348.82 ZAC 57.54 ETC 164.78 CLP -42.33

PLANETOCENTRIC CONIC
 C3 36.070 VML 6.006 DLA -6.85 RAL 288.67 RAD 6568.4 VEL 12.548 PTH 2.27 VMP 4.615 DPA -12.31 RAP 324.95 ECC 1.5936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 31 2146.20 -17.85 37.20 158.26 112.35 2 18 17 1546.2 -14.67 29.97
 90.00 11 57 42 5218.31 26.36 234.54 162.66 79.27 13 24 41 4618.3 24.61 226.31
 100.00 3 0 35 1894.34 -19.08 18.13 157.72 113.46 3 32 9 1294.3 -15.74 10.93
 100.00 13 22 19 4945.39 27.66 214.18 162.37 78.20 14 44 45 4345.4 25.76 205.89
 110.00 4 1 21 1704.10 -22.34 2.07 156.09 116.57 4 29 45 1104.1 -18.59 354.94
 110.00 14 38 3 4708.40 31.17 195.23 161.42 75.19 15 56 31 4108.4 28.82 186.82

MID-COURSE EXECUTION ACCURACY
 SGT 482.0 SGR 389.4 SG3 274.0
 RRT .0443 RRF -.2150 RTF -.2686
 SGB 619.7 R23 -.1807 R13 -.2843
 SG1 482.9 SG2 388.3 THA 5.81

ORBIT DETERMINATION ACCURACY
 ST 165.6 SR 380.0 SS 311.3
 CRT .7173 CRS .8697 CST .2956
 LSA 485.7 MSA 179.7 SSA 23.0
 EL1 399.7 EL2 109.7 ALF 71.17

DIFFERENTIAL CORRECTIONS
 TDE -.1320 TRA -.3716 TC3 .2484 BAU .1206
 RDE -.3975 RRA .0848 RC3 -.0289 FAU .09611
 FDE .6851 FRA -1.4531 FC3 -2.3068 BSP 856
 BDE .4188 BRA .3811 BC3 .2501 FSP -792

LAUNCH DATE DEC 18 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 223.957

RL 147.20 LAL -.00 LOL 85.86 VL 28.584 GAL -10.94 AZL 86.78 MCA 102.79 SMA 134.58 ECC .21098 INC 3.2209 V1 30.266
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.416 GAP -4.12 AZP 90.71 TAL 233.19 TAP 335.97 RCA 106.19 APO 162.98 V2 35.149
 RC 66.268 GL 15.35 GP 5.05 ZAL 152.56 ZAP 47.13 ETS 353.88 ZAE 161.97 ETE 349.48 ZAC 56.14 ETC 164.83 CLP -46.93

PLANETOCENTRIC CONIC

C3 35.463 VML 5.955 OLA -6.90 RAL 288.33 RAD 6568.4 VEL 12.523 PTH 2.27 VHP 4.351 OPA -12.38 RAP 323.52 ECC 1.5836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 28 2140.60 -17.71 36.85 157.63 112.46 2 17 9 1540.6 -14.51 29.63
 90.00 11 56 2 5215.33 26.32 234.33 162.02 79.17 13 22 57 4615.3 24.56 226.10
 100.00 2 59 31 1888.81 -18.93 17.79 157.09 113.58 3 31 0 1288.8 -15.58 10.60
 100.00 13 20 40 4942.35 27.62 213.96 161.73 78.09 14 43 2 4342.4 25.70 205.69
 110.00 4 0 14 1698.71 -22.17 1.74 155.46 116.71 4 28 33 1098.7 -18.41 354.63
 110.00 14 36 26 4705.21 31.11 195.00 160.77 75.07 15 54 52 4105.2 28.75 186.60

DIFFERENTIAL CORRECTIONS

TDE -.1170 TRA -.3960 TC3 .2126 BAU .1012
 RDE -.3925 RRA .0906 RC3 -.0178 FAU .10659
 FDE .7575 FRA-1.6341 FC3-2.6022 BSP 719
 BDE .4095 BRA .4062 BC3 .2133 FSP -905

MID-COURSE EXECUTION ACCURACY

SGT 473.3 SGR 388.2 SG3 307.2
 RRT .0188 RRF -.2525 RTF -.1539
 SGB 612.2 R23 -.2436 R13 -.1634
 SG1 473.5 SG2 388.0 THA 2.69

ORBIT DETERMINATION ACCURACY

ST 161.2 SR 378.5 SS 328.9
 CRT .6468 CRS .8686 CST .1988
 LSA 491.6 MSA 187.9 SSA 22.9
 EL1 394.1 EL2 118.1 ALF 73.03

LAUNCH DATE DEC 18 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 230.565

RL 147.20 LAL -.00 LOL 85.86 VL 28.618 GAL -10.86 AZL 86.81 MCA 106.01 SMA 134.84 ECC .20884 INC 3.1873 V1 30.266
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.431 GAP -3.48 AZP 90.88 TAL 233.61 TAP 339.63 RCA 106.68 APO 163.00 V2 35.138
 RC 68.394 GL 15.34 GP 5.42 ZAL 152.77 ZAP 51.94 ETS 354.24 ZAE 164.81 ETE 350.27 ZAC 54.51 ETC 164.88 CLP -51.74

PLANETOCENTRIC CONIC

C3 34.882 VML 5.906 OLA -6.94 RAL 288.08 RAD 6568.4 VEL 12.500 PTH 2.26 VHP 4.120 OPA -12.49 RAP 321.86 ECC 1.5741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 51 2135.04 -17.56 36.51 157.11 112.58 2 16 26 1535.0 -14.35 29.30
 90.00 11 54 44 5212.54 26.29 234.13 161.49 79.08 13 21 36 4612.5 24.51 225.91
 100.00 2 58 52 1883.33 -18.78 17.45 156.56 113.70 3 30 15 1283.3 -15.41 10.27
 100.00 13 19 23 4939.49 27.58 213.76 161.19 77.99 14 41 43 4339.5 25.65 205.49
 110.00 3 59 32 1693.39 -22.01 1.41 154.93 116.84 4 27 45 1093.4 -18.23 354.32
 110.00 14 35 13 4702.19 31.06 194.78 160.23 74.95 15 53 35 4102.2 28.68 186.39

DIFFERENTIAL CORRECTIONS

TDE -.1004 TRA -.4292 TC3 .1648 BAU .0769
 RDE -.3870 RRA .0972 RC3 -.0050 FAU .11729
 FDE .8346 FRA-1.8138 FC3-2.9110 BSP 542
 BDE .3998 BRA .4401 BC3 .1649 FSP -1017

MID-COURSE EXECUTION ACCURACY

SGT 472.6 SGR 387.3 SG3 341.5
 RRT -.0242 RRF -.2954 RTF -.0026
 SGB 611.0 R23 .2954 R13 -.0119
 SG1 472.9 SG2 386.9 THA 176.56

ORBIT DETERMINATION ACCURACY

ST 159.2 SR 376.5 SS 346.8
 CRT .5502 CRS .8701 CST .0810
 LSA 498.5 MSA 195.8 SSA 22.7
 EL1 387.9 EL2 129.1 ALF 75.23

LAUNCH DATE DEC 18 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 237.135

RL 147.20 LAL -.00 LOL 85.86 VL 28.642 GAL -10.78 AZL 86.85 MCA 109.24 SMA 135.03 ECC .20693 INC 3.1526 V1 30.266
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.438 GAP -2.87 AZP 91.04 TAL 233.89 TAP 343.13 RCA 107.09 APO 162.97 V2 35.126
 RC 70.553 GL 15.32 GP 5.81 ZAL 152.92 ZAP 56.95 ETS 354.61 ZAE 167.94 ETE 351.33 ZAC 52.69 ETC 164.93 CLP -56.76

PLANETOCENTRIC CONIC

C3 34.317 VML 5.858 OLA -6.98 RAL 287.93 RAD 6568.4 VEL 12.477 PTH 2.26 VHP 3.920 OPA -12.63 RAP 319.99 ECC 1.5648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 36 2129.48 -17.42 36.16 156.68 112.69 2 16 5 1529.5 -14.19 28.97
 90.00 11 53 47 5209.85 26.25 233.94 161.05 78.99 13 20 37 4609.9 24.47 223.73
 100.00 2 58 36 1877.84 -18.63 17.12 156.13 113.81 3 29 54 1277.8 -15.25 9.95
 100.00 13 18 28 4936.73 27.54 213.56 160.75 77.90 14 40 45 4336.7 25.60 205.30
 110.00 3 59 13 1688.06 -21.85 1.08 154.51 116.97 4 27 21 1088.1 -18.05 354.01
 110.00 14 34 21 4699.27 31.01 194.57 159.79 74.83 15 52 40 4099.3 28.62 186.19

DIFFERENTIAL CORRECTIONS

TDE -.0802 TRA -.4692 TC3 .1070 BAU .0493
 RDE -.3808 RRA .1048 RC3 .0096 FAU .12821
 FDE .9059 FRA-1.9931 FC3-3.2344 BSP 439
 BDE .3891 BRA .4808 BC3 .1075 FSP -1141

MID-COURSE EXECUTION ACCURACY

SGT 485.4 SGR 386.6 SG3 376.6
 RRT -.0912 RRF -.3415 RTF .1717
 SGB 620.6 R23 .2982 R13 -.2182
 SG1 488.8 SG2 382.4 THA 169.17

ORBIT DETERMINATION ACCURACY

ST 159.4 SR 373.7 SS 362.5
 CRT .4183 CRS .8709 CST -.0692
 LSA 504.5 MSA 203.4 SSA 22.5
 EL1 380.6 EL2 142.2 ALF 78.22

LAUNCH DATE DEC 18 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 243.669

RL 147.20 LAL -.00 LOL 85.86 VL 28.657 GAL -10.69 AZL 86.88 MCA 112.46 SMA 135.15 ECC .20522 INC 3.1166 V1 30.266
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.438 GAP -2.29 AZP 91.19 TAL 234.03 TAP 346.49 RCA 107.42 APO 162.88 V2 35.114
 RC 72.741 GL 15.28 GP 6.20 ZAL 152.99 ZAP 62.13 ETS 355.00 ZAE 171.31 ETE 353.05 ZAC 50.69 ETC 164.98 CLP -61.95

PLANETOCENTRIC CONIC

C3 33.757 VML 5.810 OLA -7.03 RAL 287.87 RAD 6568.3 VEL 12.455 PTH 2.25 VHP 3.752 OPA -12.78 RAP 317.95 ECC 1.5556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 43 2123.85 -17.27 35.82 156.34 112.80 2 16 6 1523.9 -14.03 28.64
 90.00 11 53 11 5207.19 26.22 233.76 160.70 78.90 13 19 58 4607.2 24.42 225.55
 100.00 2 58 41 1872.28 -18.47 16.77 155.79 113.93 3 29 54 1272.3 -15.08 9.62
 100.00 13 17 53 4933.99 27.50 213.37 160.40 77.80 14 40 7 4334.0 25.55 205.11
 110.00 3 59 15 1682.67 -21.68 .75 154.16 117.10 4 27 18 1082.7 -17.87 353.69
 110.00 14 33 49 4696.37 30.96 194.36 159.43 74.72 15 52 5 4096.4 28.55 185.99

DIFFERENTIAL CORRECTIONS

TDE -.0586 TRA -.5181 TC3 .0365 BAU .0202
 RDE -.3739 RRA .1129 RC3 .0258 FAU .13855
 FDE .9767 FRA-2.1552 FC3-3.5532 BSP 508
 BDE .3785 BRA .5302 BC3 .0447 FSP -1253

MID-COURSE EXECUTION ACCURACY

SGT 519.7 SGR 386.6 SG3 410.4
 RRT -.1750 RRF -.3915 RTF .3531
 SGB 647.8 R23 .2627 R13 -.4097
 SG1 528.8 SG2 374.1 THA 164.89

ORBIT DETERMINATION ACCURACY

ST 164.9 SR 370.3 SS 377.5
 CRT .2638 CRS .8742 CST -.2262
 LSA 511.9 MSA 210.4 SSA 22.2
 EL1 373.4 EL2 157.7 ALF 81.83

LAUNCH DATE DEC 18 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 14 1966

DISTANCE 250.165

HELIOCENTRIC CONIC
 RL 147.20 LAL -0.00 LOL 85.86 VL 28.664 GAL -10.61 AZL 86.92 HCA 115.68 SMA 135.20 ECC .20366 INC 3.0789 V1 30.266
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.431 GAP -1.73 AZP 91.34 TAL 234.04 TAP 349.72 RCA 107.67 APO 162.74 V2 35.101
 RC 74.954 GL 15.23 GP 6.61 ZAL 153.01 ZAP 67.43 ETS 355.43 ZAE 174.86 ETE 356.86 ZAC 48.56 ETC 165.03 CLP -67.28

PLANETOCENTRIC CONIC
 C3 33.198 VHL 5.762 DLA -7.08 RAL 287.89 RAD 6568.3 VEL 12.433 PTH 2.25 VMP 3.614 DPA -12.94 RAP 315.77 ECC 1.5463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 10 2118.08 -17.12 35.46 156.08 112.91 2 16 28 1518.1 -13.87 28.29
 90.00 11 52 53 5204.53 26.18 233.57 160.43 78.81 13 19 38 4604.5 24.38 225.37
 100.00 2 59 8 1866.59 -18.32 16.42 155.53 114.05 3 30 14 1266.6 -14.91 9.28
 100.00 13 17 37 4931.25 27.46 213.17 160.13 77.71 14 39 48 4331.2 25.49 204.93
 110.00 3 59 38 1677.15 -21.51 .42 153.90 117.23 4 27 35 1077.2 -17.69 353.37
 110.00 14 33 36 4693.45 30.90 194.15 159.16 74.60 15 51 49 4093.5 28.48 185.79

MID-COURSE EXECUTION ACCURACY
 SGT 577.8 SGR 387.2 SG3 442.6
 RRT -.2688 RRF -.4430 RTF .5132
 SGB 695.6 R23 .2194 R13 -.5617
 SG1 593.1 SG2 363.3 THA 163.41

ORBIT DETERMINATION ACCURACY
 ST 175.7 SR 366.0 SS 589.2
 CRT .0941 CRS .8765 CST -.3864
 LSA 518.5 MSA 216.7 SSA 22.0
 EL1 366.5 EL2 174.7 ALF 86.65

DIFFERENTIAL CORRECTIONS
 TDE -.0341 TRA -.5734 TC3 -.0445 BAU .0276
 RDE -.3662 RRA .1214 RC3 .0435 FAU .14831
 FDE 1.0341 FRA-2.3020 FC3-3.8676 BSP 774
 BDE .3678 BRA .5861 BC3 .0622 FSP -1369

LAUNCH DATE DEC 18 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 16 1966

DISTANCE 256.625

HELIOCENTRIC CONIC
 RL 147.20 LAL -0.00 LOL 85.86 VL 28.663 GAL -10.51 AZL 86.96 HCA 118.90 SMA 135.20 ECC .20224 INC 3.0391 V1 30.266
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.420 GAP -1.21 AZP 91.47 TAL 233.93 TAP 352.83 RCA 107.86 APO 162.54 V2 35.089
 RC 77.191 GL 15.16 GP 7.02 ZAL 152.96 ZAP 72.81 ETS 355.90 ZAE 178.43 ETE 18.03 ZAC 46.36 ETC 165.09 CLP -72.67

PLANETOCENTRIC CONIC
 C3 32.631 VHL 5.712 DLA -7.13 RAL 287.99 RAD 6568.3 VEL 12.410 PTH 2.24 VMP 3.505 DPA -13.08 RAP 313.52 ECC 1.5370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 58 2112.10 -16.96 35.10 155.88 113.02 2 17 10 1512.1 -13.69 27.94
 90.00 11 52 53 5201.83 26.15 233.38 160.23 78.72 13 19 35 4601.8 24.33 225.18
 100.00 2 59 54 1860.69 -18.15 16.06 155.34 114.17 3 30 55 1260.7 -14.74 8.94
 100.00 13 17 39 4928.47 27.42 212.98 159.93 77.61 14 39 47 4328.5 25.44 204.74
 110.00 4 0 21 1671.44 -21.33 .07 153.71 117.37 4 28 12 1071.4 -17.49 353.04
 110.00 14 33 41 4690.48 30.85 193.93 158.95 74.49 15 51 52 4090.5 28.41 185.58

MID-COURSE EXECUTION ACCURACY
 SGT 661.4 SGR 388.7 SG3 470.6
 RRT -.3596 RRF -.4956 RTF .6393
 SGB 767.1 R23 .1853 R13 -.6749
 SG1 681.7 SG2 351.9 THA 163.58

ORBIT DETERMINATION ACCURACY
 ST 193.0 SR 361.0 SS 399.5
 CRT -.0644 CRS .8809 CST -.5201
 LSA 526.7 MSA 222.0 SSA 21.8
 EL1 361.3 EL2 192.4 ALF 92.76

DIFFERENTIAL CORRECTIONS
 TDE -.0087 TRA -.6356 TC3 -.1372 BAU .0657
 RDE -.3577 RRA .1299 RC3 .0624 FAU .15656
 FDE 1.0846 FRA-2.4156 FC3-4.1538 BSP 1155
 BDE .3578 BRA .6408 BC3 .1507 FSP -1464

LAUNCH DATE DEC 18 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 18 1966

DISTANCE 263.050

HELIOCENTRIC CONIC
 RL 147.20 LAL -0.00 LOL 85.86 VL 28.656 GAL -10.41 AZL 87.00 HCA 122.11 SMA 135.15 ECC .20092 INC 2.9967 V1 30.266
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.403 GAP -1.70 AZP 91.59 TAL 233.70 TAP 355.81 RCA 107.99 APO 162.30 V2 35.076
 RC 79.446 GL 15.09 GP 7.42 ZAL 152.87 ZAP 78.19 ETS 356.41 ZAE 177.45 ETE 151.03 ZAC 44.15 ETC 165.17 CLP -78.09

PLANETOCENTRIC CONIC
 C3 32.053 VHL 5.662 DLA -7.19 RAL 288.17 RAD 6568.3 VEL 12.387 PTH 2.24 VMP 3.424 DPA -13.20 RAP 311.24 ECC 1.5275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 6 2105.82 -16.79 34.71 155.76 113.14 2 18 12 1505.8 -13.51 27.57
 90.00 11 53 9 5199.12 26.11 233.19 160.09 78.64 13 19 48 4599.1 24.28 225.00
 100.00 3 1 0 1854.51 -17.98 15.68 155.21 114.29 3 31 54 1254.5 -14.55 8.57
 100.00 13 17 56 4925.66 27.38 212.78 159.79 77.52 14 40 2 4325.7 25.39 204.55
 110.00 4 1 23 1665.46 -21.14 359.71 153.58 117.51 4 29 8 1065.5 -17.29 352.70
 110.00 14 34 3 4687.47 30.79 193.72 158.81 74.37 15 52 10 4087.5 28.34 185.38

MID-COURSE EXECUTION ACCURACY
 SGT 766.2 SGR 390.8 SG3 494.5
 RRT -.4437 RRF -.5472 RTF .7301
 SGB 860.1 R23 .1596 R13 -.7547
 SG1 790.2 SG2 339.6 THA 164.27

ORBIT DETERMINATION ACCURACY
 ST 215.9 SR 354.8 SS 405.7
 CRT -.2031 CRS .8842 CST -.6293
 LSA 534.2 MSA 226.4 SSA 21.5
 EL1 358.9 EL2 208.9 ALF 100.72

DIFFERENTIAL CORRECTIONS
 TDE .0180 TRA -.7024 TC3 -.2391 BAU .1084
 RDE -.3481 RRA .1384 RC3 .0824 FAU .16341
 FDE 1.1146 FRA-2.5005 FC3-4.4135 BSP 1589
 BDE .3485 BRA .7159 BC3 .2529 FSP -1554

LAUNCH DATE DEC 18 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 20 1966

DISTANCE 269.439

HELIOCENTRIC CONIC
 RL 147.20 LAL -0.00 LOL 85.86 VL 28.643 GAL -10.31 AZL 87.05 HCA 125.33 SMA 135.04 ECC .19969 INC 2.9514 V1 30.266
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.381 GAP -1.22 AZP 91.71 TAL 233.36 TAP 358.69 RCA 108.08 APO 162.01 V2 35.063
 RC 81.719 GL 14.99 GP 7.83 ZAL 152.71 ZAP 83.51 ETS 356.98 ZAE 173.72 ETE 161.75 ZAC 41.97 ETC 165.28 CLP -83.45

PLANETOCENTRIC CONIC
 C3 31.461 VHL 5.609 DLA -7.25 RAL 288.41 RAD 6568.3 VEL 12.363 PTH 2.23 VMP 3.369 DPA -13.27 RAP 309.01 ECC 1.5178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 34 2099.15 -16.61 34.30 155.69 113.27 2 19 33 1499.2 -13.32 27.17
 90.00 11 53 39 5196.40 26.07 233.00 160.01 78.55 13 20 15 4596.4 24.23 224.82
 100.00 3 2 26 1847.94 -17.79 15.28 155.14 114.42 3 33 14 1247.9 -14.35 8.19
 100.00 13 18 28 4922.84 27.34 212.58 159.71 77.42 14 40 31 4322.8 25.33 204.35
 110.00 4 2 44 1659.12 -20.94 359.32 153.51 117.65 4 30 23 1059.1 -17.08 352.33
 110.00 14 34 39 4684.44 30.74 193.50 158.73 74.25 15 52 43 4084.4 28.27 185.17

MID-COURSE EXECUTION ACCURACY
 SGT 888.8 SGR 393.5 SG3 512.8
 RRT -.5183 RRF -.5971 RTF .7929
 SGB 972.0 R23 .1418 R13 -.8099
 SG1 915.4 SG2 326.7 THA 165.14

ORBIT DETERMINATION ACCURACY
 ST 243.4 SR 347.5 SS 408.3
 CRT -.3143 CRS .8873 CST -.7100
 LSA 541.8 MSA 229.6 SSA 21.3
 EL1 361.5 EL2 222.2 ALF 110.42

DIFFERENTIAL CORRECTIONS
 TDE .0447 TRA -.7730 TC3 -.3501 BAU .1535
 RDE -.3373 RRA .1464 RC3 .1033 FAU .16839
 FDE 1.1262 FRA-2.5487 FC3-4.6335 BSP 2068
 BDE .3402 BRA .7868 BC3 .3650 FSP -1630

LAUNCH DATE DEC 18 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 275.795

RL 147.20 LAL -.00 LOL 85.86 VL 28.625 GAL -10.20 AZL 87.10 HCA 128.54 SMA 134.90 ECC .19853 INC 2.9023 VI 30.266
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.355 GAP .24 A7P 91.81 TAL 232.92 TAP 1.46 RCA 108.12 APO 161.68 V2 35.050
 RC 84.008 GL 14.88 GP 8.24 ZAL 152.51 ZAP 88.72 ETS 357.59 ZAE 169.99 ETE 164.50 ZAC 39.91 ETC 165.43 CLP -88.71

PLANETOCENTRIC CONIC

C3 30.852 VHL 5.554 DLA -7.32 RAL 288.73 RAD 6568.2 VEL 12.338 PTH 2.22 VHP 3.338 DPA -13.29 RAP 306.89 ECC 1.5077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 22 2091.98 -16.42 33.87 155.67 113.40 2 21 14 1492.0 -13.11 26.75
 90.00 11 54 22 5193.74 26.04 232.81 159.99 78.46 13 20 55 4593.7 24.19 224.63
 100.00 3 4 12 1840.89 -17.59 14.86 155.12 114.56 3 34 53 1240.9 -14.13 7.77
 100.00 13 19 13 4920.07 27.30 212.38 159.69 77.32 14 41 13 4320.1 25.28 204.17
 110.00 4 4 25 1652.32 -20.73 358.91 153.49 117.81 4 31 58 1052.3 -16.84 351.94
 110.00 14 35 28 4681.40 30.68 193.28 158.71 74.13 15 53 30 4081.4 28.20 184.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0704 TRA -.8459 TC3 -.4688 BAU .2001 SGT 1024.9 SGR 396.8 SG3 523.9 ST 274.2 SR 339.4 SS 409.5
 RDE -.3257 RRA .1535 RC3 .1245 FAU .17089 RRT -.5823 RRF -.6447 RTF .8354 CRT -.3987 CRS .8928 CST -.7631
 FDE 1.1294 FRA -2.5495 FC3 -4.7955 BSP 2580 SGB 1099.1 R23 .1323 R13 -.8475 LSA 551.3 MSA 231.7 SSA 20.9
 BDE .3332 BRA .8597 BC3 .4851 FSP -1667 SG1 1053.3 SG2 313.9 THA 166.03 EL1 370.6 EL2 230.3 ALF 120.84

LAUNCH DATE DEC 18 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 282.118

RL 147.20 LAL -.00 LOL 85.86 VL 28.601 GAL -10.08 AZL 87.15 HCA 131.74 SMA 134.71 ECC .19744 INC 2.8486 VI 30.266
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.325 GAP .68 A7P 91.90 TAL 232.39 TAP 4.13 RCA 108.12 APO 161.31 V2 35.036
 RC 86.309 GL 14.75 GP 8.66 ZAL 152.27 ZAP 93.76 ETS 358.26 ZAE 166.37 ETE 165.74 ZAC 38.00 ETC 165.64 CLP -93.80

PLANETOCENTRIC CONIC

C3 30.223 VHL 5.498 DLA -7.40 RAL 289.11 RAD 6568.2 VEL 12.312 PTH 2.22 VHP 3.329 DPA -13.25 RAP 304.93 ECC 1.4974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 32 2084.14 -16.20 33.39 155.71 113.54 2 23 16 1484.1 -12.88 26.29
 90.00 11 55 14 5191.25 26.00 232.64 160.03 78.38 13 21 45 4591.2 24.14 224.47
 100.00 3 6 19 1833.19 -17.38 14.39 155.16 114.71 3 36 53 1233.2 -13.90 7.32
 100.00 13 20 8 4917.43 27.26 212.20 159.72 77.23 14 42 5 4317.4 25.23 203.99
 110.00 4 6 27 1644.92 -20.49 358.47 153.53 117.98 4 33 52 1044.9 -16.59 351.52
 110.00 14 36 29 4678.47 30.63 193.07 158.74 74.02 15 54 28 4078.5 28.13 184.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0947 TRA -.9190 TC3 -.5933 BAU .2469 SGT 1169.7 SGR 400.4 SG3 528.9 ST 306.7 SR 330.1 SS 407.4
 RDE -.3130 RRA .1596 RC3 .1461 FAU .17141 RRT -.6384 RRF -.6893 RTF .8642 CRT -.4630 CRS .8981 CST -.8001
 FDE 1.1153 FRA -2.5139 FC3 -4.9101 BSP 3105 SGB 1236.3 R23 .1278 R13 -.8732 LSA 560.8 MSA 232.6 SSA 20.6
 BDE .3270 BRA .9328 BC3 .6110 FSP -1686 SG1 1199.2 SG2 300.6 THA 166.83 EL1 386.0 EL2 232.5 ALF 130.49

LAUNCH DATE DEC 18 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 288.409

RL 147.20 LAL -.00 LOL 85.86 VL 28.573 GAL -9.96 AZL 87.21 HCA 134.95 SMA 134.50 ECC .19640 INC 2.7894 VI 30.266
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.292 GAP 1.10 A7P 91.97 TAL 231.76 TAP 6.71 RCA 108.08 APO 160.91 V2 35.023
 RC 88.623 GL 14.59 GP 9.10 ZAL 151.98 ZAP 98.58 ETS 359.00 ZAE 162.89 ETE 166.38 ZAC 36.28 ETC 165.94 CLP -98.69

PLANETOCENTRIC CONIC

C3 29.575 VHL 5.438 DLA -7.51 RAL 289.56 RAD 6568.2 VEL 12.286 PTH 2.21 VHP 3.339 DPA -13.13 RAP 303.17 ECC 1.4867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 6 2075.45 -15.97 32.86 155.79 113.70 2 25 42 1475.5 -12.63 25.77
 90.00 11 56 13 5189.06 25.97 232.49 160.11 78.31 13 22 42 4589.1 24.10 224.32
 100.00 3 8 51 1824.67 -17.13 13.87 155.24 114.88 3 39 15 1224.7 -13.64 6.82
 100.00 13 21 10 4915.08 27.22 212.03 159.81 77.15 14 43 5 4315.1 25.18 203.83
 110.00 4 8 51 1636.77 -20.23 357.98 153.61 118.16 4 36 8 1036.8 -16.31 351.05
 110.00 14 37 39 4675.74 30.58 192.87 158.82 73.91 15 55 35 4075.7 28.07 184.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1166 TRA -.9910 TC3 -.7226 BAU .2934 SGT 1319.8 SGR 404.5 SG3 529.0 ST 339.8 SR 319.4 SS 400.9
 RDE -.2990 RRA .1650 RC3 .1687 FAU .17033 RRT -.6885 RRF -.7308 RTF .8842 CRT -.5108 CRS .9019 CST -.8269
 FDE 1.0796 FRA -2.4508 FC3 -4.9862 BSP 3641 SGB 1380.4 R23 .1266 R13 -.8911 LSA 569.1 MSA 232.3 SSA 20.3
 BDE .3209 BRA 1.0047 BC3 .7421 FSP -1697 SG1 1350.3 SG2 286.7 THA 167.51 EL1 405.7 EL2 230.0 ALF 138.46

LAUNCH DATE DEC 18 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 294.669

RL 147.20 LAL -.00 LOL 85.86 VL 28.542 GAL -9.83 AZL 87.28 HCA 138.15 SMA 134.25 ECC .19540 INC 2.7232 VI 30.266
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.257 GAP 1.50 A7P 92.03 TAL 231.06 TAP 9.21 RCA 108.02 APO 160.48 V2 35.010
 RC 90.946 GL 14.39 GP 9.57 ZAL 151.65 ZAP 103.15 ETS 359.81 ZAE 159.61 ETE 166.69 ZAC 34.79 ETC 166.35 CLP -103.34

PLANETOCENTRIC CONIC

C3 28.904 VHL 5.376 DLA -7.63 RAL 290.07 RAD 6568.2 VEL 12.259 PTH 2.21 VHP 3.367 DPA -12.91 RAP 301.64 ECC 1.4757
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 8 2065.66 -15.70 32.27 155.91 113.87 2 28 33 1465.7 -12.34 25.20
 90.00 11 57 16 5187.37 25.95 232.37 160.25 78.25 13 23 44 4587.4 24.07 224.20
 100.00 3 11 48 1815.08 -16.86 13.29 155.36 115.06 3 42 3 1215.1 -13.34 6.27
 100.00 13 22 17 4913.18 27.20 211.90 159.95 77.09 14 44 10 4313.2 25.15 203.70
 110.00 4 11 40 1627.65 -19.94 357.44 153.73 118.36 4 38 48 1027.6 -15.99 350.54
 110.00 14 38 55 4673.38 30.53 192.70 158.96 73.82 15 56 48 4073.4 28.01 184.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1356 TRA -1.0604 TC3 -.8559 BAU .3389 SGT 1472.4 SGR 409.0 SG3 523.1 ST 372.4 SR 307.8 SS 393.0
 RDE -.2842 RRA .1691 RC3 .1916 FAU .16731 RRT -.7319 RRF -.7694 RTF .8978 CRT -.5461 CRS .9074 CST -.8426
 FDE 1.0377 FRA -2.3528 FC3 -5.0113 BSP 4176 SGB 1528.1 R23 .1305 R13 -.9034 LSA 577.9 MSA 231.3 SSA 19.9
 BDE .3149 BRA 1.0738 BC3 .8771 FSP -1678 SG1 1503.5 SG2 272.9 THA 168.11 EL1 427.8 EL2 224.4 ALF 144.66

LAUNCH DATE DEC 18 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 300.901

RL 147.20 LAL -0.00 LOL 85.86 VL 28.506 GAL -9.69 AZL 87.35 HCA 141.35 SMA 133.98 ECC .19446 INC 2.6482 V1 30.266
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.218 GAP 1.89 AZP 92.07 TAL 230.28 TAP 11.64 RCA 107.92 APO 160.03 V2 34.996
 RC 93.279 GL 14.15 GP 10.09 ZAL 151.29 ZAP 107.45 ETS .70 ZAE 156.52 ETE 166.77 ZAC 33.54 ETC 166.93 CLP-107.73

PLANETOCENTRIC CONIC

C3 28.210 VHL 5.311 CLA -7.79 RAL 290.64 RAD 6568.1 VEL 12.230 PTH 2.20 VHP 3.409 DPA -12.59 RAP 300.36 ECC 1.4643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 41 2054.41 -15.39 31.59 156.07 114.07 2 31 55 1454.4 -12.01 24.54
 90.00 11 58 18 5186.48 25.94 232.31 160.44 78.22 13 24 45 4586.5 24.05 224.14
 100.00 3 15 16 1804.11 -16.54 12.63 155.52 115.26 3 45 20 1204.1 -13.00 5.63
 100.00 13 23 24 4912.02 27.18 211.82 160.14 77.05 14 45 16 4312.0 25.12 203.62
 110.00 4 14 57 1617.26 -19.60 356.82 153.89 118.58 4 41 54 1017.3 -15.63 349.95
 110.00 14 40 13 4671.63 30.50 192.58 159.15 73.75 15 58 5 4071.6 27.97 184.29

DIFFERENTIAL CORRECTIONS

TOE .1508 TRA-1.1262 TC3 -.9926 BAU .3831
 RDE -.2683 RRA .1724 RC3 .2161 FAU .16323
 FDE .9793 FRA-2.2382 FC3-5.0093 BSP 4710
 BDE .3078 BRA 1.1393 BC3 1.0159 FSP -1656

MID-COURSE EXECUTION ACCURACY

SGT 1625.4 SGR 414.4 SG3 513.8
 RRT -.7711 RRF -.8054 RTF .9074
 SGB 1677.4 R23 .1374 R13 -.9121
 SG1 1657.3 SG2 258.8 TMA 168.60

ORBIT DETERMINATION ACCURACY

ST 403.5 SR 294.9 SS 381.3
 CRT -.5716 CRS .9115 CST -.8536
 LSA 585.1 MSA 228.9 SSA 19.5
 EL1 450.3 EL2 216.8 ALF 149.56

LAUNCH DATE DEC 18 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 307.104

RL 147.20 LAL -0.00 LOL 85.86 VL 28.468 GAL -9.55 AZL 87.44 HCA 144.55 SMA 133.68 ECC .19356 INC 2.5620 V1 30.266
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.177 GAP 2.26 AZP 92.09 TAL 229.43 TAP 13.99 RCA 107.81 APO 159.55 V2 34.983
 RC 95.621 GL 13.85 GP 10.68 ZAL 150.89 ZAP 111.46 ETS 1.71 ZAE 153.65 ETE 166.64 ZAC 32.53 ETC 167.71 CLP-111.86

PLANETOCENTRIC CONIC

C3 27.491 VHL 5.243 CLA -8.00 RAL 291.28 RAD 6568.1 VEL 12.201 PTH 2.19 VHP 3.465 DPA -12.15 RAP 299.34 ECC 1.4524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 53 2041.24 -15.02 30.80 156.28 114.29 2 35 54 1441.2 -11.62 23.77
 90.00 11 59 13 5186.79 25.94 232.33 160.70 78.23 13 25 40 4586.8 24.06 224.16
 100.00 3 19 22 1791.29 -16.17 11.87 155.73 115.49 3 49 13 1191.3 -12.60 4.89
 100.00 13 24 25 4911.98 27.18 211.81 160.39 77.05 14 46 17 4312.0 25.12 203.62
 110.00 4 18 47 1605.21 -19.21 356.11 154.09 118.84 4 45 32 1005.2 -15.21 349.27
 110.00 14 41 29 4670.82 30.48 192.52 159.41 73.72 15 59 20 4070.8 27.95 184.24

DIFFERENTIAL CORRECTIONS

TOE .1619 TRA-1.1869 TC3-1.1325 BAU .4256
 RDE -.2518 RRA .1745 RC3 .2419 FAU .15784
 FDE .9171 FRA-2.1014 FC3-4.9706 BSP 5229
 BDE .2993 BRA 1.1997 BC3 1.1580 FSP -1611

MID-COURSE EXECUTION ACCURACY

SGT 1776.8 SGR 420.9 SG3 500.4
 RRT -.8053 RRF -.8387 RTF .9138
 SGB 1826.0 R23 .1494 R13 -.9180
 SG1 1809.5 SG2 245.1 TMA 169.00

ORBIT DETERMINATION ACCURACY

ST 432.4 SR 281.2 SS 368.2
 CRT -.5891 CRS .9168 CST -.8578
 LSA 591.7 MSA 226.2 SSA 19.0
 EL1 471.9 EL2 208.2 ALF 153.49

LAUNCH DATE DEC 18 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 313.280

RL 147.20 LAL -0.00 LOL 85.86 VL 28.426 GAL -9.40 AZL 87.54 HCA 147.75 SMA 133.36 ECC .19270 INC 2.4613 V1 30.266
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.135 GAP 2.61 AZP 92.08 TAL 228.52 TAP 16.27 RCA 107.67 APO 159.06 V2 34.970
 RC 97.969 GL 13.47 GP 11.38 ZAL 150.47 ZAP 115.19 ETS 2.86 ZAE 150.99 ETE 166.32 ZAC 31.77 ETC 168.73 CLP-115.73

PLANETOCENTRIC CONIC

C3 26.747 VHL 5.172 CLA -8.28 RAL 291.99 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 3.532 DPA -11.56 RAP 298.57 ECC 1.4402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 53 2025.47 -14.58 29.85 156.52 114.55 2 40 39 1425.5 -11.14 22.85
 90.00 11 59 52 5188.92 25.97 232.48 161.02 78.30 13 26 21 4588.9 24.10 224.31
 100.00 3 24 13 1775.99 -15.72 10.95 155.97 115.76 3 53 49 1176.0 -12.12 4.00
 100.00 13 25 13 4913.63 27.20 211.93 160.72 77.10 14 47 7 4313.6 25.15 203.73
 110.00 4 23 19 1590.94 -18.73 355.27 154.33 119.13 4 49 50 990.9 -14.71 348.47
 110.00 14 42 36 4671.45 30.49 192.56 159.74 73.75 16 0 28 4071.4 27.97 184.28

DIFFERENTIAL CORRECTIONS

TOE .1669 TRA-1.2425 TC3-1.2771 BAU .4668
 RDE -.2341 RRA .1761 RC3 .2708 FAU .15201
 FDE .8401 FRA-1.9590 FC3-4.9203 BSP 5755
 BDE .2875 BRA 1.2550 BC3 1.3055 FSP -1571

MID-COURSE EXECUTION ACCURACY

SGT 1927.2 SGR 429.6 SG3 485.5
 RRT -.8360 RRF -.8696 RTF .9184
 SGB 1974.5 R23 .1649 R13 -.9223
 SG1 1960.9 SG2 231.7 TMA 169.29

ORBIT DETERMINATION ACCURACY

ST 458.2 SR 266.1 SS 350.9
 CRT -.5984 CRS .9201 CST -.8592
 LSA 595.1 MSA 222.4 SSA 18.5
 EL1 491.1 EL2 198.9 ALF 156.81

LAUNCH DATE DEC 18 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 319.431

RL 147.20 LAL -0.00 LOL 85.86 VL 28.383 GAL -9.24 AZL 87.66 HCA 150.94 SMA 133.03 ECC .19188 INC 2.3410 V1 30.266
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.090 GAP 2.95 AZP 92.05 TAL 227.54 TAP 18.48 RCA 107.51 APO 158.56 V2 34.957
 RC 100.323 GL 12.98 GP 12.23 ZAL 150.02 ZAP 118.62 ETS 4.19 ZAE 148.51 ETE 165.78 ZAC 31.24 ETC 170.07 CLP-119.35

PLANETOCENTRIC CONIC

C3 25.975 VHL 5.097 CLA -8.66 RAL 292.78 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 3.610 DPA -10.78 RAP 298.03 ECC 1.4275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 58 2006.12 -14.03 28.70 156.81 114.85 2 46 24 1406.1 -10.56 21.73
 90.00 12 0 2 5193.75 26.04 232.81 161.42 78.46 13 26 36 4593.8 24.19 224.64
 100.00 3 30 6 1757.28 -15.16 9.84 156.26 116.08 3 59 23 1157.3 -11.53 2.93
 100.00 13 25 35 4917.82 27.27 212.23 161.12 77.25 14 47 33 4317.8 25.24 204.01
 110.00 4 28 45 1573.63 -18.16 354.26 154.61 119.47 4 54 59 973.6 -14.10 347.50
 110.00 14 43 25 4674.24 30.55 192.76 160.16 73.86 16 1 19 4074.2 28.03 184.47

DIFFERENTIAL CORRECTIONS

TOE .1654 TRA-1.2915 TC3-1.4262 BAU .5063
 RDE -.2155 RRA .1769 RC3 .3033 FAU .14561
 FDE .7554 FRA-1.8083 FC3-4.8532 BSP 6271
 BDE .2717 BRA 1.3036 BC3 1.4581 FSP -1523

MID-COURSE EXECUTION ACCURACY

SGT 2074.8 SGR 441.3 SG3 468.7
 RRT -.8627 RRF -.8977 RTF .9214
 SGB 2121.3 R23 .1855 R13 -.9251
 SG1 2109.9 SG2 219.5 TMA 169.49

ORBIT DETERMINATION ACCURACY

ST 480.2 SR 249.9 SS 330.7
 CRT -.6005 CRS .9226 CST -.8569
 LSA 595.6 MSA 217.6 SSA 18.0
 EL1 507.2 EL2 189.2 ALF 159.71

LAUNCH DATE DEC 18 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 325.557

RL 147.20 LAL -.00 LOL 85.86 VL 28.337 GAL -9.07 AZL 87.81 MCA 154.13 SMA 132.69 ECC .19111 INC 2.1940 V1 30.266
 RP 108.44 LAP .96 LOP 240.01 VP 38.045 GAP 3.27 A7P 91.97 TAL 226.51 TAP 20.64 RCA 107.33 APO 158.04 V2 34.945
 RC 102.682 GL 12.33 GP 13.28 ZAL 149.57 ZAP 121.74 ETS 5.78 ZAE 146.18 ETE 164.98 ZAC 30.95 ETC 171.80 CLP-122.72

PLANETOCENTRIC CONIC

C3 25.172 VML 5.017 OLA -9.17 RAL 293.64 RAD 6568.0 VEL 12.106 PTH 2.17 VMP 3.699 OPA -9.76 RAP 297.69 ECC 1.4143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 30 1981.69 -13.32 27.25 157.15 115.22 2 53 32 1381.7 -9.82 20.32
 90.00 11 59 24 5202.67 26.16 233.44 161.92 78.75 13 26 7 4602.7 24.34 225.24
 100.00 3 37 22 1733.74 -14.45 8.45 156.59 116.46 4 6 16 1133.7 -10.78 1.58
 100.00 13 25 14 4925.85 27.38 212.79 161.63 77.52 14 47 20 4325.8 25.39 204.56
 110.00 4 35 24 1552.02 -17.43 353.01 154.93 119.88 5 1 16 952.0 -13.32 346.30
 110.00 14 43 41 4680.33 30.66 193.20 160.69 74.09 16 1 42 4080.3 28.18 184.89

DIFFERENTIAL CORRECTIONS

TOE .1568 TRA-1.3316 TC3-1.5797 BAU .5438
 RDE -.1965 RRA .1763 RC3 .3402 FAU .13848
 FDE .6686 FRA-1.6446 FC3-4.7626 BSP 6752
 BDE .2513 BRA 1.3433 BC3 1.6159 FSP -1456

MID-COURSE EXECUTION ACCURACY

SGT 2217.5 SGR 456.6 SG3 449.3
 RRT -.8844 RRF -.9227 RTF .9229
 SGB 2264.0 R23 .2123 R13 -.9267
 SG1 2254.3 SG2 209.6 THA 169.59

ORBIT DETERMINATION ACCURACY

ST 497.9 SR 232.8 SS 308.1
 CRT -.5948 CRS .9256 CST -.8486
 LSA 592.9 MSA 212.6 SSA 17.4
 EL1 519.5 EL2 179.3 ALF 162.28

LAUNCH DATE DEC 18 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 331.660

RL 147.20 LAL -.00 LOL 85.86 VL 28.289 GAL -8.90 AZL 87.99 MCA 157.32 SMA 132.33 ECC .19039 INC 2.0090 V1 30.266
 RP 108.48 LAP .77 LOP 243.20 VP 37.998 GAP 3.58 A7P 91.85 TAL 225.42 TAP 22.74 RCA 107.13 APO 157.52 V2 34.932
 RC 105.043 GL 11.46 GP 14.64 ZAL 149.12 ZAP 124.54 ETS 7.73 ZAE 143.98 ETE 163.86 ZAC 30.88 ETC 174.04 CLP-125.87

PLANETOCENTRIC CONIC

C3 24.334 VML 4.933 OLA -9.90 RAL 294.60 RAD 6568.0 VEL 12.071 PTH 2.16 VMP 3.800 OPA -8.41 RAP 297.53 ECC 1.4005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 9 1949.74 -12.39 25.37 157.56 115.67 3 2 39 1349.7 -8.83 18.49
 90.00 11 57 26 5217.95 26.36 234.51 162.57 79.26 13 24 24 4618.0 24.61 226.28
 100.00 3 46 37 1703.08 -13.51 6.66 156.99 116.92 4 15 0 1103.1 -9.79 359.84
 100.00 13 23 40 4939.85 27.59 213.78 162.29 78.01 14 46 0 4339.8 25.66 205.52
 110.00 4 43 45 1524.14 -16.48 351.41 155.31 120.38 5 9 9 924.1 -12.32 344.77
 110.00 14 43 1 4691.55 30.87 194.01 161.37 74.53 16 1 12 4091.5 28.44 185.65

DIFFERENTIAL CORRECTIONS

TOE .1358 TRA-1.3637 TC3-1.7428 BAU .5807
 RDE -.1755 RRA .1755 RC3 .3853 FAU .13133
 FDE .5631 FRA-1.4833 FC3-4.6726 BSP 7249
 BDE .2219 BRA 1.3750 BC3 1.7849 FSP -1398

MID-COURSE EXECUTION ACCURACY

SGT 2359.4 SGR 478.4 SG3 429.7
 RRT -.9023 RRF -.9446 RTF .9239
 SGB 2407.4 R23 .2429 R13 -.9278
 SG1 2398.8 SG2 202.9 THA 169.56

ORBIT DETERMINATION ACCURACY

ST 510.1 SR 213.4 SS 279.0
 CRT -.5758 CRS .9235 CST -.8382
 LSA 584.2 MSA 205.1 SSA 16.9
 EL1 526.5 EL2 169.1 ALF 164.86

LAUNCH DATE DEC 18 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 337.740

RL 147.20 LAL -.00 LOL 85.86 VL 28.240 GAL -8.71 AZL 88.23 MCA 160.50 SMA 131.96 ECC .18971 INC 1.7676 V1 30.266
 RP 108.52 LAP .59 LOP 246.38 VP 37.950 GAP 3.88 A7P 91.67 TAL 224.29 TAP 24.79 RCA 106.93 APO 156.99 V2 34.920
 RC 107.406 GL 10.24 GP 16.43 ZAL 148.68 ZAP 126.96 ETS 10.19 ZAE 141.81 ETE 162.31 ZAC 31.05 ETC 176.97 CLP-128.82

PLANETOCENTRIC CONIC

C3 23.456 VML 4.843 OLA -10.95 RAL 295.69 RAD 6568.0 VEL 12.035 PTH 2.15 VMP 3.916 OPA -6.61 RAP 297.50 ECC 1.3860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 2 1906.18 -11.09 22.82 158.06 116.22 3 14 48 1306.2 -7.48 16.01
 90.00 11 53 13 5243.53 26.67 236.32 163.43 80.11 13 20 37 4643.5 25.03 228.04
 100.00 3 58 53 1661.44 -12.22 4.25 157.48 117.50 4 26 35 1061.4 -8.44 357.50
 100.00 13 20 3 4963.50 27.91 215.47 163.17 78.84 14 42 47 4363.5 26.09 207.14
 110.00 4 54 42 1486.65 -15.17 349.28 155.77 121.00 5 19 29 886.6 -10.95 342.72
 110.00 14 40 43 4711.06 31.21 195.43 162.29 75.30 15 59 15 4111.1 28.88 187.00

DIFFERENTIAL CORRECTIONS

TOE .0998 TRA-1.3833 TC3-1.9145 BAU .6160
 RDE -.1528 RRA .1732 RC3 .4405 FAU .12353
 FDE .4455 FRA-1.3110 FC3-4.5592 BSP 7721
 BDE .1825 BRA 1.3941 BC3 1.9645 FSP -1325

MID-COURSE EXECUTION ACCURACY

SGT 2496.2 SGR 508.2 SG3 407.8
 RRT -.9147 RRF -.9627 RTF .9239
 SGB 2547.4 R23 .2773 R13 -.9281
 SG1 2539.4 SG2 201.9 THA 169.38

ORBIT DETERMINATION ACCURACY

ST 516.8 SR 191.7 SS 244.0
 CRT -.5385 CRS .9160 CST -.8227
 LSA 570.1 MSA 195.0 SSA 16.5
 EL1 528.1 EL2 158.1 ALF 167.57

LAUNCH DATE DEC 18 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 343.799

RL 147.20 LAL -.00 LOL 85.86 VL 28.189 GAL -8.53 AZL 88.56 MCA 163.69 SMA 131.58 ECC .18908 INC 1.4357 V1 30.266
 RP 108.56 LAP .40 LOP 249.56 VP 37.901 GAP 4.17 A7P 91.38 TAL 223.11 TAP 26.79 RCA 106.70 APO 156.46 V2 34.909
 RC 109.770 GL 8.46 GP 18.90 ZAL 148.26 ZAP 128.91 ETS 13.40 ZAE 139.56 ETE 160.16 ZAC 31.50 ETC 180.88 CLP-131.60

PLANETOCENTRIC CONIC

C3 22.538 VML 4.747 OLA -12.53 RAL 296.95 RAD 6567.9 VEL 11.997 PTH 2.14 VMP 4.056 OPA -4.11 RAP 297.52 ECC 1.3709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 19 1843.30 -9.17 19.20 158.75 116.91 3 32 2 1243.3 -5.49 12.45
 90.00 11 44 59 5286.96 27.14 239.41 164.63 81.59 13 13 6 4687.0 25.70 231.04
 100.00 4 16 12 1601.65 -10.31 .83 158.15 118.21 4 42 54 1001.6 -6.46 354.16
 100.00 13 12 46 5003.84 28.41 218.36 164.41 80.28 14 36 10 4403.8 26.77 209.94
 110.00 5 9 55 1433.44 -13.29 346.31 156.40 121.79 5 33 48 833.4 -8.99 339.85
 110.00 14 35 33 4744.82 31.77 197.90 163.61 76.67 15 54 38 4144.8 29.61 189.36

DIFFERENTIAL CORRECTIONS

TOE .0385 TRA-1.3882 TC3-2.0998 BAU .6513
 RDE -.1254 RRA .1699 RC3 .5127 FAU .11527
 FDE .2970 FRA-1.1344 FC3-4.4279 BSP 8204
 BDE .1312 BRA 1.3985 BC3 2.1615 FSP -1253

MID-COURSE EXECUTION ACCURACY

SGT 2631.1 SGR 551.3 SG3 384.2
 RRT -.9224 RRF -.9771 RTF .9237
 SGB 2688.2 R23 .3099 R13 -.9285
 SG1 2680.1 SG2 209.1 THA 168.99

ORBIT DETERMINATION ACCURACY

ST 520.4 SR 164.5 SS 198.7
 CRT -.4712 CRS .8852 CST -.8164
 LSA 553.5 MSA 175.2 SSA 16.6
 EL1 526.6 EL2 143.4 ALF 170.84

LAUNCH DATE DEC 18 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 349.837
 RL 147.20 LAL -.00 LOL 85.86 VL 28.137 GAL -8.33 AZL 89.05 HCA 166.87 SMA 131.20 ECC .18851 INC .9476 V1 30.266
 RP 108.59 LAP .22 LOP 232.73 VP 37.852 GAP 4.45 AZP 90.92 TAL 221.88 TAP 28.75 RCA 106.47 APO 155.93 V2 34.897
 RC 112.133 GL 5.70 GP 22.49 ZAL 147.84 ZAP 130.15 ETS 17.76 ZAE 136.98 ETE 157.14 ZAC 32.39 ETC 186.30 CLP-134.23

PLANETOCENTRIC CONIC

C3 21.594 VHL 4.647 DLA -15.06 RAL 298.48 RAD 6567.9 VEL 11.957 PTH 2.13 VHP 4.240 DPA -.49 RAP 297.48 ECC 1.3554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 47 1744.77 -6.09 13.60 159.88 117.71 3 58 52 1144.8 -2.34 6.93
 90.00 11 28 45 5364.77 27.79 245.02 166.49 84.33 12 58 10 4764.8 26.71 236.51
 100.00 4 42 57 1508.69 -7.28 355.60 159.24 119.07 5 8 6 908.7 -3.35 349.02
 100.00 12 58 16 5076.08 29.13 223.61 166.32 82.96 14 22 52 4476.1 27.84 215.04
 110.00 5 32 58 1352.04 -10.32 341.87 157.39 122.77 5 55 30 752.0 -5.93 335.53
 110.00 14 24 45 4805.50 32.63 202.42 165.68 79.21 15 44 51 4205.5 30.80 193.68

DIFFERENTIAL CORRECTIONS

TDE -.0626 TRA-1.3680 TC3-2.2957 BAU .6856
 RDE -.0893 RRA .1629 RC3 .6085 FAU .10547
 FDE .1113 FRA -.9352 FC3-4.2284 BSP 8634
 BDE .1091 BRA 1.3776 BC3 2.3749 FSP -1155

MID-COURSE EXECUTION ACCURACY

SGT 2758.4 SGR 612.5 SG3 355.1
 RRT -.9240 RRF -.9875 RTF .9227
 SGB 2825.6 R23 .3374 R13 -.9285
 SG1 2816.3 SG2 229.3 THA 168.33

ORBIT DETERMINATION ACCURACY

ST 533.5 SR 127.7 SS 147.0
 CRT -.3710 CRS .7700 CST -.8625
 LSA 551.1 MSA 136.0 SSA 18.1
 EL1 535.7 EL2 118.1 ALF 174.67

LAUNCH DATE DEC 18 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 355.854
 RL 147.20 LAL -.00 LOL 85.86 VL 28.083 GAL -8.12 AZL 89.84 HCA 170.05 SMA 130.82 ECC .18798 INC .1455 V1 30.266
 RP 108.63 LAP .03 LOP 255.91 VP 37.802 GAP 4.72 AZP 90.16 TAL 220.61 TAP 30.66 RCA 106.22 APO 155.41 V2 34.886
 RC 114.493 GL -.97 GP 28.06 ZAL 147.20 ZAP 130.10 ETS 23.90 ZAE 133.50 ETE 152.82 ZAC 34.13 ETC 194.10 CLP-136.88

PLANETOCENTRIC CONIC

C3 20.724 VHL 4.552 DLA -19.49 RAL 300.56 RAD 6567.8 VEL 11.921 PTH 2.12 VHP 4.523 DPA 5.10 RAP 297.13 ECC 1.3411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 17 1566.49 -.38 3.61 162.31 118.31 4 48 23 966.5 3.41 356.98
 90.00 10 52 50 5523.28 28.32 256.57 169.71 90.09 12 24 53 4923.3 28.03 247.92
 100.00 5 31 26 1343.35 -1.73 346.46 161.56 119.85 5 53 49 743.3 2.26 339.94
 100.00 12 26 22 5221.66 29.86 234.36 169.68 88.56 13 53 24 4621.7 29.34 225.60
 110.00 6 13 23 1211.90 -5.08 334.41 159.48 123.85 6 33 35 611.9 -.60 328.19
 110.00 14 0 55 4925.88 33.80 211.62 169.41 84.54 15 23 1 4325.9 32.67 202.56

DIFFERENTIAL CORRECTIONS

TDE -.2494 TRA-1.3103 TC3-2.4999 BAU .7225
 RDE -.0290 RRA .1492 RC3 .7426 FAU .09320
 FDE -.1528 FRA -.7103 FC3-3.8936 BSP 9129
 BDE .2511 BRA 1.3187 BC3 2.6079 FSP -1037

MID-COURSE EXECUTION ACCURACY

SGT 2887.8 SGR 705.8 SG3 317.5
 RRT -.9204 RRF -.9943 RTF .9224
 SGB 2972.8 R23 .3526 R13 -.9298
 SG1 2960.6 SG2 269.2 THA 167.21

ORBIT DETERMINATION ACCURACY

ST 615.3 SR 72.9 SS 140.5
 CRT -.4747 CRS .4634 CST -.9807
 LSA 631.6 MSA 64.1 SSA 26.8
 EL1 616.3 EL2 64.1 ALF 176.75

LAUNCH DATE DEC 18 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 361.850
 RL 147.20 LAL -.00 LOL 85.86 VL 28.029 GAL -7.91 AZL 91.36 HCA 173.22 SMA 130.43 ECC .18751 INC 1.3591 V1 30.266
 RP 108.66 LAP -.16 LOP 259.08 VP 37.752 GAP 4.97 AZP 88.65 TAL 219.30 TAP 32.52 RCA 105.97 APO 154.88 V2 34.875
 RC 116.852 GL -8.36 GP 37.58 ZAL 145.06 ZAP 127.26 ETS 32.79 ZAE 127.62 ETE 146.75 ZAC 38.03 ETC 205.69 CLP-139.82

PLANETOCENTRIC CONIC

C3 20.546 VHL 4.533 DLA -28.33 RAL 304.10 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 5.097 DPA 14.53 RAP 295.82 ECC 1.3381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.02 7 43 20 925.76 19.48 326.66 173.08 110.99 7 58 46 325.8 22.16 319.01
 90.98 7 59 58 871.85 19.49 322.72 173.08 110.98 8 14 30 271.9 22.17 315.07
 100.00 7 52 3 897.50 13.02 321.59 170.08 117.15 8 7 1 297.5 16.56 314.58
 100.00 10 33 56 5663.39 26.22 266.46 175.44 104.90 12 8 20 5063.4 28.01 258.12
 110.00 7 51 51 898.14 6.87 317.98 166.42 123.57 8 6 49 298.1 11.24 311.61
 110.00 12 50 38 5235.51 33.19 235.66 177.12 98.68 14 17 54 4635.5 34.04 226.52

DIFFERENTIAL CORRECTIONS

TDE -.6447 TRA-1.1629 TC3-2.6210 BAU .7614
 RDE .1027 RRA .1099 RC3 .9016 FAU .07452
 FDE -.5329 FRA -.4208 FC3-3.1400 BSP 9646
 BDE .6528 BRA 1.1681 BC3 2.7718 FSP -845

MID-COURSE EXECUTION ACCURACY

SGT 3016.4 SGR 842.5 SG3 258.1
 RRT -.9095 RRF -.9972 RTF .9236
 SGB 3131.9 R23 .3520 R13 -.9339
 SG1 3113.5 SG2 339.3 THA 165.57

ORBIT DETERMINATION ACCURACY

ST 959.2 SR 140.3 SS 309.5
 CRT -.9750 CRS .9949 CST -.9580
 LSA 1013.7 MSA 88.7 SSA 8.8
 EL1 968.9 EL2 30.9 ALF 171.87

LAUNCH DATE DEC 18 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 367.815
 RL 147.20 LAL -.00 LOL 85.86 VL 27.975 GAL -7.69 AZL 95.51 HCA 176.37 SMA 130.04 ECC .18708 INC 5.5122 V1 30.266
 RP 108.69 LAP -.35 LOP 262.25 VP 37.702 GAP 5.22 AZP 84.50 TAL 217.95 TAP 34.32 RCA 105.71 APO 154.36 V2 34.865
 RC 119.206 GL -30.72 GP 55.76 ZAL 133.66 ZAP 117.64 ETS 45.96 ZAE 114.88 ETE 140.46 ZAC 48.01 ETC 222.96 CLP-145.54

PLANETOCENTRIC CONIC

C3 27.185 VHL 5.214 DLA -49.23 RAL 314.92 RAD 6568.1 VEL 12.189 PTH 2.19 VHP 7.009 DPA 32.20 RAP 290.76 ECC 1.4474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.89 4 26 12 1719.66 29.12 35.87 196.19 131.62 4 54 52 1119.7 34.24 29.05
 132.11 12 43 26 5502.79 29.14 255.42 196.20 131.61 14 15 9 4902.8 34.25 248.61
 47.89 4 26 12 1719.66 29.12 35.87 196.19 131.62 4 54 52 1119.7 34.24 29.05
 132.11 12 43 26 5502.79 29.14 255.42 196.20 131.61 14 15 9 4902.8 34.25 248.61
 47.89 4 26 12 1719.66 29.12 35.87 196.19 131.62 4 54 52 1119.7 34.24 29.05
 132.11 12 43 26 5502.79 29.14 255.42 196.20 131.61 14 15 9 4902.8 34.25 248.61

DIFFERENTIAL CORRECTIONS

TDE -1.8839 TRA -.6914 TC3-2.0165 BAU .7850
 RDE .5034 RRA -.0497 RC3 .7740 FAU .04275
 FDE -1.0387 FRA -.0384 FC3-1.3613 BSP 10313
 BDE 1.9500 BRA .6932 BC3 2.1599 FSP -517

MID-COURSE EXECUTION ACCURACY

SGT 3171.9 SGR 982.1 SG3 157.5
 RRT -.8812 RRF -.9888 RTF .9380
 SGB 3320.5 R23 .3095 R13 -.9504
 SG1 3290.2 SG2 447.6 THA 164.44

ORBIT DETERMINATION ACCURACY

ST 2100.4 SR 554.2 SS 691.8
 CRT -.9775 CRS .9980 CST -.9888
 LSA 2275.2 MSA 144.6 SSA 1.4
 EL1 2169.4 EL2 113.3 ALF 165.50

LAUNCH DATE DEC 18 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 23 1966

MELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 27.920 GAL -7.41 AZL 140.48 HCA 179.31 SMA 129.64 ECC .18616 INC50.4754 V1 30.266
 RP 108.72 LAP -.53 LOP 265.42 VP 37.652 GAP 5.40 AZP 39.52 TAL 216.42 TAP 35.73 RCA 105.51 APO 153.78 V2 34.856
 RC 121.557 GL -58.46 GP 66.48 ZAL 97.93 ZAP 95.86 ETS 162.42 ZAE 71.41 ETE 241.24 ZAC 71.06 ETC 348.16 CLP 104.83

PLANETOCENTRIC CONIC
 C3 628.071 VHL 25.061 DLA -58.34 RAL 19.99 RAD 6572.6 VEL 27.375 PTH 3.40 VHP 33.003 CPA 55.71 RAP 232.98 ECC11.3365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.61 8 12 45 2359.39 1.15 69.48 289.26 148.33 8 52 4 1759.4 7.95 65.66
 143.39 17 36 2 710.20 1.16 295.18 289.28 148.33 17 47 52 110.2 7.96 291.37
 36.61 8 12 45 2359.39 1.15 69.48 289.26 148.33 8 52 4 1759.4 7.95 65.66
 143.39 17 36 2 710.20 1.16 295.18 289.28 148.33 17 47 52 110.2 7.96 291.37
 36.61 8 12 45 2359.39 1.15 69.48 289.26 148.33 8 52 4 1759.4 7.95 65.66
 143.39 17 36 2 710.20 1.16 295.18 289.28 148.33 17 47 52 110.2 7.96 291.37

DIFFERENTIAL CORRECTIONS
 TOE 2.4009 TRA .4866 TC3 -.0370 BAU 1.5593 SGT 616.9 SGR 3221.6 SG3 51.9 ST 552.6 SR 1732.8 SS 852.0
 RDE 6.7120 RRA 6.1576 RC3 .1820 FAU-.02245 RRT -.2230 RRF .9976 RTF -.1557 CRT -.8264 CRS -.9976 CST .7856
 FDE -1.1128 FRA 1.1988 FC3 .0309 BSP 3339 SGB 1983.9 R23 -.0766 R13 .9970 LSA 1983.9 MSA 313.2 SSA .5
 BDE 7.1285 BRA 6.1768 BC3 .1857 FSP -61 SG1 3224.6 SG2 600.8 THA 92.53 EL1 1793.8 EL2 300.6 ALF 105.20

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 25 1966

MELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 27.864 GAL -7.24 AZL 75.22 HCA 182.82 SMA 129.25 ECC .18676 INC14.7798 V1 30.266
 RP 108.75 LAP -.72 LOP 268.59 VP 37.602 GAP 5.73 AZP 104.76 TAL 215.23 TAP 38.05 RCA 105.11 APO 153.39 V2 34.846
 RC 123.903 GL 55.27 GP -61.50 ZAL 113.14 ZAP 115.18 ETS 294.10 ZAE 103.99 ETE 208.36 ZAC 79.40 ETC 113.76 CLP-153.08

PLANETOCENTRIC CONIC
 C3 73.625 VHL 8.580 DLA 35.89 RAL 298.22 RAD 6569.4 VEL 13.963 PTH 2.55 VHP 8.448 CPA -80.97 RAP 349.91 ECC 2.2117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.97 16 39 18 4386.63 -13.35 193.85 189.09 56.37 17 52 24 3786.6 -17.68 187.28
 113.03 22 13 10 3329.96 -13.35 114.56 189.08 56.37 23 8 40 2730.0 -17.66 107.99
 66.97 16 39 18 4386.63 -13.35 193.85 189.09 56.37 17 52 24 3786.6 -17.68 187.28
 113.03 22 13 10 3329.96 -13.35 114.56 189.08 56.37 23 8 40 2730.0 -17.66 107.99
 66.97 16 39 18 4386.63 -13.35 193.85 189.09 56.37 17 52 24 3786.6 -17.68 187.28
 113.03 22 13 10 3329.96 -13.35 114.56 189.08 56.37 23 8 40 2730.0 -17.66 107.99

DIFFERENTIAL CORRECTIONS
 TOE 3.7441 TRA-2.7278 TC3 -.6386 BAU .6330 SGT 3536.4 SGR 376.6 SG3 119.2 ST 2589.7 SR 185.5 SS 822.6
 RDE .2390 RRA .3825 RC3 -.0759 FAU .02807 RRT -.1254 RRF .1280 RTF .9678 CRT .6979 CRS -.7702 CST -.9943
 FDE 1.6670 FRA -.7116 FC3 -.3301 BSP 10892 SGB 3556.4 R23 -.2528 R13 -.9674 LSA 2719.1 MSA 155.8 SSA .4
 BDE 3.7517 BRA 2.7545 BC3 .6431 FSP -403 SG1 3536.8 SG2 373.6 THA 179.23 EL1 2593.0 EL2 132.7 ALF 2.87

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 27 1966

MELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 27.808 GAL -7.00 AZL 81.29 HCA 185.96 SMA 128.86 ECC .18651 INC 8.7124 V1 30.266
 RP 108.78 LAP -.90 LOP 271.76 VP 37.553 GAP 5.95 AZP 98.67 TAL 213.77 TAP 39.73 RCA 104.83 APO 152.90 V2 34.838
 RC 126.245 GL 43.48 GP -38.47 ZAL 122.29 ZAP 131.56 ETS 312.20 ZAE 120.21 ETE 208.95 ZAC 63.81 ETC 129.20 CLP-147.91

PLANETOCENTRIC CONIC
 C3 36.914 VHL 6.076 DLA 23.91 RAL 299.58 RAD 6568.4 VEL 12.581 PTH 2.28 VHP 5.644 DPA -58.89 RAP 320.66 ECC 1.6075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 49 50 3228.27 -25.70 112.72 180.96 77.67 22 43 38 2628.3 -27.14 104.35
 90.00 17 13 31 4147.92 -1.64 169.08 171.89 61.73 18 22 38 3547.9 -5.41 162.42
 100.00 23 30 44 2902.98 -27.99 89.32 181.49 79.06 24 19 7 2303.0 -29.22 80.73
 100.00 18 15 18 3948.45 .41 153.28 170.75 60.11 19 21 7 3348.4 -3.57 146.75
 110.00 1 21 39 2568.24 -33.42 64.93 182.53 82.35 2 4 27 1968.2 -34.11 55.75
 110.00 18 44 48 3855.95 5.08 143.37 167.85 56.15 19 49 4 3255.9 .60 137.15

DIFFERENTIAL CORRECTIONS
 TOE 2.0993 TRA-2.2307 TC3-1.5526 BAU .7739 SGT 3574.0 SGR 412.1 SG3 216.1 ST 2037.4 SR 311.2 SS 817.7
 RDE .3296 RRA .0398 RC3 -.2201 FAU .05858 RRT .6963 RRF .8991 RTF .9381 CRT .9305 CRS -.9816 CST -.9833
 FDE 1.7567 FRA -.8239 FC3-1.3738 BSP 11180 SGB 3597.7 R23 .3363 R13 .9404 LSA 2265.8 MSA 174.7 SSA 1.5
 BDE 2.1250 BRA 2.2310 BC3 1.5681 FSP -733 SG1 3585.6 SG2 294.8 THA 4.62 EL1 2117.3 EL2 112.9 ALF 7.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 29 1966

MELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 27.752 GAL -6.74 AZL 83.17 HCA 189.12 SMA 128.47 ECC .18639 INC 6.8340 V1 30.266
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.504 GAP 6.18 AZP 96.75 TAL 212.30 TAP 41.42 RCA 104.53 APO 152.42 V2 34.830
 RC 128.581 GL 37.60 GP -26.69 ZAL 125.44 ZAP 139.63 ETS 321.26 ZAE 126.29 ETE 202.89 ZAC 57.13 ETC 136.79 CLP-148.50

PLANETOCENTRIC CONIC
 C3 28.891 VHL 5.375 DLA 18.31 RAL 301.54 RAD 6568.2 VEL 12.258 PTH 2.21 VHP 5.112 DPA -47.04 RAP 317.68 ECC 1.4755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 7 24 2913.58 -28.29 90.13 176.50 88.65 23 55 57 2313.6 -28.18 81.46
 90.00 16 11 37 4339.23 4.52 179.76 167.86 62.02 17 23 57 3739.2 .74 173.12
 100.00 0 43 37 2615.98 -29.89 68.26 176.52 89.94 1 27 13 2016.0 -29.58 59.47
 100.00 17 22 1 4112.07 5.93 162.29 167.09 60.65 18 30 33 3512.1 1.97 155.74
 110.00 2 15 44 2327.76 -34.04 46.23 176.38 93.37 2 54 32 1727.0 -33.20 37.09
 110.00 18 6 23 3973.06 9.47 149.58 164.92 57.00 19 12 36 3373.1 5.06 143.27

DIFFERENTIAL CORRECTIONS
 TOE 1.6377 TRA-2.0419 TC3-2.1030 BAU .8152 SGT 3662.6 SGR 302.0 SG3 257.1 ST 1877.5 SR 228.8 SS 773.9
 RDE .2142 RRA .0400 RC3 -.1790 FAU .07020 RRT .6606 RRF .8815 RTF .9275 CRT .9072 CRS -.9786 CST -.9743
 FDE 1.6248 FRA -.7657 FC3-2.1035 BSP 11503 SGB 3675.0 R23 .3550 R13 .9287 LSA 2035.3 MSA 184.6 SSA 2.8
 BDE 1.6516 BRA 2.0423 BC3 2.1106 FSP -865 SG1 3668.0 SG2 226.4 THA 3.13 EL1 1889.0 EL2 95.7 ALF 6.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -1.00 LOL 85.86 VL 27.696 GAL -6.48 AZL 84.08 HCA 192.29 SMA 128.09 ECC .18638 INC 5.9172 V1 30.266
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.456 GAP 6.39 AZP 95.78 TAL 210.81 TAP 43.09 RCA 104.21 APO 151.96 V2 34.822
 RC 130.911 GL 34.30 GP -20.04 ZAL 126.38 ZAP 144.22 ETS 327.34 ZAE 128.78 ETE 198.10 ZAC 54.43 ETC 142.12 CLP-149.71

PLANETOCENTRIC CONIC
 C3 25.340 VHL 5.034 CLA 15.38 RAL 303.39 RAD 6568.0 VEL 12.113 PTH 2.17 VHP 4.983 CPA -40.16 RAP 317.42 ECC 1.4170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 43 28 2771.12 -28.07 79.72 174.54 93.86 24 29 39 2171.1 -27.24 71.15
 90.00 15 50 19 4416.52 6.97 184.12 167.20 62.49 17 3 55 3816.5 3.23 177.43
 100.00 1 17 9 2481.67 -29.48 58.30 174.41 95.16 1 58 31 1881.7 -28.46 49.65
 100.00 17 3 14 4181.20 8.22 166.14 166.53 61.16 18 12 56 3581.2 4.31 159.54
 110.00 2 44 7 2209.53 -33.19 37.11 173.88 98.70 3 20 57 1609.5 -31.63 28.23
 110.00 17 52 45 4026.11 11.43 152.45 164.60 57.56 18 59 51 3426.1 7.07 146.07

DIFFERENTIAL CORRECTIONS
 TDE 1.4367 TRA-1.9305 TC3-2.4855 BAU .8429 SGT 3758.9 SGR 221.7 SG3 270.3 ST 1774.0 SR 183.1 SS 732.9
 RDE .1602 RRA .0472 RC3 -.1124 FAU .07318 RRT .5452 RRF .7906 RTF .9217 CRT .8834 CRS -.9734 CST -.9671
 FDE 1.4797 FRA -.6634 FC3-2.5003 BSP 11754 SGB 3765.4 R23 .3422 R13 .9222 LSA 1918.7 MSA 190.4 SSA 4.2
 BDE 1.4456 BRA 1.9311 BC3 2.4880 FSP -903 SG1 3760.8 SG2 185.8 THA 1.85 EL1 1781.4 EL2 85.5 ALF 5.22

LAUNCH DATE DEC 18 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -1.00 LOL 85.86 VL 27.639 GAL -6.22 AZL 84.63 HCA 195.45 SMA 127.70 ECC .18645 INC 5.3720 V1 30.266
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.408 GAP 6.61 AZP 95.18 TAL 209.29 TAP 44.74 RCA 103.89 APO 151.51 V2 34.816
 RC 133.236 GL 32.27 GP -15.88 ZAL 126.28 ZAP 147.30 ETS 331.59 ZAE 129.86 ETE 194.66 ZAC 53.58 ETC 146.07 CLP-151.03

PLANETOCENTRIC CONIC
 C3 23.215 VHL 4.818 CLA 13.75 RAL 305.18 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 4.977 CPA -35.67 RAP 318.09 ECC 1.3821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 9 14 2692.06 -27.58 73.99 173.95 96.69 0 54 6 2092.1 -26.36 65.53
 90.00 15 42 45 4452.62 8.10 186.17 167.51 62.77 16 56 58 3852.6 4.39 179.46
 100.00 1 37 49 2406.36 -28.90 52.78 173.76 98.01 2 17 56 1806.4 -27.49 44.26
 100.00 16 56 51 4213.55 9.27 167.96 166.88 61.46 18 7 5 3613.5 5.39 161.33
 110.00 3 2 19 2141.96 -32.38 32.00 173.06 101.62 3 38 1 1542.0 -30.44 23.32
 110.00 17 48 51 4050.72 12.32 153.80 165.06 57.86 18 56 21 3450.7 7.99 147.38

DIFFERENTIAL CORRECTIONS
 TDE 1.3302 TRA-1.8510 TC3-2.8000 BAU .8692 SGT 3862.3 SGR 179.6 SG3 272.6 ST 1723.6 SR 162.5 SS 701.6
 RDE .1358 RRA .0495 RC3 -.0519 FAU .07295 RRT .3649 RRF .6189 RTF .9177 CRT .8682 CRS -.9709 CST -.9613
 FDE 1.3596 FRA -.5601 FC3-2.7202 BSP 12098 SGB 3866.5 R23 .3044 R13 .9180 LSA 1857.8 MSA 194.7 SSA 5.5
 BDE 1.3371 BRA 1.8517 BC3 2.8005 FSP -909 SG1 3862.9 SG2 167.2 THA .97 EL1 1729.3 EL2 80.4 ALF 4.69

LAUNCH DATE DEC 18 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -1.00 LOL 85.86 VL 27.583 GAL -5.94 AZL 84.99 HCA 198.62 SMA 127.32 ECC .18662 INC 5.0089 V1 30.266
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.360 GAP 6.82 AZP 94.75 TAL 207.74 TAP 46.36 RCA 103.56 APO 151.08 V2 34.809
 RC 135.553 GL 30.93 GP -13.06 ZAL 125.61 ZAP 149.64 ETS 334.68 ZAE 130.34 ETE 192.16 ZAC 53.70 ETC 149.11 CLP-152.35

PLANETOCENTRIC CONIC
 C3 21.720 VHL 4.660 CLA 12.85 RAL 306.97 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 5.020 CPA -32.47 RAP 319.21 ECC 1.3575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 24 10 2644.95 -27.16 70.61 174.12 98.34 1 8 15 2045.0 -25.73 62.23
 90.00 15 42 4 4467.41 8.56 187.01 168.24 62.90 16 56 31 3867.4 4.86 180.29
 100.00 1 52 10 2361.17 -28.42 49.51 173.89 99.67 2 31 31 1761.2 -26.79 41.08
 100.00 16 56 46 4226.42 9.69 168.69 167.64 61.58 18 7 12 3626.4 5.82 162.04
 110.00 3 15 23 2100.76 -31.77 28.94 173.10 103.33 3 50 24 1500.8 -29.61 20.40
 110.00 17 50 1 4059.60 12.64 154.28 165.88 57.97 18 57 41 3459.6 8.32 147.85

DIFFERENTIAL CORRECTIONS
 TDE 1.2702 TRA-1.7839 TC3-3.0817 BAU .8948 SGT 3968.5 SGR 165.7 SG3 270.3 ST 1703.3 SR 155.4 SS 679.0
 RDE .1255 RRA .0480 RC3 -.0007 FAU .07137 RRT .1622 RRF .3975 RTF .9148 CRT .8642 CRS -.9725 CST -.9567
 FDE 1.2637 FRA -.4632 FC3-2.8447 BSP 12498 SGB 3972.0 R23 .2523 R13 .9148 LSA 1829.5 MSA 198.1 SSA 6.9
 BDE 1.2764 BRA 1.7845 BC3 3.0817 FSP -904 SG1 3968.6 SG2 163.5 THA .39 EL1 1708.6 EL2 77.9 ALF 4.52

LAUNCH DATE DEC 18 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -1.00 LOL 85.86 VL 27.527 GAL -5.66 AZL 85.25 HCA 201.78 SMA 126.94 ECC .18689 INC 4.7481 V1 30.266
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.314 GAP 7.03 AZP 94.41 TAL 206.18 TAP 47.96 RCA 103.22 APO 150.67 V2 34.804
 RC 137.863 GL 30.00 GP -11.04 ZAL 124.56 ZAP 151.58 ETS 336.99 ZAE 130.52 ETE 190.29 ZAC 54.39 ETC 151.53 CLP-153.64

PLANETOCENTRIC CONIC
 C3 20.561 VHL 4.534 CLA 12.41 RAL 308.78 RAD 6567.8 VEL 11.914 PTH 2.12 VHP 5.087 CPA -30.01 RAP 320.60 ECC 1.3384
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 35 11 2616.72 -26.86 68.59 174.75 99.31 1 18 48 2016.7 -25.30 60.27
 90.00 15 45 31 4469.29 8.62 187.12 169.22 62.92 17 0 1 3869.3 4.92 180.39
 100.00 2 2 54 2333.84 -28.10 47.54 174.50 100.65 2 41 48 1733.8 -26.34 39.18
 100.00 17 0 30 4227.40 9.72 168.75 168.63 61.59 18 10 57 3627.4 5.85 162.10
 110.00 3 25 31 2075.34 -31.36 27.08 173.67 104.37 4 0 6 1475.3 -29.06 18.62
 110.00 17 54 22 4058.67 12.61 154.23 166.92 57.96 19 2 1 3458.7 8.29 147.80

DIFFERENTIAL CORRECTIONS
 TDE 1.2380 TRA-1.7198 TC3-3.3449 BAU .9195 SGT 4074.3 SGR 169.0 SG3 266.0 ST 1703.1 SR 155.5 SS 662.0
 RDE .1223 RRA .0438 RC3 .0423 FAU .06929 RRT -.0009 RRF .1968 RTF .9127 CRT .8697 CRS -.9770 CST -.9536
 FDE 1.1848 FRA -.3752 FC3-2.9173 BSP 12903 SGB 4077.8 R23 -.1977 R13 -.9127 LSA 1822.9 MSA 199.8 SSA 8.2
 BDE 1.2440 BRA 1.7203 BC3 3.3452 FSP -896 SG1 4074.3 SG2 169.0 THA 180.00 EL1 1708.5 EL2 76.5 ALF 4.55

LAUNCH DATE DEC 18 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

RL 147.20 LAL -0.00 LOL 85.86 VL 27.471 GAL -5.37 AZL 85.45 MCA 204.94 SMA 126.57 ECC .18729 INC 4.5508 V1 30.266
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.268 GAP 7.24 AZP 94.13 TAL 204.59 TAP 49.54 RCA 102.87 APO 150.28 V2 34.799
 RC 140.164 GL 29.34 GP -9.53 ZAL 123.25 ZAP 153.26 ETS 338.77 ZAE 130.56 ETE 188.86 ZAC 55.43 ETC 153.51 CLP-154.90

PLANETOCENTRIC CONIC

C3 19.615 VHL 4.429 DLA 12.27 RAL 310.64 RAD 6567.8 VEL 11.874 PTH 2.11 VHP 5.167 DPA -28.02 RAP 322.16 ECC 1.3228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 46 2600.80 -26.68 67.46 175.70 99.85 1 27 7 2000.8 -25.05 59.17
 90.00 15 51 45 4462.76 8.41 186.75 170.38 62.86 17 6 8 3862.8 4.71 180.03
 100.00 2 11 24 2318.20 -27.89 46.42 175.45 101.21 2 50 2 1718.2 -26.06 38.10
 100.00 17 6 49 4220.59 9.50 168.36 169.80 61.52 18 17 10 3620.6 5.63 161.72
 110.00 3 33 49 2060.28 -31.10 25.98 174.59 104.97 4 8 10 1460.3 -28.73 17.58
 110.00 18 0 53 4051.27 12.34 153.83 168.11 57.87 19 8 24 3451.3 8.01 147.41

DIFFERENTIAL CORRECTIONS

TDE 1.1648 TRA-1.7136 TC3-3.7170 BAU .9749
 RDE .1206 RRA .0348 RC3 .0724 FAU .07101
 FDE 1.0406 FRA -.3805 FC3-3.1340 BSP 14725
 BDE 1.1710 BRA 1.7139 BC3 3.7177 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 4272.9 SGR 174.8 SG3 270.1
 RRT -.1078 RRF .0161 RTF .9217
 SGB 4276.5 R23 -.1162 R13 -.9217
 SGI 4272.9 SG2 173.8 TMA 179.75

ORBIT DETERMINATION ACCURACY

ST 1656.4 SR 156.6 SS 605.9
 CRT .8692 CRS -.9774 CST -.9518
 LSA 1760.5 MSA 189.6 SSA 10.3
 EL1 1662.0 EL2 77.2 ALF 4.71

LAUNCH DATE DEC 18 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

RL 147.20 LAL -0.00 LOL 85.86 VL 27.415 GAL -5.06 AZL 85.60 MCA 208.11 SMA 126.20 ECC .18775 INC 4.3954 V1 30.266
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.223 GAP 7.44 AZP 93.88 TAL 202.98 TAP 51.09 RCA 102.51 APO 149.90 V2 34.795
 RC 142.456 GL 28.86 GP -8.37 ZAL 121.70 ZAP 154.76 ETS 340.17 ZAE 130.54 ETE 187.73 ZAC 56.73 ETC 155.17 CLP-156.10

PLANETOCENTRIC CONIC

C3 18.801 VHL 4.336 DLA 12.37 RAL 312.58 RAD 6567.8 VEL 11.840 PTH 2.10 VHP 5.255 DPA -26.34 RAP 323.85 ECC 1.3094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 41 2594.10 -26.61 66.99 176.93 100.07 1 33 55 1994.1 -24.94 58.71
 90.00 16 0 19 4449.45 8.00 185.99 171.72 62.75 17 14 29 3849.4 4.29 179.28
 100.00 2 18 22 2311.30 -27.80 45.93 176.67 101.45 2 56 53 1711.3 -25.94 37.62
 100.00 17 15 19 4207.47 9.08 167.62 171.14 61.40 18 25 26 3607.5 5.19 160.99
 110.00 3 40 55 2052.97 -30.97 25.45 175.81 105.26 4 15 8 1453.0 -28.56 17.08
 110.00 18 9 15 4038.57 11.88 153.13 169.46 57.71 19 16 33 3438.6 7.53 146.73

DIFFERENTIAL CORRECTIONS

TDE 1.2476 TRA-1.5625 TC3-3.7966 BAU .9547
 RDE .1271 RRA .0318 RC3 .1131 FAU .06298
 FDE 1.0983 FRA -.1834 FC3-2.9000 BSP 13165
 BDE 1.2541 BRA 1.5628 BC3 3.7983 FSP -807

MID-COURSE EXECUTION ACCURACY

SGT 4245.7 SGR 199.2 SG3 251.8
 RRT -.1622 RRF -.0235 RTF .9050
 SGB 4250.3 R23 -.1252 R13 -.9049
 SGI 4245.8 SG2 196.6 TMA 179.56

ORBIT DETERMINATION ACCURACY

ST 1769.1 SR 168.5 SS 660.7
 CRT .9005 CRS -.9894 CST -.9506
 LSA 1884.9 MSA 204.2 SSA 10.5
 EL1 1775.6 EL2 73.0 ALF 4.91

LAUNCH DATE DEC 18 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

RL 147.20 LAL -0.00 LOL 85.86 VL 27.360 GAL -4.75 AZL 85.73 MCA 211.27 SMA 125.84 ECC .18836 INC 4.2692 V1 30.266
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.179 GAP 7.65 AZP 93.65 TAL 201.35 TAP 52.62 RCA 102.14 APO 149.54 V2 34.791
 RC 144.737 GL 28.49 GP -7.44 ZAL 119.99 ZAP 156.13 ETS 341.29 ZAE 130.48 ETE 186.83 ZAC 58.20 ETC 156.58 CLP-157.26

PLANETOCENTRIC CONIC

C3 18.102 VHL 4.255 DLA 12.63 RAL 314.59 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 5.349 DPA -24.85 RAP 325.63 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 28 2594.02 -26.60 66.98 178.38 100.07 1 39 43 1994.0 -24.94 58.71
 90.00 16 10 32 4431.75 7.45 184.98 173.20 62.60 17 24 24 3831.8 3.72 178.29
 100.00 2 24 19 2310.70 -27.79 45.89 178.12 101.47 3 2 50 1710.7 -25.93 37.58
 100.00 17 25 22 4190.30 8.52 166.66 172.62 61.24 18 35 12 3590.3 4.61 160.04
 110.00 3 47 14 2051.26 -30.94 25.33 177.26 105.32 4 21 26 1451.3 -28.52 16.96
 110.00 18 18 57 4022.51 11.30 152.26 170.95 57.52 19 25 59 3422.5 6.93 145.88

DIFFERENTIAL CORRECTIONS

TDE 1.2544 TRA-1.4918 TC3-4.0433 BAU .9791
 RDE .1313 RRA .0237 RC3 .1403 FAU .06076
 FDE 1.0487 FRA -.1167 FC3-2.9057 BSP 13640
 BDE 1.2613 BRA 1.4920 BC3 4.0457 FSP -805

MID-COURSE EXECUTION ACCURACY

SGT 4350.8 SGR 215.8 SG3 246.4
 RRT -.1910 RRF -.0825 RTF .9046
 SGB 4356.1 R23 -.0924 R13 -.9045
 SGI 4351.0 SG2 211.9 TMA 179.46

ORBIT DETERMINATION ACCURACY

ST 1801.6 SR 177.1 SS 654.0
 CRT .9159 CRS -.9934 CST -.9505
 LSA 1914.1 MSA 202.4 SSA 11.8
 EL1 1808.9 EL2 70.8 ALF 5.15

LAUNCH DATE DEC 18 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

RL 147.20 LAL -0.00 LOL 85.86 VL 27.305 GAL -4.44 AZL 85.84 MCA 214.43 SMA 125.48 ECC .18908 INC 4.1640 V1 30.266
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.136 GAP 7.85 AZP 93.44 TAL 199.71 TAP 54.14 RCA 101.76 APO 149.21 V2 34.788
 RC 147.008 GL 28.21 GP -6.69 ZAL 118.11 ZAP 157.42 ETS 342.19 ZAE 130.41 ETE 186.09 ZAC 59.82 ETC 157.81 CLP-158.38

PLANETOCENTRIC CONIC

C3 17.491 VHL 4.182 DLA 13.02 RAL 316.68 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 5.448 DPA -23.51 RAP 327.48 ECC 1.2879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 27 2599.49 -26.67 67.37 180.03 99.89 1 44 46 1999.5 -25.03 59.08
 90.00 16 22 17 4410.30 6.77 183.77 174.83 62.44 17 35 47 3810.3 3.03 177.09
 100.00 2 29 33 2315.36 -27.86 46.22 179.78 101.31 3 8 8 1715.4 -26.01 37.90
 100.00 17 36 52 4169.67 7.84 165.50 174.26 61.06 18 46 21 3569.7 3.92 158.90
 110.00 3 53 1 2054.20 -30.99 25.54 178.94 105.21 4 27 15 1454.2 -28.59 17.16
 110.00 18 29 53 4003.59 10.60 151.23 172.59 57.31 19 36 37 3403.6 6.22 144.88

DIFFERENTIAL CORRECTIONS

TDE 1.2762 TRA-1.4083 TC3-4.2714 BAU .9995
 RDE .1364 RRA .0151 RC3 .1646 FAU .05815
 FDE 1.0135 FRA -.0454 FC3-2.8784 BSP 13963
 BDE 1.2835 BRA 1.4084 BC3 4.2745 FSP -787

MID-COURSE EXECUTION ACCURACY

SGT 4443.3 SGR 233.1 SG3 240.2
 RRT -.2000 RRF -.1130 RTF .9031
 SGB 4449.4 R23 -.0695 R13 -.9031
 SGI 4443.6 SG2 228.4 TMA 179.40

ORBIT DETERMINATION ACCURACY

ST 1849.7 SR 187.1 SS 654.5
 CRT .9322 CRS -.9961 CST -.9513
 LSA 1960.7 MSA 200.4 SSA 12.9
 EL1 1857.9 EL2 67.4 ALF 5.39

LAUNCH DATE DEC 18 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 444.393

RL 147.20 LAL -.00 LOL 85.86 VL 27.250 GAL -4.11 AZL 85.93 MCA 217.59 SMA 125.13 ECC .18994 INC 4.0746 V1 30.266
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.094 GAP 8.06 AZP 93.23 TAL 198.04 TAP 55.64 RCA 101.36 APO 148.90 V2 34.786
 RC 149.266 GL 27.97 GP -6.07 ZAL 116.08 ZAP 158.62 ETS 342.91 ZAE 130.34 ETE 185.49 ZAC 61.54 ETC 158.89 CLP-159.46

PLANETOCENTRIC CONIC

C3 16.957 VHL 4.118 DLA 13.53 RAL 318.87 RAD 6567.7 VEL 11.762 PTH 2.08 VHP 5.551 DPA -22.26 RAP 329.39 ECC 1.2791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 48 2609.67 -26.79 68.09 181.89 99.55 1 49 18 2009.7 -25.19 59.78
 90.00 16 35 23 4385.80 6.00 182.38 176.63 62.27 17 48 29 3785.8 2.24 175.72
 100.00 2 34 14 2324.46 -27.98 46.87 181.65 100.99 3 12 59 1724.5 -26.17 38.53
 100.00 17 49 38 4146.24 7.06 164.19 176.06 60.88 18 58 44 3546.2 3.13 157.61
 110.00 3 58 25 2061.07 -31.11 26.04 180.82 104.94 4 32 46 1461.1 -28.75 17.63
 110.00 18 41 57 3982.39 9.82 150.08 174.38 57.09 19 48 19 3382.4 5.42 143.76

DIFFERENTIAL CORRECTIONS

TDE 1.3059 TRA-1.3177 TC3-4.4922 BAU 1.0192
 ROE .1421 RRA .0062 RC3 .1856 FAU .05557
 FDE .9843 FRA .0229 FC3-2.8373 BSP 14261
 BDE 1.3136 BRA 1.3177 BC3 4.4960 FSP -766

MID-COURSE EXECUTION ACCURACY

SGT 4532.6 SGR 250.0 SG3 234.0
 RRT -.1969 RRF -.1273 RTF .9018
 SGB 4539.5 R23 -.0518 R13 -.9018
 SG1 4532.9 SG2 245.1 THA 179.38

ORBIT DETERMINATION ACCURACY

ST 1906.3 SR 197.7 SS 657.7
 CRT .9475 CRS -.9972 CST -.9528
 LSA 2016.5 MSA 197.6 SSA 14.0
 EL1 1915.5 EL2 62.9 ALF 5.62

LAUNCH DATE DEC 18 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 450.193

RL 147.20 LAL -.00 LOL 85.86 VL 27.196 GAL -3.77 AZL 86.00 MCA 220.75 SMA 124.78 ECC .19093 INC 3.9971 V1 30.266
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.053 GAP 8.27 AZP 93.03 TAL 196.36 TAP 57.12 RCA 100.96 APO 148.61 V2 34.785
 RC 151.511 GL 27.76 GP -5.56 ZAL 113.91 ZAP 159.76 ETS 343.50 ZAE 130.27 ETE 184.98 ZAC 63.35 ETC 159.84 CLP-160.51

PLANETOCENTRIC CONIC

C3 16.494 VHL 4.061 DLA 14.12 RAL 321.16 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 5.658 DPA -21.08 RAP 331.34 ECC 1.2715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 9 42 2623.98 -26.94 69.11 183.95 99.06 1 53 26 2024.0 -25.41 60.77
 90.00 16 49 46 4358.79 5.14 180.86 178.60 62.12 18 2 24 3758.8 1.37 174.21
 100.00 2 38 32 2337.47 -28.14 47.80 183.71 100.52 3 17 30 1737.5 -26.40 39.43
 100.00 18 3 36 4120.53 6.21 162.76 178.02 60.70 19 12 17 3520.5 2.26 156.20
 110.00 4 3 35 2071.37 -31.29 26.79 182.91 104.53 4 38 6 1471.4 -28.98 18.35
 110.00 18 55 3 3959.39 8.97 148.85 176.33 56.88 20 1 2 3359.4 4.54 142.55

DIFFERENTIAL CORRECTIONS

TDE 1.3418 TRA-1.2204 TC3-4.7062 BAU 1.0387
 ROE .1479 RRA -.0030 RC3 .2036 FAU .05309
 FDE .9583 FRA .0868 FC3-2.7864 BSP 14573
 BDE 1.3499 BRA 1.2204 BC3 4.7106 FSP -749

MID-COURSE EXECUTION ACCURACY

SGT 4620.4 SGR 266.3 SG3 228.0
 RRT -.1866 RRF -.1319 RTF .9009
 SGB 4628.0 R23 -.0374 R13 -.9009
 SG1 4620.6 SG2 261.6 THA 179.38

ORBIT DETERMINATION ACCURACY

ST 1969.8 SR 208.7 SS 662.0
 CRT .9610 CRS -.9967 CST -.9548
 LSA 2079.5 MSA 193.8 SSA 15.1
 EL1 1980.0 EL2 57.4 ALF 5.82

LAUNCH DATE DEC 18 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 455.981

RL 147.20 LAL -.00 LOL 85.86 VL 27.142 GAL -3.42 AZL 86.07 MCA 223.91 SMA 124.44 ECC .19206 INC 3.9290 V1 30.266
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.012 GAP 8.47 AZP 92.83 TAL 194.67 TAP 58.58 RCA 100.54 APO 148.34 V2 34.784
 RC 153.743 GL 27.56 GP -5.12 ZAL 111.60 ZAP 160.85 ETS 343.97 ZAE 130.22 ETE 184.56 ZAC 65.24 ETC 160.69 CLP-161.53

PLANETOCENTRIC CONIC

C3 16.100 VHL 4.012 DLA 14.79 RAL 323.56 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 5.768 DPA -19.95 RAP 333.34 ECC 1.2650
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 15 2642.06 -27.13 70.40 186.20 98.44 1 57 17 2042.1 -25.68 62.03
 90.00 17 5 20 4329.67 4.21 179.22 180.75 61.97 18 17 30 3729.7 .43 172.59
 100.00 2 42 34 2354.02 -28.34 48.99 185.98 99.93 3 21 48 1754.0 -26.68 40.58
 100.00 18 18 42 4092.94 5.29 161.23 180.16 60.54 19 26 55 3492.9 1.32 154.69
 110.00 4 8 37 2084.76 -31.51 27.77 185.20 103.99 4 43 22 1484.8 -29.27 19.28
 110.00 19 9 9 3934.96 8.06 147.55 178.46 56.67 20 14 44 3335.0 3.61 141.27

DIFFERENTIAL CORRECTIONS

TDE 1.3866 TRA-1.1123 TC3-4.9022 BAU 1.0562
 ROE .1540 RRA -.0122 RC3 .2187 FAU .05052
 FDE .9386 FRA .1508 FC3-2.7167 BSP 14805
 BDE 1.3932 BRA 1.1124 BC3 4.9071 FSP -725

MID-COURSE EXECUTION ACCURACY

SGT 4700.6 SGR 281.9 SG3 222.0
 RRT -.1702 RRF -.1269 RTF .8997
 SGB 4709.0 R23 -.0271 R13 -.8997
 SG1 4700.8 SG2 277.8 THA 179.41

ORBIT DETERMINATION ACCURACY

ST 2043.9 SR 220.0 SS 669.6
 CRT .9727 CRS -.9946 CST -.9572
 LSA 2153.6 MSA 189.6 SSA 16.1
 EL1 2055.1 EL2 50.8 ALF 5.98

LAUNCH DATE DEC 18 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 461.757

RL 147.20 LAL -.00 LOL 85.86 VL 27.089 GAL -3.06 AZL 86.13 MCA 227.07 SMA 124.10 ECC .19335 INC 3.8682 V1 30.266
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.973 GAP 8.69 AZP 92.64 TAL 192.96 TAP 60.04 RCA 100.11 APO 148.10 V2 34.784
 RC 155.962 GL 27.35 GP -4.75 ZAL 109.17 ZAP 161.90 ETS 344.34 ZAE 130.18 ETE 184.20 ZAC 67.19 ETC 161.45 CLP-162.51

PLANETOCENTRIC CONIC

C3 15.773 VHL 3.972 DLA 15.52 RAL 326.06 RAD 6567.6 VEL 11.711 PTH 2.06 VHP 5.882 DPA -18.85 RAP 335.36 ECC 1.2596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 31 2663.60 -27.34 71.94 188.66 97.69 2 0 55 2063.6 -25.99 63.53
 90.00 17 22 4 4298.82 3.22 177.50 183.09 61.85 18 33 43 3698.8 -.57 170.87
 100.00 2 46 23 2373.80 -28.56 50.42 188.45 99.21 3 25 57 1773.8 -27.00 41.97
 100.00 18 34 53 4063.85 4.31 159.62 182.49 60.39 19 42 37 3463.8 .34 153.09
 110.00 4 13 35 2100.96 -31.77 28.96 187.71 103.33 4 48 36 1501.0 -29.61 20.42
 110.00 19 24 10 3909.46 7.10 146.19 180.77 56.47 20 29 20 3309.5 2.64 139.94

DIFFERENTIAL CORRECTIONS

TDE 1.4339 TRA -.9990 TC3-5.0912 BAU 1.0747
 ROE .1602 RRA -.0214 RC3 .2307 FAU .04819
 FDE .9182 FRA .2089 FC3-2.6448 BSP 15097
 BDE 1.4428 BRA .9992 BC3 5.0964 FSP -709

MID-COURSE EXECUTION ACCURACY

SGT 4782.2 SGR 296.7 SG3 216.3
 RRT -.1514 RRF -.1195 RTF .8995
 SGB 4791.4 R23 -.0174 R13 -.8995
 SG1 4782.5 SG2 293.3 THA 179.46

ORBIT DETERMINATION ACCURACY

ST 2120.1 SR 231.4 SS 675.6
 CRT .9820 CRS -.9912 CST -.9599
 LSA 2229.5 MSA 184.3 SSA 17.1
 EL1 2132.3 EL2 43.5 ALF 6.12

LAUNCH DATE DEC 18 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 467.520
 RL 147.20 LAL -0.00 LOL 85.86 VL 27.036 GAL -2.69 AZL 86.19 HCA 230.24 SMA 123.77 ECC .19481 INC 3.8134 V1 30.266
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.935 GAP 8.90 AZP 92.44 TAL 191.24 TAP 61.48 RCA 99.66 APO 147.88 V2 34.785
 RC 158.168 GL 27.13 GP -4.43 ZAL 106.62 ZAP 162.90 ETS 344.61 ZAE 130.15 ETE 183.89 ZAC 69.19 ETC 162.14 CLP-163.47

PLANETOCENTRIC CONIC

C3 15.516 VHL 3.939 DLA 16.30 RAL 328.69 RAD 6567.6 VEL 11.700 PTH 2.06 VHP 6.000 DPA -17.77 RAP 337.40 ECC 1.2553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 36 2688.41 -27.55 73.73 191.32 96.82 2 4 25 2088.4 -26.32 65.28
 90.00 17 39 54 4266.57 2.19 175.69 185.62 61.76 18 51 0 3666.6 -1.61 169.07
 100.00 2 50 5 2396.62 -28.80 52.07 191.13 98.37 3 30 2 1796.6 -27.34 43.57
 100.00 18 52 6 4033.59 3.29 157.95 185.01 60.27 19 59 19 3433.6 -1.69 151.43
 110.00 4 18 34 2119.76 -32.06 30.35 190.43 102.55 4 53 54 1519.8 -30.00 21.74
 110.00 19 40 6 3883.22 6.11 144.80 183.26 56.30 20 44 49 3283.2 1.64 138.57

DIFFERENTIAL CORRECTIONS

TDE 1.4864 TRA -.8769 TC3-5.2613 BAU 1.0923 SGT 4860.1 SGR 310.8 SG3 210.6 ST 2202.1 SR 242.9 SS 682.3
 RDE .1667 RRA -.0305 RC3 .2397 FAU .04588 RRT -.1304 RRF -.1080 RTF .8994 CRT .9890 CRS -.9866 CST -.9627
 FDE .9001 FRA .2650 FC3-2.5598 BSP 15383 SGB 4870.0 R23 -.0098 R13 -.8994 LSA 2311.2 MSA 178.7 SSA 18.0
 BOE 1.4958 BRA .8774 BC3 5.2668 FSP -692 SG1 4860.3 SG2 308.1 THA 179.52 EL1 2215.2 EL2 35.7 ALF 6.23

LAUNCH DATE DEC 18 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 473.270
 RL 147.20 LAL -0.00 LOL 85.86 VL 26.983 GAL -2.30 AZL 86.24 HCA 233.40 SMA 123.45 ECC .19643 INC 3.7634 V1 30.266
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.898 GAP 9.12 AZP 92.25 TAL 189.51 TAP 62.90 RCA 99.20 APO 147.69 V2 34.787
 RC 160.359 GL 26.87 GP -4.15 ZAL 103.94 ZAP 163.87 ETS 344.80 ZAE 130.13 ETE 183.63 ZAC 71.24 ETC 162.77 CLP-164.40

PLANETOCENTRIC CONIC

C3 15.329 VHL 3.915 DLA 17.12 RAL 331.42 RAD 6567.6 VEL 11.692 PTH 2.06 VHP 6.123 DPA -16.70 RAP 339.47 ECC 1.2523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 32 2716.30 -27.76 75.74 194.18 95.83 2 7 48 2116.3 -26.66 67.25
 90.00 17 58 47 4233.24 1.11 173.83 188.36 61.70 19 9 20 3633.2 -2.68 167.21
 100.00 2 53 43 2422.27 -29.04 53.94 194.01 97.41 3 34 5 1822.3 -27.71 45.39
 100.00 19 10 17 4002.50 2.24 156.25 187.73 60.18 20 17 0 3402.5 -1.74 149.72
 110.00 4 23 37 2140.96 -32.36 31.93 193.36 101.66 4 59 18 1541.0 -30.42 23.25
 110.00 19 56 52 3856.57 5.10 143.40 185.95 56.15 21 1 9 3256.6 .62 137.18

DIFFERENTIAL CORRECTIONS

TDE 1.5447 TRA -.7454 TC3-5.4088 BAU 1.1096 SGT 4934.7 SGR 324.0 SG3 205.1 ST 2289.8 SR 254.5 SS 689.6
 RDE .1734 RRA -.0393 RC3 .2455 FAU .04364 RRT -.1075 RRF -.0935 RTF .8997 CRT .9938 CRS -.9809 CST -.9656
 FDE .8843 FRA .3191 FC3-2.4645 BSP 15644 SGB 4945.3 R23 -.0036 R13 -.8997 LSA 2398.6 MSA 172.8 SSA 18.9
 BOE 1.5544 BRA .7464 BC3 5.4144 FSP -675 SG1 4934.8 SG2 322.1 THA 179.59 EL1 2303.7 EL2 28.1 ALF 6.30

LAUNCH DATE DEC 18 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 479.006
 RL 147.20 LAL -0.00 LOL 85.86 VL 26.931 GAL -1.91 AZL 86.28 HCA 236.56 SMA 123.12 ECC .19824 INC 3.7174 V1 30.266
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.863 GAP 9.34 AZP 92.05 TAL 187.76 TAP 64.32 RCA 98.72 APO 147.53 V2 34.789
 RC 162.536 GL 26.57 GP -3.90 ZAL 101.17 ZAP 164.80 ETS 344.91 ZAE 130.13 ETE 183.41 ZAC 73.33 ETC 163.34 CLP-165.30

PLANETOCENTRIC CONIC

C3 15.218 VHL 3.901 DLA 17.97 RAL 334.27 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.250 DPA -15.65 RAP 341.55 ECC 1.2505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 22 2747.10 -27.95 77.97 197.25 94.73 2 11 9 2147.1 -27.00 69.44
 90.00 18 18 41 4199.16 .01 171.93 191.30 61.68 19 28 40 3599.2 -3.77 165.30
 100.00 2 57 20 2450.56 -29.27 56.01 197.11 96.35 3 38 10 1850.6 -28.09 47.41
 100.00 19 29 24 3970.93 1.17 154.51 190.66 60.13 20 35 35 3370.9 -2.81 147.99
 110.00 4 28 48 2164.38 -32.67 33.69 196.52 100.66 5 4 52 1564.4 -30.86 24.94
 110.00 20 14 25 3829.88 4.09 142.00 188.84 56.03 21 18 15 3229.9 -.40 135.79

DIFFERENTIAL CORRECTIONS

TDE 1.6093 TRA -.6021 TC3-5.5226 BAU 1.1247 SGT 5001.7 SGR 336.5 SG3 199.6 ST 2383.6 SR 266.2 SS 697.9
 RDE .1806 RRA -.0476 RC3 .2482 FAU .04135 RRT -.0827 RRF -.0751 RTF .8996 CRT .9965 CRS -.9744 CST -.9684
 FDE .8713 FRA .3737 FC3-2.3522 BSP 15841 SGB 5013.0 R23 .0004 R13 -.8996 LSA 2492.2 MSA 167.4 SSA 19.7
 BOE 1.6194 BRA .6040 BC3 5.5282 FSP -655 SG1 5001.8 SG2 335.4 THA 179.68 EL1 2398.3 EL2 22.1 ALF 6.35

LAUNCH DATE DEC 18 1965

FLIGHT TIME 164.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 484.727
 RL 147.20 LAL -0.00 LOL 85.86 VL 26.880 GAL -1.50 AZL 86.33 HCA 239.72 SMA 122.81 ECC .20025 INC 3.6745 V1 30.266
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.828 GAP 9.57 AZP 91.85 TAL 186.01 TAP 65.73 RCA 98.22 APO 147.40 V2 34.792
 RC 164.699 GL 26.23 GP -3.68 ZAL 98.29 ZAP 165.71 ETS 344.94 ZAE 130.14 ETE 183.22 ZAC 75.46 ETC 163.85 CLP-166.19

PLANETOCENTRIC CONIC

C3 15.187 VHL 3.897 DLA 18.83 RAL 337.23 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 6.382 DPA -14.59 RAP 343.65 ECC 1.2499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 9 2780.63 -28.12 80.41 200.53 93.52 2 14 30 2180.6 -27.33 71.83
 90.00 18 39 31 4164.71 -1.10 170.01 194.46 61.70 19 48 55 3564.7 -4.88 163.37
 100.00 3 0 59 2481.30 -29.48 58.27 200.41 95.17 3 42 20 1881.3 -28.45 49.62
 100.00 19 49 22 3939.27 .10 152.78 193.79 60.11 20 55 2 3339.3 -3.88 146.25
 110.00 4 34 9 2189.80 -32.98 35.61 199.88 99.56 5 10 39 1589.8 -31.30 26.78
 110.00 20 32 41 3803.53 3.08 140.62 191.93 55.94 21 36 5 3203.5 -1.41 134.41

DIFFERENTIAL CORRECTIONS

TDE 1.6751 TRA -.4528 TC3-5.6142 BAU 1.1410 SGT 5070.2 SGR 348.2 SG3 194.4 ST 2475.3 SR 278.0 SS 703.7
 RDE .1882 RRA -.0555 RC3 .2476 FAU .03928 RRT -.0579 RRF -.0573 RTF .9006 CRT .9972 CRS -.9674 CST -.9712
 FDE .8568 FRA .4232 FC3-2.2390 BSP 16098 SGB 5082.2 R23 .0049 R13 -.9006 LSA 2583.2 MSA 161.8 SSA 20.5
 BOE 1.6857 BRA .4561 BC3 5.6196 FSP -640 SG1 5070.3 SG2 347.6 THA 179.77 EL1 2490.8 EL2 20.5 ALF 6.39

LAUNCH DATE DEC 18 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 490.432

RL 147.20 LAL -0.00 LOL 85.86 VL 26.829 GAL -1.08 AZL 86.37 HCA 242.88 SMA 122.50 ECC .20247 INC 3.6344 V1 30.266
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.794 GAP 9.81 AZP 91.66 TAL 184.24 TAP 67.13 RCA 97.70 APO 147.30 V2 34.796
 RC 166.847 GL 25.82 GP -3.49 ZAL 95.32 ZAP 166.60 ETS 344.88 ZAE 130.16 ETE 183.05 ZAC 77.62 ETC 164.32 CLP-167.05

PLANETOCENTRIC CONIC

C3 15.241 VML 3.904 DLA 19.70 RAL 340.30 RAD 6567.6 VEL 11.689 PTH 2.06 VHP 6.520 CPA -13.54 RAP 345.76 ECC 1.2508
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 56 2816.68 -28.24 83.04 204.01 92.20 2 17 52 2216.7 -27.63 74.43
 90.00 19 1 12 4130.27 -2.21 168.09 197.83 61.76 20 10 2 3530.3 -5.97 161.43
 100.00 3 4 43 2514.27 -29.66 60.71 203.92 93.90 3 46 37 1914.3 -28.80 52.01
 100.00 20 10 6 3907.91 -.97 151.06 197.14 60.12 21 15 14 3307.9 -4.94 144.52
 110.00 4 39 43 2217.02 -33.26 37.68 203.47 98.37 5 16 40 1617.0 -31.75 28.78
 110.00 20 51 35 3777.93 2.11 139.28 195.22 55.87 21 54 33 3177.9 -2.38 133.08

DIFFERENTIAL CORRECTIONS

TOE 1.7445 TRA -2929 TC3-5.6685 BAU 1.1561
 RDE .1964 RRA -.0628 RC3 .2439 FAU .03720
 FDE .8434 FRA .4718 FC3-2.1131 BSP 16338
 BDE 1.7355 BRA .2996 BC3 5.6738 FSP -625

MID-COURSE EXECUTION ACCURACY

SGT 5133.5 SGR 359.1 SG3 189.2
 RRT -.0326 RRF -.0374 RTF .9016
 SGB 5146.1 R23 .0079 R13 -.9016
 SG1 5133.5 SG2 358.9 THA 179.87

ORBIT DETERMINATION ACCURACY

ST 2567.3 SR 289.8 SS 708.8
 CRT .9963 CRS -.9599 CST -.9737
 LSA 2674.4 MSA 157.0 SSA 21.1
 EL1 2583.5 EL2 24.8 ALF 6.42

LAUNCH DATE DEC 18 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 496.120

RL 147.20 LAL -0.00 LOL 85.86 VL 26.779 GAL -.64 AZL 86.40 HCA 246.05 SMA 122.20 ECC .20491 INC 3.5964 V1 30.266
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.762 GAP 10.06 AZP 91.46 TAL 182.47 TAP 68.52 RCA 97.16 APO 147.24 V2 34.800
 RC 168.980 GL 25.35 GP -3.32 ZAL 92.28 ZAP 167.46 ETS 344.73 ZAE 130.19 ETE 182.91 ZAC 79.80 ETC 164.75 CLP-167.90

PLANETOCENTRIC CONIC

C3 15.389 VML 3.923 DLA 20.56 RAL 343.46 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 6.664 CPA -12.49 RAP 347.89 ECC 1.2533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 44 2855.04 -28.31 85.85 207.67 90.80 2 21 19 2255.0 -27.90 77.20
 90.00 19 23 38 4096.23 -3.31 166.19 201.41 61.86 20 31 54 3496.2 -7.04 159.50
 100.00 3 8 35 2549.20 -29.79 63.30 207.62 92.55 3 51 4 1949.2 -29.12 54.56
 100.00 20 31 29 3877.30 -2.00 149.38 200.69 60.17 21 36 6 3277.3 -5.96 142.82
 110.00 4 45 34 2245.78 -33.53 39.88 207.25 97.09 5 23 0 1645.8 -32.18 30.91
 110.00 21 10 59 3753.49 1.17 138.00 198.70 55.83 22 13 32 3153.5 -3.32 131.80

DIFFERENTIAL CORRECTIONS

TOE 1.8170 TRA -1236 TC3-5.6861 BAU 1.1708
 RDE .2054 RRA -.0694 RC3 .2371 FAU .03523
 FDE .8309 FRA .5185 FC3-1.9818 BSP 16582
 BDE 1.8286 BRA .1417 BC3 5.6911 FSP -612

MID-COURSE EXECUTION ACCURACY

SGT 5194.4 SGR 369.2 SG3 184.2
 RRT -.0066 RRF -.0161 RTF .9032
 SGB 5207.5 R23 .0101 R13 -.9032
 SG1 5194.4 SG2 369.2 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 2657.8 SR 301.8 SS 713.0
 CRT .9939 CRS -.9522 CST -.9761
 LSA 2764.0 MSA 152.9 SSA 21.5
 EL1 2674.7 EL2 33.0 ALF 6.44

LAUNCH DATE DEC 18 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 501.790

RL 147.20 LAL -0.00 LOL 85.86 VL 26.729 GAL -.18 AZL 86.44 HCA 249.21 SMA 121.90 ECC .20760 INC 3.5603 V1 30.266
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.730 GAP 10.31 AZP 91.27 TAL 180.70 TAP 69.91 RCA 96.59 APO 147.20 V2 34.805
 RC 171.096 GL 24.82 GP -3.17 ZAL 89.18 ZAP 168.30 ETS 344.48 ZAE 130.23 ETE 182.79 ZAC 82.01 ETC 165.15 CLP-168.73

PLANETOCENTRIC CONIC

C3 15.637 VML 3.954 DLA 21.39 RAL 346.71 RAD 6567.6 VEL 11.706 PTH 2.06 VHP 6.815 CPA -11.44 RAP 350.01 ECC 1.2573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 37 2895.42 -28.31 88.80 211.52 89.32 2 24 53 2295.4 -28.10 80.14
 90.00 19 46 42 4063.07 -4.37 164.33 205.19 61.99 20 54 25 3463.1 -8.08 157.62
 100.00 3 12 38 2585.81 -29.87 66.02 211.51 91.12 3 55 44 1985.8 -29.40 57.24
 100.00 20 53 22 3847.91 -3.00 147.76 204.44 60.24 21 57 30 3247.9 -6.94 141.19
 110.00 4 51 44 2275.81 -33.76 42.20 211.24 95.74 5 29 40 1675.8 -32.59 33.16
 110.00 21 30 46 3730.67 .30 136.81 202.38 55.82 22 32 57 3130.7 -4.19 130.60

DIFFERENTIAL CORRECTIONS

TOE 1.8886 TRA .0566 TC3-5.6620 BAU 1.1846
 RDE .2152 RRA -.0752 RC3 .2275 FAU .03326
 FDE .8140 FRA .5643 FC3-1.8417 BSP 16783
 BDE 1.9008 BRA .0941 BC3 5.6666 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 5248.6 SGR 378.5 SG3 178.8
 RRT .0188 RRF .0038 RTF .9046
 SGB 5262.2 R23 -.0133 R13 .9046
 SG1 5248.6 SG2 378.4 THA .08

ORBIT DETERMINATION ACCURACY

ST 2739.9 SR 313.8 SS 712.0
 CRT .9904 CRS -.9441 CST -.9780
 LSA 2844.2 MSA 149.8 SSA 21.8
 EL1 2757.5 EL2 43.1 ALF 6.47

LAUNCH DATE DEC 18 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 507.441

RL 147.20 LAL -0.00 LOL 85.86 VL 26.680 GAL .29 AZL 86.47 HCA 252.38 SMA 121.60 ECC .21055 INC 3.5256 V1 30.266
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.700 GAP 10.58 AZP 91.07 TAL 178.91 TAP 71.29 RCA 96.00 APO 147.21 V2 34.811
 RC 173.196 GL 24.22 GP -3.03 ZAL 86.04 ZAP 169.12 ETS 344.13 ZAE 130.28 ETE 182.68 ZAC 84.24 ETC 165.50 CLP-169.55

PLANETOCENTRIC CONIC

C3 15.996 VML 3.999 DLA 22.19 RAL 350.04 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 6.973 CPA -10.38 RAP 352.15 ECC 1.2632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 39 2937.52 -28.24 91.88 215.53 87.78 2 28 36 2337.5 -28.25 83.21
 90.00 20 10 13 4031.25 -5.38 162.54 209.17 62.16 21 17 24 3431.3 -9.07 155.80
 100.00 3 16 57 2623.77 -29.89 68.84 215.58 89.63 4 0 41 2023.8 -29.62 60.04
 100.00 21 15 36 3820.23 -3.93 146.24 208.37 60.34 22 19 16 3220.2 -7.85 139.64
 110.00 4 58 16 2306.83 -33.94 44.60 215.41 94.33 5 36 42 1706.8 -32.97 35.50
 110.00 21 50 47 3709.94 -.49 135.73 206.23 55.82 22 52 37 3109.9 -4.97 129.51

DIFFERENTIAL CORRECTIONS

TOE 1.9720 TRA .2534 TC3-5.5787 BAU 1.1939
 RDE .2262 RRA -.0798 RC3 .2156 FAU .03111
 FDE .8115 FRA .6153 FC3-1.6837 BSP 16866
 BDE 1.9849 BRA .2657 BC3 5.5829 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 5296.0 SGR 387.3 SG3 174.3
 RRT .0476 RRF .0345 RTF .9047
 SGB 5310.1 R23 -.0089 R13 .9047
 SG1 5296.0 SG2 386.9 THA .20

ORBIT DETERMINATION ACCURACY

ST 2830.6 SR 326.2 SS 721.6
 CRT .9860 CRS -.9365 CST -.9802
 LSA 2935.5 MSA 148.6 SSA 21.9
 EL1 2848.8 EL2 54.1 ALF 6.49

LAUNCH DATE DEC 18 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 513.068

RL 147.20 LAL -0.00 LOL 85.86 VL 26.631 GAL .78 AZL 86.51 HCA 255.54 SMA 121.32 ECC .21378 INC 3.4921 V1 30.266
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.671 GAP 10.86 A7P 90.87 TAL 177.13 TAP 72.67 RCA 95.38 APO 147.25 V2 34.817
 RC 175.278 GL 23.55 GP -2.91 ZAL 82.87 ZAP 169.93 ETS 343.64 ZAE 130.33 ETE 182.60 ZAC 86.50 ETC 165.82 CLP-170.35

PLANETOCENTRIC CONIC

C3 16.476 VML 4.059 OLA 22.94 RAL 353.43 RAD 6567.7 VEL 11.741 PTH 2.07 VMP 7.140 DPA -9.33 RAP 354.29 ECC 1.2712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 52 2980.95 -28.08 95.04 219.69 86.19 2 32 33 2380.9 -28.31 86.39
 90.00 20 34 0 4001.33 -6.33 160.86 213.32 62.34 21 40 42 3401.3 -9.99 154.08
 100.00 3 21 35 2662.68 -29.84 71.73 219.79 88.11 4 5 57 2062.7 -29.78 62.93
 100.00 21 37 59 3794.83 -4.79 144.83 212.47 60.46 22 41 14 3194.8 -8.69 138.22
 110.00 5 5 12 2338.49 -34.08 47.06 219.75 92.88 5 44 11 1738.5 -33.30 37.91
 110.00 22 10 51 3691.78 -1.19 134.79 210.23 55.83 23 12 23 3091.8 -5.66 128.56

DIFFERENTIAL CORRECTIONS

TOE 2.0440 TRA .4542 TC3-5.4788 BAU 1.2076
 ROE .2380 RRA -.0837 RC3 .2009 FAU .02945
 FDE .7941 FRA .6573 FC3-1.5475 BSP 17118
 BDE 2.0578 BRA .4618 BC3 5.4825 FSP -564

MID-COURSE EXECUTION ACCURACY

SGT 5347.1 SGR 394.8 SG3 169.5
 RRT .0731 RRF .0547 RTF .9077
 SGB 5361.7 R23 -.0120 R13 .9077
 SG1 5347.2 SG2 393.7 THA .31

ORBIT DETERMINATION ACCURACY

ST 2895.7 SR 338.1 SS 716.5
 CRT .9809 CRS -.9286 CST -.9817
 LSA 2998.5 MSA 147.7 SSA 21.7
 EL1 2914.7 EL2 65.4 ALF 6.54

LAUNCH DATE DEC 18 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 518.671

RL 147.20 LAL -0.00 LOL 85.86 VL 26.583 GAL 1.29 AZL 86.54 HCA 258.71 SMA 121.03 ECC .21732 INC 3.4596 V1 30.266
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.643 GAP 11.15 A7P 90.68 TAL 175.34 TAP 74.05 RCA 94.73 APO 147.34 V2 34.824
 RC 177.341 GL 22.82 GP -2.80 ZAL 79.69 ZAP 170.72 ETS 343.00 ZAE 130.39 ETE 182.52 ZAC 88.77 ETC 166.11 CLP-171.15

PLANETOCENTRIC CONIC

C3 17.092 VML 4.134 OLA 23.64 RAL 356.85 RAD 6567.7 VEL 11.768 PTH 2.08 VMP 7.315 DPA -8.27 RAP 356.44 ECC 1.2813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 22 3025.29 -27.84 98.27 223.97 84.60 2 36 47 2425.3 -28.30 89.63
 90.00 20 57 51 3973.84 -7.20 159.30 217.63 62.54 22 4 5 3373.8 -10.82 152.49
 100.00 3 26 35 2702.12 -28.71 74.66 224.14 86.58 4 11 38 2102.1 -29.87 65.85
 100.00 22 0 18 3772.24 -5.54 143.58 216.73 60.58 23 3 11 3172.2 -9.42 136.94
 110.00 5 12 36 2370.49 -34.16 49.56 224.23 91.40 5 52 6 1770.5 -33.59 40.36
 110.00 22 30 48 3676.65 -1.76 134.00 214.38 55.86 23 32 4 3076.6 -6.23 127.76

DIFFERENTIAL CORRECTIONS

TOE 2.1195 TRA .6684 TC3-5.3287 BAU 1.2184
 ROE .2510 RRA -.0863 RC3 .1847 FAU .02768
 FDE .7815 FRA .7005 FC3-1.4021 BSP 17290
 BDE 2.1343 BRA .6740 BC3 5.3319 FSP -549

MID-COURSE EXECUTION ACCURACY

SGT 5391.1 SGR 401.7 SG3 164.8
 RRT .1000 RRF .0799 RTF .9101
 SGB 5406.1 R23 -.0117 R13 .9101
 SG1 5391.3 SG2 399.7 THA .43

ORBIT DETERMINATION ACCURACY

ST 2956.0 SR 350.0 SS 713.8
 CRT .9753 CRS -.9210 CST -.9833
 LSA 3057.4 MSA 148.0 SSA 21.4
 EL1 2975.6 EL2 76.8 ALF 6.59

LAUNCH DATE DEC 18 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 524.247

RL 147.20 LAL -0.00 LOL 85.86 VL 26.536 GAL 1.82 AZL 86.57 HCA 261.88 SMA 120.76 ECC .22118 INC 3.4277 V1 30.266
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.615 GAP 11.46 A7P 90.48 TAL 173.55 TAP 75.43 RCA 94.05 APO 147.46 V2 34.832
 RC 179.385 GL 22.04 GP -2.70 ZAL 76.51 ZAP 171.50 ETS 342.17 ZAE 130.46 ETE 182.46 ZAC 91.05 ETC 166.36 CLP-171.93

PLANETOCENTRIC CONIC

C3 17.858 VML 4.226 OLA 24.27 RAL .30 RAD 6567.7 VEL 11.800 PTH 2.09 VMP 7.501 DPA -7.20 RAP 358.60 ECC 1.2939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 12 3070.06 -27.51 101.50 228.36 83.01 2 41 22 2470.1 -28.19 92.90
 90.00 21 21 31 3949.40 -7.96 157.91 222.07 62.74 22 27 20 3349.4 -11.56 151.07
 100.00 3 32 4 2741.64 -29.52 77.58 228.60 85.05 4 17 46 2141.6 -29.89 68.79
 100.00 22 22 20 3753.05 -6.18 142.52 221.11 60.70 23 24 53 3153.0 -10.04 135.86
 110.00 5 20 28 2402.49 -34.18 52.06 228.84 89.92 6 0 31 1802.5 -33.82 42.83
 110.00 22 50 25 3664.97 -2.21 133.39 218.64 55.88 23 51 30 3065.0 -6.67 127.14

DIFFERENTIAL CORRECTIONS

TOE 2.1950 TRA .8976 TC3-5.1346 BAU 1.2265
 ROE .2651 RRA -.0877 RC3 .1674 FAU .02588
 FDE .7688 FRA .7453 FC3-1.2546 BSP 17401
 BDE 2.2109 BRA .9018 BC3 5.1373 FSP -533

MID-COURSE EXECUTION ACCURACY

SGT 5428.7 SGR 407.7 SG3 160.2
 RRT .1273 RRF .1060 RTF .9121
 SGB 5444.0 R23 -.0108 R13 .9121
 SG1 5429.0 SG2 404.4 THA .55

ORBIT DETERMINATION ACCURACY

ST 3005.7 SR 361.6 SS 709.4
 CRT .9693 CRS -.9134 CST -.9846
 LSA 3105.7 MSA 149.9 SSA 20.9
 EL1 3026.0 EL2 88.3 ALF 6.66

LAUNCH DATE DEC 18 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 529.792

RL 147.20 LAL -0.00 LOL 85.86 VL 26.489 GAL 2.38 AZL 86.60 HCA 265.05 SMA 120.48 ECC .22541 INC 3.3963 V1 30.266
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.589 GAP 11.79 A7P 90.29 TAL 171.77 TAP 76.82 RCA 93.32 APO 147.64 V2 34.840
 RC 181.409 GL 21.20 GP -2.61 ZAL 73.37 ZAP 172.26 ETS 341.10 ZAE 130.52 ETE 182.41 ZAC 93.34 ETC 166.59 CLP-172.71

PLANETOCENTRIC CONIC

C3 18.793 VML 4.335 OLA 24.83 RAL 3.75 RAD 6567.8 VEL 11.840 PTH 2.10 VMP 7.699 DPA -6.14 RAP .75 ECC 1.3093
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 31 3114.68 -27.10 104.70 232.82 81.45 2 46 26 2514.7 -28.00 96.15
 90.00 21 44 43 3928.65 -8.61 156.73 226.62 62.92 22 50 11 3328.7 -12.17 149.86
 100.00 3 38 6 2780.74 -29.25 80.45 233.15 83.56 4 24 26 2180.7 -29.84 71.70
 100.00 22 43 49 3737.82 -6.69 141.67 225.58 60.80 23 46 7 3137.8 -10.53 134.99
 110.00 5 28 52 2434.19 -34.15 54.53 233.55 88.46 6 9 26 1834.2 -33.99 45.29
 110.00 23 9 33 3657.14 -2.51 132.98 223.00 55.90 24 10 30 3057.1 -6.97 126.73

DIFFERENTIAL CORRECTIONS

TOE 2.2655 TRA 1.1360 TC3-4.9155 BAU 1.2355
 ROE .2805 RRA -.0877 RC3 .1492 FAU .02426
 FDE .7546 FRA .7875 FC3-1.1175 BSP 17574
 BDE 2.2828 BRA 1.1394 BC3 4.9178 FSP -521

MID-COURSE EXECUTION ACCURACY

SGT 5465.0 SGR 412.9 SG3 155.7
 RRT .1539 RRF .1314 RTF .9150
 SGB 5480.5 R23 -.0103 R13 .9150
 SG1 5465.3 SG2 407.9 THA .67

ORBIT DETERMINATION ACCURACY

ST 3037.9 SR 372.7 SS 702.1
 CRT .9631 CRS -.9061 CST -.9858
 LSA 3136.3 MSA 152.5 SSA 20.3
 EL1 3059.0 EL2 99.6 ALF 6.75

LAUNCH DATE DEC 18 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 535.302

RL 147.20 LAL -1.00 LOL 85.86 VL 26.443 GAL 2.96 AZL 86.63 MCA 268.22 SMA 120.22 ECC .23004 INC 3.3653 V1 30.266
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.564 GAP 12.14 AZP 90.10 TAL 169.99 TAP 78.21 RCA 92.56 APO 147.87 V2 34.849
 RC 183.413 GL 20.33 GP -2.53 ZAL 70.26 ZAP 173.01 ETS 339.72 ZAE 130.59 ETE 182.36 ZAC 95.65 ETC 166.78 CLP-173.48

PLANETOCENTRIC CONIC

C3 19.916 VHL 4.463 DLA 25.31 RAL 7.18 RAD 6567.8 VEL 11.887 PTH 2.11 VMP 7.909 CPA -5.08 RAP 2.91 ECC 1.3278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 25 3158.52 -26.62 107.82 237.35 79.96 2 52 4 2558.5 -27.73 99.33
 90.00 22 7 10 3912.29 -9.11 155.79 231.24 63.07 23 12 22 3312.3 -12.65 148.90
 100.00 3 44 45 2818.93 -28.93 83.25 237.77 82.12 4 31 44 2218.9 -29.72 74.53
 100.00 23 4 31 3727.10 -7.05 141.08 230.13 60.88 24 6 38 3127.1 -10.88 134.38
 110.00 5 37 47 2465.30 -34.07 56.96 238.34 87.02 6 18 52 1865.3 -34.11 47.72
 110.00 23 27 59 3653.49 -2.65 132.79 227.41 55.91 24 28 52 3053.5 -7.11 126.54

DIFFERENTIAL CORRECTIONS

TDE 2.3339 TRA 1.3887 TC3-4.6647 BAU 1.2425
 RDE .2970 RRA -.0864 RC3 .1309 FAU .02263
 FDE .7406 FRA .8306 FC3 -.9839 BSP 17726
 BDE 2.3527 BRA 1.3913 BC3 4.6665 FSP -509

MID-COURSE EXECUTION ACCURACY

SGT 5495.7 SGR 417.2 SG3 151.3
 RRT .1806 RRF .1578 RTF .9177
 SGB 5511.5 R23 -.0090 R13 .9177
 SGI 5496.2 SG2 410.3 THA .79

ORBIT DETERMINATION ACCURACY

ST 3056.8 SR 383.0 SS 693.5
 CRT .9567 CRS -.8988 CST -.9869
 LSA 3153.9 MSA 156.2 SSA 19.6
 EL1 3078.7 EL2 110.7 ALF 6.84

LAUNCH DATE DEC 18 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 540.773

RL 147.20 LAL -1.00 LOL 85.86 VL 26.397 GAL 3.57 AZL 86.67 MCA 271.39 SMA 119.95 ECC .23509 INC 3.3342 V1 30.266
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.540 GAP 12.51 AZP 89.92 TAL 168.21 TAP 79.61 RCA 91.75 APO 148.15 V2 34.858
 RC 185.395 GL 19.41 GP -2.45 ZAL 67.22 ZAP 173.75 ETS 337.94 ZAE 130.66 ETE 182.33 ZAC 97.96 ETC 166.95 CLP-174.25

PLANETOCENTRIC CONIC

C3 21.253 VHL 4.610 DLA 25.72 RAL 10.56 RAD 6567.9 VEL 11.943 PTH 2.13 VMP 8.133 CPA -4.02 RAP 5.07 ECC 1.3498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 3 3200.89 -26.08 110.81 241.93 78.56 2 58 24 2600.9 -27.40 102.39
 90.00 22 28 33 3901.00 -9.46 155.14 235.90 63.19 23 33 34 3301.0 -12.98 148.24
 100.00 3 52 7 2855.73 -28.56 85.92 242.44 80.77 4 39 43 2255.7 -29.54 77.25
 100.00 23 24 10 3721.40 -7.24 140.76 234.71 60.92 24 26 11 3121.4 -11.06 134.06
 110.00 5 47 13 2495.62 -33.94 59.32 243.19 85.63 6 28 48 1895.6 -34.17 50.08
 110.00 23 43 34 3654.27 -2.62 132.83 231.86 55.91 24 46 28 3054.3 -7.08 126.58

DIFFERENTIAL CORRECTIONS

TDE 2.3990 TRA 1.6552 TC3-4.3906 BAU 1.2479
 RDE .3146 RRA -.0835 RC3 .1128 FAU .02106
 FDE .7266 FRA .8737 FC3 -.8579 BSP 17868
 BDE 2.4195 BRA 1.6573 BC3 4.3920 FSP -497

MID-COURSE EXECUTION ACCURACY

SGT 5521.9 SGR 420.6 SG3 147.0
 RRT .2074 RRF .1845 RTF .9205
 SGB 5537.9 R23 -.0076 R13 .9205
 SGI 5522.6 SG2 411.4 THA .91

ORBIT DETERMINATION ACCURACY

ST 3061.6 SR 392.5 SS 683.8
 CRT .9500 CRS -.8916 CST -.9879
 LSA 3157.4 MSA 160.6 SSA 18.8
 EL1 3084.3 EL2 121.6 ALF 6.95

LAUNCH DATE DEC 18 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 546.199

RL 147.20 LAL -1.00 LOL 85.86 VL 26.352 GAL 4.21 AZL 86.70 MCA 274.57 SMA 119.70 ECC .24062 INC 3.3031 V1 30.266
 RP 108.68 LAP -3.29 LOP 357.44 VP 36.517 GAP 12.90 AZP 89.74 TAL 166.45 TAP 81.02 RCA 90.89 APO 148.50 V2 34.868
 RC 187.357 GL 18.48 GP -2.38 ZAL 64.25 ZAP 174.48 ETS 335.58 ZAE 130.73 ETE 182.30 ZAC 100.27 ETC 167.08 CLP-175.02

PLANETOCENTRIC CONIC

C3 22.833 VHL 4.778 DLA 26.04 RAL 13.89 RAD 6567.9 VEL 12.009 PTH 2.14 VMP 8.373 CPA -2.96 RAP 7.24 ECC 1.3758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 35 3241.08 -25.51 113.61 246.54 77.26 3 5 36 2641.1 -27.01 105.26
 90.00 22 48 34 3895.51 -9.63 154.83 240.58 63.24 23 53 29 3295.5 -13.14 147.91
 100.00 4 0 15 2890.71 -28.15 88.44 247.15 79.50 4 48 26 2290.7 -29.31 79.83
 100.00 23 42 34 3721.11 -7.25 140.74 239.31 60.92 24 44 35 3121.1 -11.07 134.04
 110.00 5 57 9 2524.96 -33.76 61.59 248.08 84.30 6 39 14 1925.0 -34.18 52.37
 110.00 0 6 5 3659.63 -2.41 133.11 236.33 55.89 1 7 5 3059.6 -6.87 126.86

DIFFERENTIAL CORRECTIONS

TDE 2.4641 TRA 1.9404 TC3-4.0933 BAU 1.2499
 RDE .3333 RRA -.0789 RC3 .0956 FAU .01948
 FDE .7141 FRA .9189 FC3 -.7385 BSP 17910
 BDE 2.4866 BRA 1.9420 BC3 4.0944 FSP -480

MID-COURSE EXECUTION ACCURACY

SGT 5544.2 SGR 423.2 SG3 142.9
 RRT .2348 RRF .2124 RTF .9233
 SGB 5560.3 R23 -.0058 R13 .9233
 SGI 5545.1 SG2 411.3 THA 1.03

ORBIT DETERMINATION ACCURACY

ST 3057.3 SR 400.9 SS 674.3
 CRT .9431 CRS -.8844 CST -.9889
 LSA 3151.9 MSA 165.7 SSA 18.1
 EL1 3080.6 EL2 132.3 ALF 7.06

LAUNCH DATE DEC 18 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 551.573

RL 147.20 LAL -1.00 LOL 85.86 VL 26.308 GAL 4.88 AZL 86.73 MCA 277.75 SMA 119.45 ECC .24668 INC 3.2718 V1 30.266
 RP 108.65 LAP -3.24 LOP 362.36 VP 36.495 GAP 13.32 AZP 89.56 TAL 164.69 TAP 82.44 RCA 89.98 APO 148.91 V2 34.878
 RC 189.297 GL 17.52 GP -2.32 ZAL 61.36 ZAP 175.20 ETS 332.41 ZAE 130.79 ETE 182.28 ZAC 102.59 ETC 167.18 CLP-175.79

PLANETOCENTRIC CONIC

C3 24.690 VHL 4.969 DLA 26.28 RAL 17.14 RAD 6568.0 VEL 12.086 PTH 2.16 VMP 8.630 CPA -1.91 RAP 9.41 ECC 1.4063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 8 3278.38 -24.92 116.18 251.16 76.10 3 13 47 2678.4 -26.59 107.91
 90.00 23 6 54 3896.47 -9.60 154.88 245.24 63.23 24 11 51 3296.5 -13.12 147.97
 100.00 4 9 13 2923.53 -27.72 90.78 251.87 78.34 4 57 56 2323.5 -29.05 82.23
 100.00 0 3 27 3726.55 -7.06 141.05 243.88 60.88 1 5 34 3126.6 -10.89 134.35
 110.00 6 7 34 2553.22 -33.55 63.77 252.98 83.03 6 50 7 1953.2 -34.15 54.58
 110.00 0 21 35 3669.63 -2.03 133.63 240.78 55.87 1 22 45 3069.6 -6.50 127.39

DIFFERENTIAL CORRECTIONS

TDE 2.5218 TRA 2.2377 TC3-3.7915 BAU 1.2518
 RDE .3529 RRA -.0727 RC3 .0793 FAU .01802
 FDE .6999 FRA .9629 FC3 -.6320 BSP 18039
 BDE 2.5464 BRA 2.2389 BC3 3.7923 FSP -469

MID-COURSE EXECUTION ACCURACY

SGT 5561.8 SGR 424.8 SG3 138.8
 RRT .2613 RRF .2392 RTF .9266
 SGB 5578.0 R23 -.0044 R13 .9266
 SGI 5562.9 SG2 410.0 THA 1.15

ORBIT DETERMINATION ACCURACY

ST 3035.4 SR 407.9 SS 662.6
 CRT .9359 CRS -.8772 CST -.9897
 LSA 3128.8 MSA 171.2 SSA 17.3
 EL1 3059.3 EL2 142.5 ALF 7.18

LAUNCH DATE DEC 18 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 556.887

RL 147.20 LAL -.00 LOL 85.86 VL 26.264 GAL 5.60 AZL 86.76 MCA 280.93 SMA 119.20 ECC .25331 INC 3.2399 V1 30.266
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.474 GAP 13.78 AZP 89.39 TAL 162.96 TAP 83.88 RCA 89.00 APO 149.39 V2 34.889
 RC 191.216 GL 16.56 GP -2.26 ZAL 58.58 ZAP 175.89 ETS 328.04 ZAE 130.85 ETE 182.26 ZAC 104.91 ETC 167.26 CLP-176.56

PLANETOCENTRIC CONIC

C3 26.866 VHL 5.183 DLA 26.44 RAL 20.29 RAD 6568.1 VEL 12.175 PTH 2.19 VHP 8.907 DPA -.86 RAP 11.57 ECC 1.4421
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 51 3312.20 -24.35 118.50 255.80 75.08 3 23 4 2712.2 -26.16 110.30
 90.00 23 23 20 3904.39 -9.36 155.34 249.85 63.15 24 28 25 3304.4 -12.89 148.44
 100.00 4 18 59 2953.95 -27.28 92.94 256.60 77.28 5 8 13 2353.9 -28.76 84.45
 100.00 0 18 50 3737.87 -6.69 141.68 248.41 60.80 1 21 7 3137.9 -10.53 135.00
 110.00 6 18 23 2580.37 -33.31 65.85 257.89 81.82 7 1 23 1980.4 -34.08 56.70
 110.00 0 35 55 3684.22 -1.48 134.39 245.19 55.84 1 37 19 3084.2 -5.95 128.16

DIFFERENTIAL CORRECTIONS

TDE 2.5771 TRA 2.5529 TC3-3.4825 BAU 1.2510
 RDE .3733 RRA -.0646 RC3 .0643 FAU .01660
 FDE .6864 FRA 1.0086 FC3 -.5349 BSP 18136
 BDE 2.6040 BRA 2.5537 BC3 3.4831 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 5575.1 SGR 425.6 SG3 134.8
 RRT .2880 RRF .2663 RTF .9299
 SGB 5591.3 R23 -.0031 R13 .9299
 SG1 5576.4 SG2 407.5 THA 1.27

ORBIT DETERMINATION ACCURACY

ST 3003.5 SR 413.4 SS 651.0
 CRT .9285 CRS -.8698 CST -.9905
 LSA 3095.8 MSA 176.9 SSA 16.5
 EL1 3028.0 EL2 152.3 ALF 7.30

LAUNCH DATE DEC 18 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 562.131

RL 147.20 LAL -.00 LOL 85.86 VL 26.221 GAL 6.35 AZL 86.79 MCA 284.11 SMA 118.96 ECC .26059 INC 3.2073 V1 30.266
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.453 GAP 14.27 AZP 89.22 TAL 161.24 TAP 85.35 RCA 87.96 APO 149.96 V2 34.900
 RC 193.113 GL 15.60 GP -2.21 ZAL 55.89 ZAP 176.54 ETS 321.79 ZAE 130.90 ETE 182.24 ZAC 107.23 ETC 167.29 CLP-177.34

PLANETOCENTRIC CONIC

C3 29.409 VHL 5.423 DLA 26.53 RAL 23.33 RAD 6568.2 VEL 12.279 PTH 2.21 VHP 9.206 DPA .18 RAP 13.74 ECC 1.4840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 47 3342.17 -23.81 120.53 260.45 74.20 3 33 29 2742.2 -25.75 112.39
 90.00 23 37 42 3919.52 -8.89 156.21 254.38 63.00 24 43 1 3319.5 -12.44 149.33
 100.00 4 29 33 2981.89 -26.85 94.90 261.33 76.34 5 19 15 2381.9 -28.46 86.47
 100.00 0 32 33 3755.04 -6.12 142.63 252.88 60.68 1 35 8 3155.0 -9.98 135.97
 110.00 6 29 32 2606.43 -33.04 67.84 262.78 80.67 7 12 59 2006.4 -33.97 58.73
 110.00 0 49 3 3703.27 -.75 135.38 249.56 55.82 1 50 46 3103.3 -5.23 129.16

DIFFERENTIAL CORRECTIONS

TDE 2.6292 TRA 2.8864 TC3-3.1736 BAU 1.2479
 RDE .3945 RRA -.0548 RC3 .0509 FAU .01524
 FDE .6735 FRA 1.0554 FC3 -.4485 BSP 18229
 BDE 2.6586 BRA 2.8869 BC3 3.1740 FSP -445

MID-COURSE EXECUTION ACCURACY

SGT 5584.1 SGR 425.4 SG3 130.9
 RRT .3147 RRF .2934 RTF .9335
 SGB 5600.3 R23 -.0019 R13 .9335
 SG1 5585.7 SG2 403.7 THA 1.38

ORBIT DETERMINATION ACCURACY

ST 2961.9 SR 417.3 SS 639.5
 CRT .9207 CRS -.8624 CST -.9913
 LSA 3053.2 MSA 182.6 SSA 15.7
 EL1 2986.8 EL2 161.5 ALF 7.41

LAUNCH DATE DEC 18 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 567.294

RL 147.20 LAL -.00 LOL 85.86 VL 26.179 GAL 7.15 AZL 86.83 MCA 287.29 SMA 118.72 ECC .26859 INC 3.1737 V1 30.266
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.434 GAP 14.80 AZP 89.06 TAL 159.55 TAP 86.84 RCA 86.83 APO 150.61 V2 34.912
 RC 194.989 GL 14.64 GP -2.16 ZAL 53.32 ZAP 177.14 ETS 312.56 ZAE 130.95 ETE 182.23 ZAC 109.54 ETC 167.30 CLP-178.12

PLANETOCENTRIC CONIC

C3 32.380 VHL 5.690 DLA 26.56 RAL 26.26 RAD 6568.3 VEL 12.400 PTH 2.24 VHP 9.530 DPA 1.21 RAP 15.90 ECC 1.5329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 53 3368.24 -23.31 122.28 265.09 73.46 3 45 2 2768.2 -25.36 114.20
 90.00 23 49 56 3941.80 -8.20 157.48 258.81 62.80 24 55 38 3341.8 -11.78 150.63
 100.00 4 40 49 3007.42 -26.42 96.68 266.04 75.49 5 30 56 2407.4 -28.16 88.31
 100.00 0 44 38 3777.84 -5.36 143.89 257.27 60.55 1 47 35 3177.8 -9.24 137.26
 110.00 6 40 58 2631.48 -32.74 69.74 267.65 79.58 7 24 49 2031.5 -33.83 60.67
 110.00 1 0 58 3726.55 .14 136.60 253.85 55.82 2 3 5 3126.5 -4.34 130.39

DIFFERENTIAL CORRECTIONS

TDE 2.6821 TRA 3.2434 TC3-2.8633 BAU 1.2396
 RDE .4164 RRA -.0428 RC3 .0392 FAU .01384
 FDE .6626 FRA 1.1053 FC3 -.3700 BSP 18227
 BDE 2.7143 BRA 3.2437 BC3 2.8636 FSP -431

MID-COURSE EXECUTION ACCURACY

SGT 5589.5 SGR 424.4 SG3 127.3
 RRT .3418 RRF .3214 RTF .9371
 SGB 5605.6 R23 -.0006 R13 .9371
 SG1 5591.4 SG2 398.7 THA 1.49

ORBIT DETERMINATION ACCURACY

ST 2916.0 SR 419.6 SS 629.6
 CRT .9126 CRS -.8552 CST -.9921
 LSA 3006.6 MSA 188.2 SSA 15.0
 EL1 2941.1 EL2 170.1 ALF 7.51

LAUNCH DATE DEC 18 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 572.361

RL 147.20 LAL -.00 LOL 85.86 VL 26.137 GAL 8.00 AZL 86.86 MCA 290.48 SMA 118.49 ECC .27739 INC 3.1390 V1 30.266
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.415 GAP 15.38 AZP 88.90 TAL 157.88 TAP 88.36 RCA 85.62 APO 151.36 V2 34.924
 RC 196.842 GL 13.69 GP -2.12 ZAL 50.86 ZAP 177.62 ETS 298.75 ZAE 130.98 ETE 182.22 ZAC 111.84 ETC 167.27 CLP-178.92

PLANETOCENTRIC CONIC

C3 35.850 VHL 5.988 DLA 26.52 RAL 29.05 RAD 6568.4 VEL 12.539 PTH 2.27 VHP 9.883 DPA 2.23 RAP 18.07 ECC 1.5900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 2 3390.61 -22.87 123.77 269.72 72.83 3 57 33 2790.6 -25.01 115.75
 90.00 0 4 2 3970.80 -7.29 159.13 263.13 62.56 1 10 12 3370.8 -10.91 152.32
 100.00 4 52 40 3030.72 -26.02 98.29 270.72 74.74 5 43 11 2430.7 -27.86 89.97
 100.00 0 55 5 3805.92 -4.41 145.45 261.56 60.41 1 58 31 3205.9 -8.32 138.84
 110.00 6 52 33 2655.62 -32.43 71.55 272.47 78.55 7 36 49 2055.6 -33.67 62.53
 110.00 1 11 41 3753.79 1.18 138.02 258.08 55.83 2 14 15 3153.8 -3.31 131.81

DIFFERENTIAL CORRECTIONS

TDE 2.7303 TRA 3.6188 TC3-2.5661 BAU 1.2300
 RDE .4388 RRA -.0290 RC3 .0292 FAU .01255
 FDE .6514 FRA 1.1561 FC3 -.3031 BSP 18294
 BDE 2.7654 BRA 3.6189 BC3 2.5662 FSP -420

MID-COURSE EXECUTION ACCURACY

SGT 5589.8 SGR 422.5 SG3 123.7
 RRT .3684 RRF .3485 RTF .9409
 SGB 5605.7 R23 .0002 R13 .9409
 SG1 5592.0 SG2 392.6 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 2860.6 SR 420.0 SS 619.4
 CRT .9041 CRS -.8477 CST -.9928
 LSA 2950.5 MSA 193.4 SSA 14.3
 EL1 2885.7 EL2 177.9 ALF 7.59

LAUNCH DATE DEC 18 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 577.315

RL 147.20 LAL -1.00 LOL 85.86 VL 26.096 GAL 8.91 AZL 86.90 HCA 293.66 SMA 118.26 ECC .28710 INC 3.1027 V1 30.266
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.398 GAP 16.01 AZP 88.75 TAL 156.26 TAP 89.92 RCA 84.31 APO 152.22 V2 34.936
 RC 198.673 GL 12.76 GP -2.08 ZAL 48.52 ZAP 177.90 ETS 279.27 ZAE 130.99 ETE 182.22 ZAC 114.13 ETC 167.21 CLP -179.73

PLANETOCENTRIC CONIC

C3 39.910 VHL 6.317 DLA 26.42 RAL 31.72 RAD 6568.5 VEL 12.699 PTH 2.31 VHP 10.268 DPA 3.23 RAP 20.22 ECC 1.6568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 14 1 3409.80 -22.48 125.04 274.32 72.31 4 10 50 2809.8 -24.69 117.06
 90.00 0 12 17 4005.82 -6.19 161.11 267.33 62.31 1 19 2 3405.8 -9.85 154.34
 100.00 5 4 59 3052.06 -25.63 99.76 275.36 74.06 5 55 51 2452.1 -27.56 91.49
 100.00 1 4 0 3838.79 -3.31 147.26 265.74 60.27 2 7 59 3238.8 -7.24 140.68
 110.00 7 4 13 2678.97 -32.10 73.29 277.23 77.57 7 48 52 2079.0 -33.48 64.33
 110.00 1 21 15 3784.65 2.36 139.63 262.21 55.89 2 24 19 3184.7 -2.13 133.43

DIFFERENTIAL CORRECTIONS

TOE 2.7777 TRA 4.0188 TC3-2.2801 BAU 1.2166
 RDE .4615 RRA -.0130 RC3 .0208 FAU .01129
 FDE .6414 FRA 1.2097 FC3 -.2450 BSP 18807
 BOE 2.8158 BRA 4.0188 BC3 2.2802 FSP -410

MID-COURSE EXECUTION ACCURACY

SGT 5586.5 SGR 419.6 SG3 120.2
 RRT .3948 RRF .3757 RTF .9449
 SGB 5602.3 R23 .0009 R13 .9449
 SG1 5589.0 SG2 385.3 TMA 1.71

ORBIT DETERMINATION ACCURACY

ST 2800.8 SR 418.6 SS 610.5
 CRT .8953 CRS -.8402 CST -.9936
 LSA 2890.2 MSA 198.2 SSA 13.7
 EL1 2825.9 EL2 184.8 ALF 7.65

LAUNCH DATE DEC 18 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 582.134

RL 147.20 LAL -1.00 LOL 85.86 VL 26.056 GAL 9.89 AZL 86.94 HCA 296.85 SMA 118.04 ECC .29783 INC 3.0646 V1 30.266
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.381 GAP 16.70 AZP 88.61 TAL 154.67 TAP 91.53 RCA 82.89 APO 153.20 V2 34.948
 RC 200.481 GL 11.85 GP -2.04 ZAL 46.31 ZAP 177.88 ETS 256.70 ZAE 130.98 ETE 182.21 ZAC 116.41 ETC 167.11 CLP 179.44

PLANETOCENTRIC CONIC

C3 44.667 VHL 6.683 DLA 26.27 RAL 34.23 RAD 6568.7 VEL 12.885 PTH 2.35 VHP 10.690 DPA 4.22 RAP 22.37 ECC 1.7351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 34 3426.41 -22.13 126.13 278.88 71.87 4 24 40 2826.4 -24.41 118.20
 90.00 0 18 49 4046.00 -4.91 163.37 271.40 62.08 1 26 15 3446.0 -8.61 156.65
 100.00 5 17 35 3071.75 -25.25 101.10 279.95 73.45 6 8 46 2471.7 -27.28 92.88
 100.00 1 11 29 3875.89 -2.05 149.30 269.82 60.17 2 16 5 3275.9 -6.01 142.74
 110.00 7 15 52 2701.63 -31.76 74.97 281.92 76.63 8 0 54 2101.6 -33.27 66.07
 110.00 1 29 41 3818.78 3.67 141.42 266.26 55.99 2 33 20 3218.8 -8.82 135.21

DIFFERENTIAL CORRECTIONS

TOE 2.8262 TRA 4.4456 TC3-2.0041 BAU 1.1968
 RDE .4845 RRA -.0052 RC3 .0140 FAU .01005
 FDE .6330 FRA 1.2668 FC3 -.1947 BSP 18407
 BOE 2.8675 BRA 4.4456 BC3 2.0042 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 5577.6 SGR 415.8 SG3 116.8
 RRT .4215 RRF .4029 RTF .9491
 SGB 5593.1 R23 .0012 R13 .9491
 SG1 5580.4 SG2 376.9 TMA 1.81

ORBIT DETERMINATION ACCURACY

ST 2739.1 SR 415.4 SS 603.2
 CRT .8862 CRS -.8329 CST -.9943
 LSA 2828.0 MSA 202.1 SSA 13.0
 EL1 2763.8 EL2 190.7 ALF 7.69

LAUNCH DATE DEC 18 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 586.790

RL 147.20 LAL -1.00 LOL 85.86 VL 26.017 GAL 10.94 AZL 86.98 HCA 300.04 SMA 117.83 ECC .30971 INC 3.0243 V1 30.266
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.365 GAP 17.47 AZP 88.48 TAL 153.14 TAP 93.19 RCA 81.34 APO 154.32 V2 34.961
 RC 202.264 GL 10.96 GP -2.01 ZAL 44.23 ZAP 177.55 ETS 237.04 ZAE 130.95 ETE 182.21 ZAC 118.66 ETC 166.97 CLP 178.59

PLANETOCENTRIC CONIC

C3 50.260 VHL 7.089 DLA 26.07 RAL 36.61 RAD 6568.8 VEL 13.100 PTH 2.39 VHP 11.154 DPA 5.18 RAP 24.51 ECC 1.8272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 27 3441.05 -21.82 127.09 283.39 71.49 4 38 48 2841.0 -24.15 119.19
 90.00 0 23 52 4090.44 -3.49 165.86 275.34 61.88 1 32 2 3490.4 -7.23 159.17
 100.00 5 30 19 3090.08 -24.89 102.34 284.46 72.89 6 21 49 2490.1 -27.00 94.17
 100.00 1 17 41 3916.64 -6.67 151.53 273.77 60.11 2 22 58 3316.6 -4.64 145.00
 110.00 7 27 25 2723.69 -31.40 76.59 286.53 75.74 8 12 49 2123.7 -33.04 67.75
 110.00 1 37 4 3855.79 5.07 143.36 270.20 56.15 2 41 20 3255.8 .59 137.14

DIFFERENTIAL CORRECTIONS

TOE 2.8787 TRA 4.9050 TC3-1.7419 BAU 1.1704
 RDE .5078 RRA .0258 RC3 .0089 FAU .00877
 FDE .6271 FRA 1.3288 FC3 -.1511 BSP 18355
 BOE 2.9232 BRA 4.9051 BC3 1.7419 FSP -386

MID-COURSE EXECUTION ACCURACY

SGT 5566.8 SGR 411.3 SG3 113.7
 RRT .4483 RRF .4307 RTF .9533
 SGB 5582.0 R23 .0016 R13 .9533
 SG1 5569.9 SG2 367.4 TMA 1.91

ORBIT DETERMINATION ACCURACY

ST 2677.9 SR 410.5 SS 598.4
 CRT .8770 CRS -.8259 CST -.9950
 LSA 2766.8 MSA 205.2 SSA 12.4
 EL1 2702.1 EL2 195.4 ALF 7.70

LAUNCH DATE DEC 18 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 591.249

RL 147.20 LAL -1.00 LOL 85.86 VL 25.978 GAL 12.08 AZL 87.02 HCA 303.24 SMA 117.62 ECC .32292 INC 2.9812 V1 30.266
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.350 GAP 18.31 AZP 88.36 TAL 151.68 TAP 94.91 RCA 79.64 APO 155.61 V2 34.974
 RC 204.023 GL 10.09 GP -1.98 ZAL 42.28 ZAP 176.98 ETS 223.01 ZAE 130.89 ETE 182.20 ZAC 120.88 ETC 166.79 CLP 177.71

PLANETOCENTRIC CONIC

C3 56.859 VHL 7.540 DLA 25.83 RAL 38.83 RAD 6569.0 VEL 13.350 PTH 2.44 VHP 11.668 DPA 6.12 RAP 26.64 ECC 1.9357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 27 3454.23 -21.53 127.95 287.81 71.15 4 53 1 2854.2 -23.91 120.09
 90.00 0 27 36 4138.30 -1.95 168.54 279.15 61.74 1 36 35 3538.3 -5.72 161.88
 100.00 5 43 4 3107.30 -24.54 103.50 288.89 72.37 6 34 51 2507.3 -26.72 95.38
 100.00 1 22 41 3960.47 .82 153.94 277.61 60.12 2 28 41 3360.5 -3.17 147.41
 110.00 7 38 47 2745.21 -31.03 78.16 291.04 74.88 8 24 33 2145.2 -32.79 69.38
 110.00 1 43 26 3895.32 6.57 145.44 274.05 56.38 2 48 22 3295.3 2.10 139.20

DIFFERENTIAL CORRECTIONS

TOE 2.9309 TRA 5.3945 TC3-1.4984 BAU 1.1390
 RDE .5311 RRA .0487 RC3 .0050 FAU .00755
 FDE .6219 FRA 1.3943 FC3 -.1149 BSP 18384
 BOE 2.9786 BRA 5.3948 BC3 1.4984 FSP -376

MID-COURSE EXECUTION ACCURACY

SGT 5550.2 SGR 405.7 SG3 110.6
 RRT .4746 RRF .4578 RTF .9577
 SGB 5565.0 R23 .0015 R13 .9577
 SG1 5553.6 SG2 356.9 TMA 2.00

ORBIT DETERMINATION ACCURACY

ST 2613.6 SR 403.7 SS 594.7
 CRT .8677 CRS -.8189 CST -.9957
 LSA 2702.7 MSA 207.4 SSA 11.8
 EL1 2637.1 EL2 198.9 ALF 7.68

LAUNCH DATE DEC 18 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 25.941 GAL 13.32 AZL 87.07 MCA 306.44 SMA 117.42 ECC .33765 INC 2.9349 V1 30.266
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.336 GAP 19.25 A7P 88.26 TAL 150.29 TAP 96.72 RCA 77.77 APO 157.07 V2 34.987
 RC 205.757 GL 9.25 GP -1.95 ZAL 40.46 ZAP 176.25 ETS 213.59 ZAE 130.79 ETE 182.19 ZAC 123.07 ETC 166.57 CLP 176.80

PLANETOCENTRIC CONIC
 C3 64.680 VML 8.042 CLA 25.55 RAL 40.90 RAD 6569.2 VEL 13.639 PTH 2.49 VHP 12.238 DPA 7.04 RAP 28.74 ECC 2.0645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 21 3466.34 -21.26 128.74 292.13 70.85 5 7 8 2866.3 -23.68 120.90
 90.00 0 30 12 4188.81 -.32 171.36 282.83 61.68 1 40 1 3588.8 -4.11 164.72
 100.00 5 55 41 3123.57 -24.20 104.59 293.21 71.90 6 47 44 2523.6 -26.45 96.51
 100.00 1 26 34 4006.82 2.39 156.48 281.33 60.19 2 33 21 3406.8 -1.60 149.96
 110.00 7 49 54 2766.18 -30.64 79.67 295.43 74.06 8 36 1 2166.2 -32.52 70.96
 110.00 1 48 50 3936.97 8.13 147.65 277.79 56.68 2 54 27 3337.0 3.69 141.38

DIFFERENTIAL CORRECTIONS
 TOE 2.9881 TRA 5.9222 TC3-1.2709 BAU 1.0990 SGT 5529.9 SGR 399.3 SG3 107.7 ST 2550.3 SR 395.4 SS 593.5
 ROE .5545 RRA .0740 RC3 .0024 FAU .00630 RRT .5009 RRF .4850 RTF .9620 CRT .8583 CRS -.8123 CST -.9963
 FDE .6190 FRA 1.4657 FC3 -.0843 BSP 18391 SGB 5544.3 R23 .0013 R13 .9620 LSA 2639.9 MSA 208.3 SSA 11.2
 BOE 3.0391 BRA 5.9226 BC3 1.2709 FSP -366 SG1 5533.5 SG2 345.4 THA 2.08 EL1 2572.9 EL2 201.1 ALF 7.63

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 25.905 GAL 14.68 AZL 87.12 MCA 309.63 SMA 117.23 ECC .35411 INC 2.8845 V1 30.266
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.323 GAP 20.29 A7P 88.16 TAL 148.99 TAP 98.62 RCA 75.72 APO 158.74 V2 35.000
 RC 207.465 GL 8.43 GP -1.92 ZAL 38.78 ZAP 175.42 ETS 207.16 ZAE 130.65 ETE 182.19 ZAC 125.22 ETC 166.31 CLP 175.84

PLANETOCENTRIC CONIC
 C3 74.000 VML 8.602 CLA 25.24 RAL 42.81 RAD 6569.4 VEL 13.977 PTH 2.55 VHP 12.874 DPA 7.93 RAP 30.81 ECC 2.2179
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 2 3477.61 -21.01 129.47 296.33 70.57 5 20 59 2877.6 -23.47 121.66
 90.00 0 31 47 4241.35 1.37 174.29 286.38 61.71 1 42 28 3641.3 -2.42 167.66
 100.00 6 8 3 3139.00 -23.87 105.62 297.40 71.45 7 0 22 2539.0 -26.18 97.58
 100.00 1 29 26 4055.19 4.02 159.14 284.91 60.35 2 37 2 3455.2 .04 152.61
 110.00 8 0 42 2786.56 -30.25 81.13 299.68 73.27 8 47 9 2186.6 -32.24 72.48
 110.00 1 53 17 3980.39 9.75 149.98 281.41 57.07 2 59 37 3380.4 5.34 143.66

DIFFERENTIAL CORRECTIONS
 TOE 3.0517 TRA 6.4922 TC3-1.0601 BAU 1.0488 SGT 5505.5 SGR 392.1 SG3 104.8 ST 2488.2 SR 385.5 SS 594.8
 ROE .5778 RRA .1018 RC3 .0009 FAU .00501 RRT .5271 RRF .5121 RTF .9664 CRT .8491 CRS -.8062 CST -.9969
 FDE .6185 FRA 1.5437 FC3 -.0586 BSP 18387 SGB 5519.4 R23 .0010 R13 .9664 LSA 2578.8 MSA 208.1 SSA 10.7
 BOE 3.1059 BRA 6.4930 BC3 1.0601 FSP -357 SG1 5509.4 SG2 332.9 THA 2.16 EL1 2509.8 EL2 201.9 ALF 7.54

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 25.870 GAL 16.17 AZL 87.17 MCA 312.84 SMA 117.04 ECC .37259 INC 2.8291 V1 30.266
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.311 GAP 21.47 A7P 88.08 TAL 147.80 TAP 100.63 RCA 73.43 APO 160.65 V2 35.014
 RC 209.146 GL 7.64 GP -1.90 ZAL 37.25 ZAP 174.49 ETS 202.59 ZAE 130.45 ETE 182.18 ZAC 127.31 ETC 166.00 CLP 174.83

PLANETOCENTRIC CONIC
 C3 85.178 VML 9.229 CLA 24.89 RAL 44.56 RAD 6569.7 VEL 14.371 PTH 2.61 VHP 13.588 DPA 8.78 RAP 32.85 ECC 2.4018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 20 3488.12 -20.77 130.14 300.39 70.31 5 34 28 2888.1 -23.27 122.36
 90.00 0 32 25 4295.36 3.11 177.30 289.78 61.84 1 44 0 3695.4 -.68 170.67
 100.00 6 20 6 3153.58 -23.55 106.58 301.44 71.04 7 12 39 2553.6 -25.92 98.59
 100.00 1 31 20 4105.13 5.70 161.90 288.35 60.61 2 39 45 3505.1 1.74 155.35
 110.00 8 11 7 2806.25 -29.86 82.53 303.77 72.53 8 57 53 2206.2 -31.96 73.94
 110.00 1 56 49 4025.23 11.40 152.40 284.90 57.55 3 3 54 3425.2 7.03 146.02

DIFFERENTIAL CORRECTIONS
 TOE 3.1275 TRA 7.1146 TC3 -.8643 BAU .9842 SGT 5479.2 SGR 384.1 SG3 102.2 ST 2430.2 SR 374.2 SS 599.8
 ROE .6012 RRA .1324 RC3 .0003 FAU .00359 RRT .5535 RRF .5396 RTF .9707 CRT .8405 CRS -.8010 CST -.9975
 FDE .6216 FRA 1.6306 FC3 -.0365 BSP 18289 SGB 5492.7 R23 .0005 R13 .9707 LSA 2522.5 MSA 206.4 SSA 10.1
 BOE 3.1848 BRA 7.1158 BC3 .8643 FSP -346 SG1 5483.4 SG2 319.6 THA 2.23 EL1 2450.6 EL2 201.1 ALF 7.43

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC
 RL 147.20 LAL -.00 LOL 85.86 VL 25.837 GAL 17.82 AZL 87.23 MCA 316.04 SMA 116.86 ECC .39341 INC 2.7677 V1 30.266
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.300 GAP 22.79 A7P 88.01 TAL 146.74 TAP 102.78 RCA 70.89 APO 162.84 V2 35.027
 RC 210.800 GL 6.87 GP -1.87 ZAL 35.87 ZAP 173.48 ETS 199.22 ZAE 130.19 ETE 182.16 ZAC 129.35 ETC 165.65 CLP 173.76

PLANETOCENTRIC CONIC
 C3 98.680 VML 9.934 CLA 24.51 RAL 46.13 RAD 6569.9 VEL 14.833 PTH 2.68 VHP 14.394 DPA 9.59 RAP 34.85 ECC 2.6240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 49 11 3497.81 -20.55 130.77 304.28 70.08 5 47 29 2897.8 -23.08 123.01
 90.00 0 32 8 4350.38 4.87 180.39 293.02 62.07 1 44 38 3750.4 1.10 173.74
 100.00 6 31 43 3167.21 -23.25 107.48 305.31 70.66 7 24 30 2567.2 -25.67 99.52
 100.00 1 32 17 4156.22 7.39 164.75 291.65 60.95 2 41 33 3556.2 3.46 158.16
 110.00 8 21 5 2825.06 -29.47 83.85 307.67 71.84 9 8 10 2225.1 -31.66 75.33
 110.00 1 59 24 4071.14 13.06 154.92 288.26 58.13 3 7 15 3471.1 8.75 148.47

DIFFERENTIAL CORRECTIONS
 TOE 3.2106 TRA 7.7880 TC3 -.6870 BAU .9063 SGT 5446.3 SGR 375.2 SG3 99.6 ST 2371.5 SR 361.6 SS 607.3
 ROE .6245 RRA .1655 RC3 .0005 FAU .00210 RRT .5792 RRF .5663 RTF .9748 CRT .8322 CRS -.7961 CST -.9979
 FDE .6268 FRA 1.7260 FC3 -.0185 BSP 18280 SGB 5459.2 R23 -.0001 R13 .9748 LSA 2466.2 MSA 203.4 SSA 9.6
 BOE 3.2708 BRA 7.7897 BC3 .6870 FSP -338 SG1 5450.7 SG2 305.6 THA 2.29 EL1 2390.7 EL2 198.9 ALF 7.28

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 18 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 608.559

RL 147.20 LAL -0.00 LOL 85.86 VL 25.805 GAL 19.67 AZL 87.30 MCA 319.25 SMA 116.69 ECC .41697 INC 2.6987 V1 30.266
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.290 GAP 24.30 AZP 87.96 TAL 145.85 TAP 105.10 RCA 68.04 APO 165.35 V2 35.040
 RC 212.427 GL 6.12 GP -1.85 ZAL 34.66 ZAP 172.38 ETS 196.63 ZAE 129.05 ETE 182.15 ZAC 131.30 ETC 165.26 CLP 172.61

PLANETOCENTRIC CONIC

C3 115.123 VHL 10.730 DLA 24.09 RAL 47.53 RAD 6570.2 VEL 15.377 PTH 2.75 VHP 15.309 DPA 10.37 RAP 36.78 ECC 2.8946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 30 3506.52 -20.34 131.33 307.96 69.87 5 59 56 2906.5 -22.90 123.59
 90.00 0 30 56 4406.05 6.64 183.52 296.09 62.41 1 44 22 3806.1 2.89 176.85
 100.00 6 42 52 3179.69 -22.96 108.30 308.98 70.32 7 35 51 2579.7 -25.44 100.37
 100.00 1 32 15 4208.11 9.10 167.66 294.77 61.40 2 42 23 3608.1 5.21 161.03
 110.00 8 30 33 2842.76 -29.09 85.09 311.36 71.20 9 17 56 2242.8 -31.37 76.63
 110.00 2 1 3 4117.80 14.72 157.51 291.46 58.80 3 9 40 3517.8 10.48 150.98

DIFFERENTIAL CORRECTIONS

TOE 3.3089 TRA 8.5256 TC3 -.5255 BAU .8087
 RDE .6478 RRA .2012 RC3 .0013 FAU .00043
 FDE .6360 FRA 1.8328 FC3 -.0032 BSP 18239
 BOE 3.3717 BRA 8.5280 BC3 .5255 FSP -329

MID-COURSE EXECUTION ACCURACY

SGT 5409.7 SGR 365.4 SG3 97.2
 RRT .6047 RRF .5929 RTF .9787
 SGB 5422.0 R23 -.0007 R13 .9787
 SGI 5414.2 SG2 290.8 THA 2.35

ORBIT DETERMINATION ACCURACY

ST 2315.5 SR 347.7 SS 618.7
 CRT .8248 CRS -.7922 CST -.9984
 LSA 2413.6 MSA 199.0 SSA 9.0
 EL1 2333.3 EL2 195.1 ALF 7.11

LAUNCH DATE DEC 18 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 610.328

RL 147.20 LAL -0.00 LOL 85.86 VL 25.775 GAL 21.74 AZL 87.38 MCA 322.45 SMA 116.54 ECC .44371 INC 2.6200 V1 30.266
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.282 GAP 26.04 AZP 87.92 TAL 145.16 TAP 107.61 RCA 64.83 APO 168.25 V2 35.053
 RC 214.027 GL 5.40 GP -1.83 ZAL 33.62 ZAP 171.17 ETS 194.59 ZAE 129.41 ETE 182.13 ZAC 133.16 ETC 164.84 CLP 171.36

PLANETOCENTRIC CONIC

C3 135.330 VHL 11.633 DLA 23.65 RAL 48.72 RAD 6570.5 VEL 16.021 PTH 2.82 VHP 16.355 DPA 11.09 RAP 38.63 ECC 3.2272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 12 3513.96 -20.17 131.80 311.40 69.69 6 11 46 2914.0 -22.75 124.08
 90.00 0 28 46 4462.04 8.39 186.71 298.96 62.86 1 43 8 3862.0 4.69 179.98
 100.00 6 53 27 3190.76 -22.71 109.02 312.40 70.02 7 46 37 2590.8 -25.22 101.13
 100.00 1 31 12 4260.48 10.79 170.62 297.69 61.95 2 42 13 3660.5 6.95 163.93
 110.00 8 39 28 2859.07 -28.72 86.22 314.79 70.62 9 27 7 2259.1 -31.09 77.82
 110.00 2 1 40 4164.93 16.37 160.17 294.48 59.56 3 11 5 3564.9 12.20 153.54

DIFFERENTIAL CORRECTIONS

TOE 3.4263 TRA 9.3363 TC3 -.3794 BAU .6864
 RDE .6712 RRA .2397 RC3 .0025 FAU-.00151
 FDE .6497 FRA 1.9532 FC3 .0097 BSP 18184
 BOE 3.4915 BRA 9.3393 BC3 .3794 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5368.9 SGR 354.9 SG3 94.9
 RRT .6297 RRF .6191 RTF .9824
 SGB 5380.6 R23 -.0014 R13 .9824
 SGI 5373.5 SG2 275.4 THA 2.39

ORBIT DETERMINATION ACCURACY

ST 2261.9 SR 332.8 SS 634.5
 CRT .8183 CRS -.7893 CST -.9987
 LSA 2364.8 MSA 193.3 SSA 8.4
 EL1 2278.4 EL2 189.9 ALF 6.91

LAUNCH DATE DEC 18 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 611.135

RL 147.20 LAL -0.00 LOL 85.86 VL 25.748 GAL 24.08 AZL 87.47 MCA 325.66 SMA 116.39 ECC .47418 INC 2.5288 V1 30.266
 RP 108.07 LAP -1.43 LOP 51.55 VP 36.275 GAP 28.03 AZP 87.91 TAL 144.72 TAP 110.38 RCA 61.20 APO 171.59 V2 35.067
 RC 215.599 GL 4.70 GP -1.81 ZAL 32.80 ZAP 169.83 ETS 192.93 ZAE 128.85 ETE 182.10 ZAC 134.91 ETC 164.39 CLP 169.99

PLANETOCENTRIC CONIC

C3 160.412 VHL 12.665 DLA 23.16 RAL 49.70 RAD 6570.7 VEL 16.785 PTH 2.90 VHP 17.558 DPA 11.76 RAP 40.38 ECC 3.6400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 15 3519.76 -20.03 132.17 314.56 69.56 6 22 54 2919.8 -22.64 124.47
 90.00 0 25 32 4518.10 10.12 189.92 301.60 63.41 1 40 50 3918.1 6.47 183.14
 100.00 7 3 24 3200.04 -22.49 109.63 315.54 69.77 7 56 44 2600.0 -25.04 101.76
 100.00 1 29 4 4313.05 12.45 173.64 300.39 62.60 2 40 57 3713.1 8.69 166.88
 110.00 8 47 45 2873.60 -28.39 87.22 317.92 70.11 9 35 38 2273.6 -30.83 78.87
 110.00 2 1 13 4212.25 17.98 162.90 297.28 60.42 3 11 25 3612.3 13.90 156.15

DIFFERENTIAL CORRECTIONS

TOE 3.5706 TRA10.2337 TC3 -.2474 BAU .5306
 RDE .6950 RRA .2808 RC3 .0040 FAU-.00386
 FDE .6695 FRA 2.0904 FC3 .0208 BSP 18027
 BOE 3.6377 BRA10.2375 BC3 .2474 FSP -313

MID-COURSE EXECUTION ACCURACY

SGT 5325.1 SGR 343.6 SG3 92.8
 RRT .6543 RRF .6450 RTF .9858
 SGB 5336.2 R23 -.0022 R13 .9858
 SGI 5329.9 SG2 259.6 THA 2.42

ORBIT DETERMINATION ACCURACY

ST 2211.7 SR 317.1 SS 655.9
 CRT .8134 CRS -.7878 CST -.9990
 LSA 2321.1 MSA 186.2 SSA 7.9
 EL1 2226.8 EL2 183.3 ALF 6.70

LAUNCH DATE DEC 18 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 610.687

RL 147.20 LAL -0.00 LOL 85.86 VL 25.724 GAL 26.76 AZL 87.58 MCA 328.88 SMA 116.27 ECC .50902 INC 2.4211 V1 30.266
 RP 108.03 LAP -1.25 LOP 54.76 VP 36.271 GAP 30.35 AZP 87.93 TAL 144.58 TAP 113.45 RCA 57.08 APO 175.45 V2 35.080
 RC 217.144 GL 4.02 GP -1.79 ZAL 32.20 ZAP 168.34 ETS 191.54 ZAE 128.15 ETE 182.07 ZAC 136.51 ETC 163.92 CLP 168.47

PLANETOCENTRIC CONIC

C3 191.882 VHL 13.852 DLA 22.64 RAL 50.44 RAD 6571.0 VEL 17.698 PTH 2.98 VHP 18.951 DPA 12.37 RAP 42.00 ECC 4.1579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 33 3523.42 -19.94 132.40 317.39 69.47 6 33 16 2923.4 -22.56 124.71
 90.00 0 21 6 4574.06 11.80 193.17 303.97 64.07 1 37 20 3974.1 8.22 186.32
 100.00 7 12 40 3207.07 -22.32 110.08 318.35 69.59 8 6 7 2607.1 -24.90 102.23
 100.00 1 25 41 4365.64 14.08 176.70 302.82 63.36 2 38 26 3765.6 10.39 169.85
 110.00 8 55 19 2885.91 -28.10 88.06 320.72 69.69 9 43 25 2285.9 -30.60 79.76
 110.00 1 59 31 4259.56 19.54 165.67 299.83 61.38 3 10 30 3659.6 15.57 158.80

DIFFERENTIAL CORRECTIONS

TOE 3.7408 TRA11.2210 TC3 -.1310 BAU .3365
 RDE .7191 RRA .3240 RC3 .0057 FAU-.00669
 FDE .6951 FRA 2.2459 FC3 .0302 BSP 17953
 BOE 3.8093 BRA11.2257 BC3 .1312 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 5273.9 SGR 331.4 SG3 90.7
 RRT .6778 RRF .6695 RTF .9888
 SGB 5284.3 R23 -.0029 R13 .9888
 SGI 5278.7 SG2 243.4 THA 2.44

ORBIT DETERMINATION ACCURACY

ST 2161.1 SR 300.6 SS 682.7
 CRT .8096 CRS -.7872 CST -.9992
 LSA 2279.2 MSA 177.9 SSA 7.3
 EL1 2174.8 EL2 175.4 ALF 6.47

LAUNCH DATE DEC 19 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 27 1966

HELIOCENTRIC CONIC

DISTANCE 196.216

RL 147.19 LAL -1.00 LOL 86.88 VL 28.456 GAL -11.59 AZL 86.67 HCA 90.46 SMA 133.57 ECC .22431 INC 3.3324 V1 30.269
 RP 107.70 LAP 3.33 LOP 177.35 VP 38.353 GAP -6.62 AZP 90.03 TAL 231.97 TAP 322.44 RCA 103.61 APO 163.53 V2 35.186
 RC 59.152 GL 14.89 GP 4.32 ZAL 152.32 ZAP 32.59 ETS 351.97 ZAE 155.10 ETE 348.01 ZAC 59.48 ETC 164.79 CLP -32.34

PLANETOCENTRIC CONIC

C3 39.740 VHL 6.304 CLA -7.14 RAL 289.93 RAD 6568.5 VEL 12.693 PTH 2.31 VHP 5.454 CPA -12.08 RAP 326.93 ECC 1.6540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 51 2161.52 -18.25 38.15 161.10 112.04 2 21 52 1561.5 -15.10 30.89
 90.00 11 56 35 5251.96 26.77 236.92 165.89 80.40 13 24 7 4652.0 25.17 228.62
 100.00 3 3 46 1910.13 -19.50 19.11 160.55 113.11 3 35 36 1310.1 -16.21 11.87
 100.00 13 21 21 4978.57 28.10 216.55 165.62 79.37 14 44 20 4378.6 26.35 208.18
 110.00 4 4 12 1720.92 -22.85 3.11 158.90 116.15 4 32 53 1120.9 -19.15 355.93
 110.00 14 37 25 4740.55 31.70 197.59 164.73 76.49 15 56 25 4140.6 29.52 189.06

DIFFERENTIAL CORRECTIONS

TDE -.1526 TRA -.3488 TC3 .2783 BAU .1495
 RDE -.4192 RRA .0800 RC3 -.0422 FAU .07273
 FDE .4874 FRA -1.0531 FC3 -1.5843 BSP 1044
 BDE .4461 BRA .3578 BC3 .2815 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 494.3 SGR 391.6 SG3 195.4
 RRT .0556 RRF -.1502 RTF -.4061
 SGB 630.6 R23 -.0902 R13 -.4161
 SG1 495.6 SG2 390.0 THA 6.65

ORBIT DETERMINATION ACCURACY

ST 168.9 SR 381.6 SS 250.9
 CRT .7868 CRS .8613 CST .3818
 LSA 459.6 MSA 159.3 SSA 22.9
 EL1 405.6 EL2 98.1 ALF 69.55

LAUNCH DATE DEC 19 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 204.955

RL 147.19 LAL -1.00 LOL 86.88 VL 28.530 GAL -11.49 AZL 86.70 HCA 93.70 SMA 134.14 ECC .22082 INC 3.2974 V1 30.269
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.398 GAP -5.85 AZP 90.21 TAL 232.94 TAP 326.63 RCA 104.52 APO 163.76 V2 35.176
 RC 61.127 GL 14.93 GP 4.64 ZAL 152.80 ZAP 36.65 ETS 352.46 ZAE 156.84 ETE 348.68 ZAC 58.61 ETC 164.87 CLP -36.39

PLANETOCENTRIC CONIC

C3 38.942 VHL 6.240 CLA -7.18 RAL 289.35 RAD 6568.5 VEL 12.661 PTH 2.30 VHP 5.107 CPA -12.03 RAP 326.03 ECC 1.6409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 50 2155.07 -18.08 37.75 160.17 112.17 2 19 45 1555.1 -14.92 30.50
 90.00 11 53 56 5248.15 26.72 236.65 164.94 80.27 13 21 25 4648.2 25.11 228.36
 100.00 3 1 44 1903.75 -19.33 18.72 159.62 113.26 3 33 28 1303.8 -16.02 11.49
 100.00 13 18 43 4974.70 28.06 216.27 164.67 79.23 14 41 38 4374.7 26.28 207.91
 110.00 4 2 7 1714.69 -22.66 2.72 157.97 116.31 4 30 42 1114.7 -18.94 355.56
 110.00 14 34 50 4736.53 31.64 197.29 163.77 76.33 15 53 46 4136.5 29.44 188.77

DIFFERENTIAL CORRECTIONS

TDE -.1446 TRA -.3587 TC3 .2642 BAU .1387
 RDE -.4156 RRA .0836 RC3 -.0350 FAU .08126
 FDE .5475 FRA -1.2067 FC3 -1.8064 BSP 958
 BDE .4400 BRA .3683 BC3 .2665 FSP -623

MID-COURSE EXECUTION ACCURACY

SGT 486.3 SGR 391.7 SG3 221.7
 RRT .0555 RRF -.1789 RTF -.3521
 SGB 624.5 R23 -.1236 R13 -.3663
 SG1 487.7 SG2 390.0 THA 7.15

ORBIT DETERMINATION ACCURACY

ST 166.2 SR 382.2 SS 268.2
 CRT .7605 CRS .8585 CST .3368
 LSA 465.9 MSA 167.7 SSA 22.9
 EL1 404.1 EL2 102.1 ALF 70.40

LAUNCH DATE DEC 19 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 211.657

RL 147.19 LAL -1.00 LOL 86.88 VL 28.591 GAL -11.40 AZL 86.74 HCA 96.93 SMA 134.61 ECC .21781 INC 3.2622 V1 30.269
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.434 GAP -5.12 AZP 90.39 TAL 233.74 TAP 330.66 RCA 105.29 APO 163.93 V2 35.166
 RC 63.151 GL 14.95 GP 4.98 ZAL 153.19 ZAP 40.93 ETS 352.89 ZAE 158.91 ETE 349.40 ZAC 57.51 ETC 164.95 CLP -40.68

PLANETOCENTRIC CONIC

C3 38.215 VHL 6.182 CLA -7.23 RAL 288.87 RAD 6568.5 VEL 12.633 PTH 2.29 VHP 4.794 CPA -12.03 RAP 324.91 ECC 1.6289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 18 2148.83 -17.92 37.36 159.37 112.30 2 18 7 1548.8 -14.74 30.13
 90.00 11 51 41 5244.87 26.68 236.42 164.13 80.16 13 19 6 4644.9 25.05 228.13
 100.00 3 0 11 1897.59 -19.16 18.33 158.82 113.39 3 31 48 1297.6 -15.84 11.12
 100.00 13 16 30 4971.34 28.01 216.03 163.85 79.11 14 39 21 4371.3 26.22 207.68
 110.00 4 0 31 1708.69 -22.48 2.35 157.17 116.46 4 28 59 1108.7 -18.74 355.21
 110.00 14 32 39 4733.00 31.58 197.03 162.95 76.18 15 51 32 4133.0 29.36 188.53

DIFFERENTIAL CORRECTIONS

TDE -.1333 TRA -.3738 TC3 .2431 BAU .1249
 RDE -.4115 RRA .0884 RC3 -.0261 FAU .09067
 FDE .6094 FRA -1.3740 FC3 -2.0540 BSP 867
 BDE .4325 BRA .3841 BC3 .2445 FSP -720

MID-COURSE EXECUTION ACCURACY

SGT 477.0 SGR 391.5 SG3 250.6
 RRT .0460 RRF -.2109 RTF -.2782
 SGB 617.2 R23 -.1716 R13 -.2954
 SG1 478.1 SG2 390.3 THA 6.52

ORBIT DETERMINATION ACCURACY

ST 162.2 SR 382.2 SS 284.9
 CRT .7179 CRS .8554 CST .2700
 LSA 471.2 MSA 176.2 SSA 22.8
 EL1 401.0 EL2 107.6 ALF 71.69

LAUNCH DATE DEC 19 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 218.323

RL 147.19 LAL -1.00 LOL 86.88 VL 28.639 GAL -11.31 AZL 86.77 HCA 100.16 SMA 134.99 ECC .21519 INC 3.2266 V1 30.269
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.460 GAP -4.43 AZP 90.57 TAL 234.38 TAP 334.53 RCA 105.94 APO 164.04 V2 35.155
 RC 65.219 GL 14.95 GP 5.34 ZAL 153.50 ZAP 45.44 ETS 353.30 ZAE 161.31 ETE 350.23 ZAC 56.19 ETC 165.03 CLP -45.19

PLANETOCENTRIC CONIC

C3 37.538 VHL 6.127 CLA -7.28 RAL 288.50 RAD 6568.5 VEL 12.606 PTH 2.29 VHP 4.514 CPA -12.07 RAP 323.55 ECC 1.6178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 12 2142.73 -17.76 36.98 158.69 112.42 2 16 55 1542.7 -14.57 29.76
 90.00 11 49 49 5241.94 26.65 236.21 163.44 80.06 13 17 11 4641.9 25.01 227.93
 100.00 2 59 4 1891.57 -19.00 17.96 158.14 113.52 3 30 35 1291.6 -15.66 10.76
 100.00 13 14 39 4968.33 27.97 215.81 163.17 79.01 14 37 28 4368.3 26.17 207.47
 110.00 3 59 20 1702.85 -22.30 1.99 156.49 116.60 4 27 43 1102.9 -18.55 354.87
 110.00 14 30 52 4729.81 31.53 196.80 162.26 76.06 15 49 42 4129.8 29.29 188.31

DIFFERENTIAL CORRECTIONS

TDE -.1209 TRA -.3970 TC3 .2118 BAU .1066
 RDE -.4070 RRA .0942 RC3 -.0156 FAU .10059
 FDE .6780 FRA -1.5468 FC3 -2.3198 BSP 725
 BDE .4246 BRA .4080 BC3 .2124 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 469.3 SGR 391.3 SG3 281.4
 RRT .0264 RRF -.2484 RTF -.1726
 SGB 611.0 R23 -.2332 R13 -.1869
 SG1 469.7 SG2 390.8 THA 4.11

ORBIT DETERMINATION ACCURACY

ST 159.5 SR 381.5 SS 302.3
 CRT .6578 CRS .8553 CST .1878
 LSA 477.2 MSA 184.8 SSA 22.7
 EL1 397.1 EL2 115.4 ALF 73.16

LAUNCH DATE DEC 19 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 224.952

RL 147.19 LAL -0.00 LOL 86.88 VL 28.676 GAL -11.22 AZL 86.81 MCA 103.38 SMA 135.28 ECC .21289 INC 3.1902 V1 30.269
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.477 GAP -3.77 AZP 90.74 TAL 234.86 TAP 338.24 RCA 106.48 APO 164.09 V2 35.143
 RC 67.327 GL 14.93 GP 5.73 ZAL 153.75 ZAP 50.16 ETS 353.71 ZAE 164.03 ETE 351.25 ZAC 54.64 ETC 165.11 CLP -49.92

PLANETOCENTRIC CONIC

C3 36.898 VHL 6.074 DLA -7.33 RAL 288.23 RAD 6568.4 VEL 12.580 PTH 2.28 VHP 4.267 DPA -12.14 RAP 321.97 ECC 1.6072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 32 2136.70 -17.61 36.61 158.13 112.54 2 16 8 1536.7 -14.40 29.40
 90.00 11 48 20 5239.27 26.62 236.02 162.87 79.97 13 15 39 4639.3 24.96 227.74
 100.00 2 58 21 1885.63 -18.84 17.60 157.57 113.65 3 29 47 1285.6 -15.48 10.41
 100.00 13 13 11 4965.58 27.94 215.62 162.59 78.91 14 35 57 4365.6 26.12 207.28
 110.00 3 58 34 1697.10 -22.13 1.64 155.92 116.75 4 26 51 1097.1 -18.36 354.53
 110.00 14 29 28 4726.87 31.48 196.58 161.68 75.94 15 48 15 4126.9 29.23 188.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1049 TRA -.4267 TC3 .1719 BAU .0848 SGT 466.9 SGR 391.1 SG3 314.1 ST 157.0 SR 380.1 SS 318.2
 RDE -.4019 RRA .1011 RC3 -.0033 FAU .11111 RRT -.0126 RRF -.2894 RTF -.0380 CRT .5697 CRS .8546 CST .0749
 FDE .7447 FRA -1.7266 FC3 -2.6069 BSP 588 SGB 609.1 R23 .2909 R13 .0294 LSA 482.2 MSA 193.4 SSA 22.6
 BDE .4153 BRA .4385 BC3 .1719 FSP -933 SG1 467.0 SG2 391.0 THA 177.97 EL1 391.8 EL2 125.2 ALF 75.21

LAUNCH DATE DEC 19 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 231.543

RL 147.19 LAL -0.00 LOL 86.88 VL 28.703 GAL -11.13 AZL 86.85 MCA 106.61 SMA 135.50 ECC .21085 INC 3.1528 V1 30.269
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.487 GAP -3.14 AZP 90.90 TAL 235.19 TAP 341.80 RCA 106.93 APO 164.07 V2 35.132
 RC 69.470 GL 14.90 GP 6.13 ZAL 153.92 ZAP 55.10 ETS 354.12 ZAE 167.03 ETE 352.64 ZAC 52.88 ETC 165.20 CLP -54.87

PLANETOCENTRIC CONIC

C3 36.279 VHL 6.023 DLA -7.39 RAL 288.05 RAD 6568.4 VEL 12.556 PTH 2.28 VHP 4.053 DPA -12.24 RAP 320.18 ECC 1.5971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 13 2130.68 -17.45 36.24 157.66 112.66 2 15 45 1530.7 -14.23 29.04
 90.00 11 47 12 5236.75 26.59 235.84 162.39 79.88 13 14 28 4636.7 24.92 227.57
 100.00 2 58 2 1879.70 -18.68 17.23 157.10 113.77 3 29 22 1279.7 -15.31 10.06
 100.00 13 12 5 4962.96 27.90 215.43 162.11 78.82 14 34 48 4363.0 26.08 207.10
 110.00 3 58 11 1691.37 -21.95 1.29 155.45 116.89 4 26 23 1091.4 -18.17 354.20
 110.00 14 28 25 4724.05 31.43 196.37 161.20 75.82 15 47 9 4124.1 29.17 187.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0876 TRA -.4652 TC3 .1203 BAU .0586 SGT 476.5 SGR 391.2 SG3 347.2 ST 157.7 SR 378.2 SS 334.1
 RDE -.3962 RRA .1087 RC3 .0106 FAU .12162 RRT -.0713 RRF -.3351 RTF .1266 CRT .4562 CRS .8567 CST -.0546
 FDE .8144 FRA -1.9008 FC3 -2.9023 BSP 459 SGB 616.5 R23 .3060 R13 -.1710 LSA 488.2 MSA 201.7 SSA 22.4
 BDE .4057 BRA .4777 BC3 .1208 FSP -1041 SG1 478.9 SG2 388.3 THA 170.12 EL1 386.0 EL2 137.5 ALF 77.63

LAUNCH DATE DEC 19 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 238.095

RL 147.19 LAL -0.00 LOL 86.88 VL 28.721 GAL -11.04 AZL 86.89 MCA 109.83 SMA 135.64 ECC .20901 INC 3.1142 V1 30.269
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.489 GAP -2.54 AZP 91.06 TAL 235.38 TAP 345.21 RCA 107.29 APO 163.99 V2 35.120
 RC 71.643 GL 14.86 GP 6.55 ZAL 154.02 ZAP 60.21 ETS 354.55 ZAE 170.29 ETE 354.82 ZAC 50.95 ETC 165.29 CLP -60.00

PLANETOCENTRIC CONIC

C3 35.673 VHL 5.973 DLA -7.44 RAL 287.96 RAD 6568.4 VEL 12.532 PTH 2.27 VHP 3.870 DPA -12.36 RAP 318.20 ECC 1.5871
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 20 2124.61 -17.29 35.86 157.28 112.78 2 15 44 1524.6 -14.05 28.68
 90.00 11 46 24 5234.30 26.56 235.67 162.01 79.80 13 13 38 4634.3 24.88 227.40
 100.00 2 58 6 1873.72 -18.51 16.86 156.72 113.90 3 29 19 1273.7 -15.13 9.71
 100.00 13 11 19 4960.42 27.87 215.25 161.73 78.73 14 33 59 4360.4 26.03 206.93
 110.00 3 58 11 1685.60 -21.77 .93 155.07 117.03 4 26 16 1085.6 -17.97 353.86
 110.00 14 27 43 4721.31 31.39 196.17 160.81 75.71 15 46 24 4121.3 29.11 187.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0670 TRA -.5105 TC3 .0589 BAU .0307 SGT 503.0 SGR 391.8 SG3 380.5 ST 161.5 SR 375.3 SS 347.5
 RDE -.3896 RRA .1172 RC3 .0263 FAU .13214 RRT -.1510 RRF -.3833 RTF .3005 CRT .3132 CRS .8578 CST -.2070
 FDE .8760 FRA -2.0701 FC3 -3.2069 BSP 479 SGB 637.6 R23 .2741 R13 -.3634 LSA 493.3 MSA 209.5 SSA 22.2
 BDE .3954 BRA .5238 BC3 .0645 FSP -1159 SG1 511.1 SG2 381.2 THA 164.55 EL1 379.4 EL2 151.8 ALF 80.84

LAUNCH DATE DEC 19 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 244.611

RL 147.19 LAL -0.00 LOL 86.88 VL 28.730 GAL -10.95 AZL 86.93 MCA 113.05 SMA 135.71 ECC .20735 INC 3.0741 V1 30.269
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.485 GAP -1.97 AZP 91.20 TAL 235.43 TAP 348.49 RCA 107.57 APO 163.85 V2 35.108
 RC 73.845 GL 14.80 GP 6.97 ZAL 154.06 ZAP 65.46 ETS 355.01 ZAE 173.74 ETE 359.25 ZAC 48.87 ETC 165.39 CLP -65.27

PLANETOCENTRIC CONIC

C3 35.069 VHL 5.922 DLA -7.50 RAL 287.95 RAD 6568.4 VEL 12.508 PTH 2.26 VHP 3.718 DPA -12.49 RAP 316.07 ECC 1.5772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 46 2118.42 -17.12 35.48 156.98 112.90 2 16 4 1518.4 -13.88 28.31
 90.00 11 45 55 5231.87 26.53 235.50 161.71 79.72 13 13 7 4631.9 24.84 227.24
 100.00 2 58 30 1867.63 -18.34 16.49 156.43 114.02 3 29 38 1267.6 -14.94 9.35
 100.00 13 10 52 4957.89 27.84 215.07 161.43 78.64 14 33 29 4357.9 25.99 206.75
 110.00 3 58 31 1679.72 -21.59 .57 154.77 117.17 4 26 31 1079.7 -17.77 353.52
 110.00 14 27 20 4718.57 31.34 195.97 160.50 75.60 15 45 59 4118.6 29.05 187.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0452 TRA -.5642 TC3 -.0145 BAU .0214 SGT 552.6 SGR 393.2 SG3 411.6 ST 170.9 SR 371.8 SS 360.1
 RDE -.3824 RRA .1260 RC3 .0432 FAU .14180 RRT -.2411 RRF -.4342 RTF .4646 CRT .1588 CRS .8615 CST -.3536
 FDE .9355 FRA -2.2176 FC3 -3.5004 BSP 690 SGB 678.2 R23 .2317 R13 -.5219 LSA 499.6 MSA 216.7 SSA 22.0
 BDE .3851 BRA .5781 BC3 .0456 FSP -1263 SG1 567.3 SG2 371.8 THA 162.60 EL1 373.1 EL2 168.2 ALF 84.76

LAUNCH DATE DEC 19 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 251.088

RL 147.19 LAL -0.00 LOL 86.88 VL 28.731 GAL -10.86 AZL 86.97 HCA 116.27 SMA 135.72 ECC .20582 INC 3.0320 V1 30.269
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.474 GAP -1.43 AZP 91.34 TAL 235.36 TAP 351.63 RCA 107.79 APO 163.65 V2 35.095
 RC 76.070 GL 14.73 GP 7.40 ZAL 154.05 ZAP 70.80 ETS 355.51 ZAE 177.22 ETE 14.79 ZAC 46.70 ETC 165.50 CLP -70.63

PLANETOCENTRIC CONIC

C3 34.463 VHL 5.870 DLA -7.57 RAL 288.03 RAD 6568.4 VEL 12.483 PTH 2.26 VHP 3.597 DPA -12.61 RAP 313.85 ECC 1.5672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 32 2112.03 -16.96 35.09 156.76 113.02 2 16 44 1512.0 -13.69 27.93
 90.00 11 45 43 5229.45 26.50 235.33 161.48 79.64 13 12 53 4629.4 24.80 227.07
 100.00 2 59 15 1861.34 -18.17 16.10 156.20 114.15 3 30 16 1261.3 -14.75 8.97
 100.00 13 10 42 4955.37 27.80 214.89 161.19 78.55 14 33 18 4355.4 25.94 206.58
 110.00 3 59 11 1673.66 -21.40 .21 154.55 117.31 4 27 5 1073.7 -17.57 353.17
 110.00 14 27 15 4715.82 31.30 195.77 160.27 75.49 15 45 51 4115.8 28.99 187.33

DIFFERENTIAL CORRECTIONS

TDE -.0212 TRA -.6239 TC3 -.0975 BAU .0532
 RDE -.3741 RRA .1350 RC3 .0617 FAU .15060
 FDE .9797 FRA-2.3454 FC3-3.7833 BSP 1020
 BDE .3747 BRA .6384 BC3 .1154 FSP -1369

MID-COURSE EXECUTION ACCURACY

SGT 625.2 SGR 395.2 SG3 440.4
 RRT -.3335 RRF -.4853 RTF .5985
 SGB 739.7 R23 .1943 R13 -.6421
 SG1 645.7 SG2 360.8 TMA 162.46

ORBIT DETERMINATION ACCURACY

ST 185.5 SR 367.3 SS 369.3
 CRT .0027 CRS .8639 CST -.4917
 LSA 505.4 MSA 223.2 SSA 21.8
 EL1 367.3 EL2 185.5 ALF 89.89

LAUNCH DATE DEC 19 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 257.530

RL 147.19 LAL -0.00 LOL 86.88 VL 28.725 GAL -10.76 AZL 87.01 HCA 119.49 SMA 135.67 ECC .20441 INC 2.9875 V1 30.269
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.458 GAP -.91 AZP 91.47 TAL 235.17 TAP 354.66 RCA 107.94 APO 163.41 V2 35.082
 RC 78.316 GL 14.64 GP 7.82 ZAL 153.98 ZAP 76.17 ETS 356.06 ZAE 178.21 ETE 123.76 ZAC 44.49 ETC 165.63 CLP -76.03

PLANETOCENTRIC CONIC

C3 33.847 VHL 5.818 DLA -7.63 RAL 288.18 RAD 6568.3 VEL 12.459 PTH 2.25 VHP 3.504 DPA -12.71 RAP 311.59 ECC 1.5570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 39 2105.37 -16.78 34.68 156.60 113.15 2 17 44 1505.4 -13.50 27.54
 90.00 11 45 48 5227.01 26.47 235.15 161.31 79.56 13 12 55 4627.0 24.76 226.90
 100.00 3 0 19 1854.79 -17.99 15.70 156.04 114.29 3 31 14 1254.8 -14.56 8.59
 100.00 13 10 49 4952.82 27.77 214.71 161.03 78.46 14 33 22 4352.8 25.89 206.41
 110.00 4 0 11 1667.35 -21.20 359.82 154.39 117.46 4 27 58 1067.3 -17.36 352.81
 110.00 14 27 26 4713.03 31.25 195.57 160.10 75.38 15 45 59 4113.0 28.92 187.14

DIFFERENTIAL CORRECTIONS

TDE .0032 TRA -.6898 TC3 -.1912 BAU .0939
 RDE -.3649 RRA .1438 RC3 .0809 FAU .15768
 FDE 1.0170 FRA-2.4360 FC3-4.0332 BSP 1430
 BDE .3649 BRA .7047 BC3 .2076 FSP -1450

MID-COURSE EXECUTION ACCURACY

SGT 720.6 SGR 398.0 SG3 464.4
 RRT -.4183 RRF -.5364 RTF .6987
 SGB 823.3 R23 .1681 R13 -.7295
 SG1 745.4 SG2 349.5 TMA 163.19

ORBIT DETERMINATION ACCURACY

ST 205.8 SR 361.9 SS 377.0
 CRT -.1338 CRS .8687 CST -.5988
 LSA 512.6 MSA 228.6 SSA 21.6
 EL1 363.5 EL2 203.1 ALF 96.34

LAUNCH DATE DEC 19 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 263.935

RL 147.19 LAL -0.00 LOL 86.88 VL 28.713 GAL -10.65 AZL 87.06 HCA 122.70 SMA 135.58 ECC .20308 INC 2.9401 V1 30.269
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.437 GAP -.41 AZP 91.59 TAL 234.86 TAP 357.57 RCA 108.04 APO 163.11 V2 35.069
 RC 80.581 GL 14.54 GP 8.24 ZAL 153.85 ZAP 81.50 ETS 356.65 ZAE 174.79 ETE 154.56 ZAC 42.31 ETC 165.79 CLP -81.41

PLANETOCENTRIC CONIC

C3 33.219 VHL 5.764 DLA -7.70 RAL 288.40 RAD 6568.3 VEL 12.433 PTH 2.25 VHP 3.438 DPA -12.78 RAP 309.35 ECC 1.5467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 5 2098.34 -16.59 34.25 156.50 113.28 2 19 3 1498.3 -13.30 27.12
 90.00 11 46 7 5224.59 26.44 234.98 161.21 79.48 13 13 12 4624.6 24.72 226.74
 100.00 3 1 43 1847.88 -17.79 15.28 155.94 114.42 3 32 31 1247.9 -14.35 8.18
 100.00 13 11 10 4950.28 27.73 214.52 160.93 78.37 14 33 41 4350.3 25.85 206.23
 110.00 4 1 30 1660.70 -20.99 359.42 154.29 117.62 4 29 11 1060.7 -17.13 352.42
 110.00 14 27 53 4710.23 31.20 195.37 160.00 75.27 15 46 23 4110.2 28.86 186.94

DIFFERENTIAL CORRECTIONS

TDE .0283 TRA -.7594 TC3 -.2930 BAU .1377
 RDE -.3544 RRA .1522 RC3 .1011 FAU .16324
 FDE 1.0329 FRA-2.4964 FC3-4.2543 BSP 1879
 BDE .3555 BRA .7746 BC3 .3099 FSP -1528

MID-COURSE EXECUTION ACCURACY

SGT 833.8 SGR 401.3 SG3 484.0
 RRT -.4949 RRF -.5854 RTF .7693
 SGB 925.4 R23 .1488 R13 -.7907
 SG1 861.6 SG2 337.4 TMA 164.10

ORBIT DETERMINATION ACCURACY

ST 230.5 SR 355.3 SS 380.5
 CRT -.2492 CRS .8717 CST -.6845
 LSA 519.1 MSA 232.9 SSA 21.4
 EL1 362.7 EL2 218.7 ALF 104.59

LAUNCH DATE DEC 19 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 270.305

RL 147.19 LAL -0.00 LOL 86.88 VL 28.695 GAL -10.54 AZL 87.11 HCA 125.91 SMA 135.44 ECC .20183 INC 2.8892 V1 30.269
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.412 GAP .06 AZP 91.70 TAL 234.45 TAP .37 RCA 108.10 APO 162.77 V2 35.056
 RC 82.862 GL 14.43 GP 8.67 ZAL 153.68 ZAP 86.73 ETS 357.30 ZAE 171.10 ETE 160.53 ZAC 40.21 ETC 165.98 CLP -86.70

PLANETOCENTRIC CONIC

C3 32.575 VHL 5.707 DLA -7.78 RAL 288.69 RAD 6568.3 VEL 12.408 PTH 2.24 VHP 3.398 DPA -12.80 RAP 307.20 ECC 1.5361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 52 2090.84 -16.39 33.80 156.46 113.42 2 20 42 1490.8 -13.08 26.68
 90.00 11 46 39 5222.23 26.41 234.82 161.17 79.40 13 13 41 4622.2 24.68 226.58
 100.00 3 3 27 1840.51 -17.58 14.83 155.90 114.57 3 34 8 1240.5 -14.12 7.75
 100.00 13 11 44 4947.79 27.70 214.35 160.88 78.28 14 34 12 4347.8 25.80 206.06
 110.00 4 3 9 1653.63 -20.77 358.99 154.24 117.78 4 30 42 1053.6 -16.89 352.02
 110.00 14 28 32 4707.44 31.15 195.16 159.95 75.16 15 47 0 4107.4 28.80 186.75

DIFFERENTIAL CORRECTIONS

TDE .0526 TRA -.8320 TC3 -.4027 BAU .1832
 RDE -.3428 RRA .1599 RC3 .1219 FAU .16676
 FDE 1.0344 FRA-2.5180 FC3-4.4320 BSP 2365
 BDE .3468 BRA .8472 BC3 .4207 FSP -1582

MID-COURSE EXECUTION ACCURACY

SGT 961.6 SGR 405.0 SG3 497.7
 RRT -.5615 RRF -.6320 RTF .8180
 SGB 1043.4 R23 .1366 R13 -.8330
 SG1 991.5 SG2 325.0 TMA 165.05

ORBIT DETERMINATION ACCURACY

ST 258.7 SR 347.6 SS 381.3
 CRT -.3393 CRS .8753 CST -.7453
 LSA 526.3 MSA 236.1 SSA 21.2
 EL1 366.8 EL2 230.6 ALF 114.28

LAUNCH DATE DEC 19 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -1.00 LOL 86.88 VL 28.672 GAL -10.42 AZL 87.17 MCA 129.12 SMA 135.25 ECC .20065 INC 2.8341 V1 30.269
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.383 GAP .51 A7P 91.79 TAL 233.95 TAP 3.07 RCA 108.12 APO 162.39 V2 35.043
 RC 85.157 GL 14.29 GP 9.09 ZAL 153.46 ZAP 91.82 ETS 358.00 ZAE 167.47 ETE 162.99 ZAC 38.25 ETC 166.23 CLP -91.84

PLANETOCENTRIC CONIC
 C3 31.913 VHL 5.649 DLA -7.88 RAL 289.04 RAD 6568.3 VEL 12.381 PTH 2.23 VHP 3.380 DPA -12.76 RAP 305.20 ECC 1.5252
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 0 2082.72 -16.17 33.30 156.46 113.57 2 22 42 1482.7 -12.84 26.20
 90.00 11 47 21 5220.01 26.38 234.66 161.18 79.32 13 14 21 4620.0 24.64 226.42
 100.00 3 5 33 1832.55 -17.36 14.35 155.91 114.72 3 36 5 1232.5 -13.88 7.28
 100.00 13 12 29 4945.41 27.66 214.18 160.89 78.20 14 34 55 4345.4 25.76 205.90
 110.00 4 5 7 1646.00 -20.53 358.53 154.25 117.95 4 32 33 1046.0 -16.63 351.58
 110.00 14 29 24 4704.73 31.10 194.97 159.95 75.05 15 47 48 4104.7 28.74 186.56

DIFFERENTIAL CORRECTIONS
 TDE .0756 TRA -.9056 TC3 -.5186 BAU .2295 SGT 1099.5 SGR 409.0 SG3 505.1 ST 289.1 SR 338.8 SS 379.7
 RDE -.3301 RRA .1665 RC3 .1429 FAU .16812 RRT -.6190 RRF -.6758 RTF .8512 CRT -.4083 CRS .8800 CST -.7870
 FDE 1.0235 FRA -2.4990 FC3 -4.5607 BSP 2871 SGB 1173.1 R23 .1304 R13 -.8622 LSA 534.2 MSA 237.9 SSA 20.9
 BDE .3387 BRA .9208 BC3 .5379 FSP -1612 SG1 1130.8 SG2 312.3 THA 165.94 EL1 376.9 EL2 237.2 ALF 124.34

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 19 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -1.00 LOL 86.88 VL 28.645 GAL -10.30 AZL 87.23 MCA 132.33 SMA 135.04 ECC .19951 INC 2.7737 V1 30.269
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.350 GAP .94 A7P 91.87 TAL 233.35 TAP 5.68 RCA 108.09 APO 161.98 V2 35.030
 RC 87.465 GL 14.13 GP 9.53 ZAL 153.20 ZAP 96.70 ETS 358.76 ZAE 163.96 ETE 164.29 ZAC 36.48 ETC 166.55 CLP -96.79

PLANETOCENTRIC CONIC
 C3 31.231 VHL 5.588 DLA -7.98 RAL 289.46 RAD 6568.2 VEL 12.353 PTH 2.23 VHP 3.382 DPA -12.65 RAP 303.38 ECC 1.5140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 31 2073.81 -15.92 32.76 156.52 113.73 2 25 5 1473.8 -12.58 25.68
 90.00 11 48 10 5218.05 26.36 234.52 161.24 79.26 13 15 9 4618.1 24.61 226.29
 100.00 3 8 0 1823.82 -17.11 13.82 155.96 114.89 3 38 24 1223.8 -13.61 6.78
 100.00 13 13 22 4943.27 27.63 214.03 160.95 78.13 14 35 45 4343.3 25.72 205.75
 110.00 4 7 28 1637.67 -20.26 358.04 154.30 118.14 4 34 45 1037.7 -16.34 351.11
 110.00 14 30 24 4702.19 31.06 194.78 160.01 74.95 15 48 47 4102.2 28.68 186.39

DIFFERENTIAL CORRECTIONS
 TDE .0966 TRA -.9786 TC3 -.6395 BAU .2757 SGT 1243.9 SGR 413.1 SG3 506.6 ST 320.4 SR 328.8 SS 375.7
 RDE -.3164 RRA .1720 RC3 .1642 FAU .16747 RRT -.6689 RRF -.7166 RTF .8739 CRT -.4602 CRS .8853 CST -.8147
 FDE 1.0008 FRA -2.4432 FC3 -4.6424 BSP 3386 SGB 1310.7 R23 .1290 R13 -.8824 LSA 542.7 MSA 238.6 SSA 20.6
 BDE .3309 BRA .9936 BC3 .6603 FSP -1616 SG1 1276.0 SG2 299.3 THA 166.73 EL1 392.4 EL2 238.4 ALF 133.38

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 19 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -1.00 LOL 86.88 VL 28.613 GAL -10.17 AZL 87.29 MCA 135.53 SMA 134.79 ECC .19843 INC 2.7069 V1 30.269
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.314 GAP 1.36 A7P 91.93 TAL 232.67 TAP 8.21 RCA 108.04 APO 161.53 V2 35.016
 RC 89.783 GL 13.93 GP 9.99 ZAL 152.90 ZAP 101.34 ETS 359.58 ZAE 160.63 ETE 165.02 ZAC 34.92 ETC 166.98 CLP -101.52

PLANETOCENTRIC CONIC
 C3 30.528 VHL 5.525 DLA -8.12 RAL 289.94 RAD 6568.2 VEL 12.325 PTH 2.22 VHP 3.402 DPA -12.46 RAP 301.78 ECC 1.5024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 28 2063.89 -15.65 32.16 156.62 113.90 2 27 52 1463.9 -12.29 25.10
 90.00 11 49 4 5216.54 26.34 234.42 161.35 79.21 13 16 1 4616.5 24.58 226.19
 100.00 3 10 53 1814.12 -16.83 13.24 156.06 115.07 3 41 7 1214.1 -13.31 6.21
 100.00 13 14 20 4941.54 27.61 213.90 161.07 78.07 14 36 42 4341.5 25.69 205.63
 110.00 4 10 11 1628.46 -19.96 357.49 154.39 118.34 4 37 20 1028.5 -16.02 350.58
 110.00 14 31 32 4699.97 31.02 194.62 160.12 74.86 15 49 52 4100.0 28.63 186.23

DIFFERENTIAL CORRECTIONS
 TDE .1146 TRA -1.0499 TC3 -.7648 BAU .3213 SGT 1392.0 SGR 417.5 SG3 503.9 ST 351.6 SR 317.4 SS 367.7
 RDE -.3013 RRA .1767 RC3 .1864 FAU .16548 RRT -.7137 RRF -.7545 RTF .8899 CRT -.4984 CRS .8886 CST -.8352
 FDE .9584 FRA -2.3651 FC3 -4.6927 BSP 3913 SGB 1453.3 R23 .1305 R13 -.8967 LSA 550.0 MSA 238.0 SSA 20.3
 BDE .3224 BRA 1.0646 BC3 .7872 FSP -1619 SG1 1424.9 SG2 285.7 THA 167.40 EL1 411.0 EL2 235.4 ALF 140.81

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 19 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -1.00 LOL 86.88 VL 28.577 GAL -10.03 AZL 87.37 MCA 138.74 SMA 134.51 ECC .19739 INC 2.6321 V1 30.269
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.275 GAP 1.75 A7P 91.98 TAL 231.91 TAP 10.65 RCA 107.96 APO 161.06 V2 35.003
 RC 92.112 GL 13.69 GP 10.49 ZAL 152.57 ZAP 105.73 ETS .49 ZAE 157.49 ETE 165.40 ZAC 33.59 ETC 167.55 CLP -106.00

PLANETOCENTRIC CONIC
 C3 29.803 VHL 5.459 DLA -8.28 RAL 290.49 RAD 6568.2 VEL 12.295 PTH 2.21 VHP 3.439 DPA -12.17 RAP 300.43 ECC 1.4905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 55 2052.66 -15.34 31.48 156.75 114.10 2 31 7 1452.7 -11.96 24.44
 90.00 11 49 59 5215.71 26.33 234.36 161.52 79.18 13 16 55 4615.7 24.57 226.13
 100.00 3 14 15 1803.17 -16.51 12.58 156.19 115.28 3 44 18 1203.2 -12.97 5.57
 100.00 13 15 20 4940.43 27.60 213.82 161.23 78.03 14 37 40 4340.4 25.67 205.55
 110.00 4 13 21 1618.10 -19.63 356.87 154.53 118.57 4 40 19 1018.1 -15.66 349.99
 110.00 14 32 43 4698.27 30.99 194.50 160.29 74.79 15 51 1 4098.3 28.59 186.12

DIFFERENTIAL CORRECTIONS
 TDE .1296 TRA -1.1177 TC3 -.8931 BAU .3655 SGT 1540.9 SGR 422.3 SG3 496.0 ST 381.9 SR 305.1 SS 358.4
 RDE -.2855 RRA .1800 RC3 .2091 FAU .16172 RRT -.7525 RRF -.7898 RTF .9008 CRT -.5263 CRS .8937 CST -.8466
 FDE .9119 FRA -2.2561 FC3 -4.6978 BSP 4429 SGB 1597.8 R23 .1367 R13 -.9065 LSA 557.7 MSA 236.4 SSA 19.9
 BDE .3135 BRA 1.1321 BC3 .9173 FSP -1592 SG1 1574.4 SG2 272.2 THA 167.98 EL1 431.5 EL2 229.6 ALF 146.63

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 19 1965

FLIGHT TIME 102.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 301.672

RL 147.19 LAL -0.00 LOL 86.88 VL 28.538 GAL -9.89 AZL 87.45 MCA 141.94 SMA 134.21 ECC .19640 INC 2.5472 V1 30.269
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.234 GAP 2.13 AZP 92.01 TAL 231.08 TAP 13.02 RCA 107.85 APO 160.56 V2 34.990
 RC 94.449 GL 13.40 GP 11.06 ZAL 152.20 ZAP 109.83 ETS 1.50 ZAE 154.55 ETE 165.52 ZAC 32.51 ETC 168.29 CLP-110.22

PLANETOCENTRIC CONIC

C3 29.055 VHL 5.390 CLA -8.48 RAL 291.10 RAD 6568.2 VEL 12.265 PTH 2.21 VHP 3.489 CPA -11.77 RAP 299.32 ECC 1.4782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 57 2039.72 -14.98 30.70 156.93 114.31 2 34 57 1439.7 -11.57 23.68
 90.00 11 50 48 5215.91 26.33 234.37 161.74 79.19 13 17 44 4615.9 24.57 226.14
 100.00 3 18 11 1790.57 -16.15 11.82 156.37 115.50 3 48 1 1190.6 -12.58 4.85
 100.00 13 16 16 4940.29 27.59 213.81 161.45 78.02 14 38 36 4340.3 25.66 205.55
 110.00 4 17 3 1606.25 -19.24 356.17 154.70 118.81 4 43 49 1006.2 -15.25 349.33
 110.00 14 33 53 4697.37 30.97 194.43 160.52 74.76 15 52 11 4097.4 28.57 186.06

DIFFERENTIAL CORRECTIONS

TDE .1401 TRA-1.1816 TC3-1.0234 BAU .4085
 RDE -.2684 RRA .1826 RC3 .2336 FAU .15718
 FDE .8505 FRA-2.1349 FC3-4.6834 BSP 4950
 BDE .3028 BRA 1.1957 BC3 1.0516 FSP -1566

MID-COURSE EXECUTION ACCURACY

SGT 1690.2 SGR 428.1 SG3 485.5
 RRT -.7877 RRF -.8228 RTF .9086
 SGB 1743.6 R23 .1459 R13 -.9135
 SG1 1724.3 SG2 258.5 THA 168.45

ORBIT DETERMINATION ACCURACY

ST 410.4 SR 291.4 SS 345.5
 CRT -.5449 CRS .8969 CST -.8543
 LSA 563.8 MSA 233.5 SSA 19.6
 EL1 451.7 EL2 222.0 ALF 151.32

LAUNCH DATE DEC 19 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 307.858

RL 147.19 LAL -0.00 LOL 86.88 VL 28.497 GAL -9.74 AZL 87.55 MCA 145.13 SMA 133.88 ECC .19545 INC 2.4492 V1 30.269
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.191 GAP 2.49 AZP 92.01 TAL 230.19 TAP 15.32 RCA 107.72 APO 160.05 V2 34.977
 RC 96.794 GL 13.04 GP 11.71 ZAL 151.80 ZAP 113.64 ETS 2.63 ZAE 151.82 ETE 165.40 ZAC 31.67 ETC 169.25 CLP-114.18

PLANETOCENTRIC CONIC

C3 28.281 VHL 5.318 CLA -8.74 RAL 291.77 RAD 6568.1 VEL 12.233 PTH 2.20 VHP 3.551 CPA -11.24 RAP 298.47 ECC 1.4654
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 43 2024.50 -14.55 29.79 157.15 114.56 2 39 27 1424.5 -11.11 22.80
 90.00 11 51 26 5217.65 26.35 234.49 162.02 79.25 13 18 23 4617.6 24.60 226.26
 100.00 3 22 48 1775.81 -15.71 10.94 156.59 115.76 3 52 24 1175.8 -12.12 3.99
 100.00 13 17 2 4941.58 27.61 213.91 161.74 78.07 14 39 23 4341.6 25.69 205.63
 110.00 4 21 21 1592.47 -18.79 355.36 154.92 119.10 4 47 54 992.5 -14.76 348.55
 110.00 14 34 58 4697.68 30.98 194.45 160.81 74.77 15 53 16 4097.7 28.58 186.08

DIFFERENTIAL CORRECTIONS

TDE .1462 TRA-1.2399 TC3-1.1603 BAU .4495
 RDE -.2507 RRA .1839 RC3 .2595 FAU .15149
 FDE .7868 FRA-1.9942 FC3-4.6374 BSP 5449
 BDE .2902 BRA 1.2535 BC3 1.1890 FSP -1519

MID-COURSE EXECUTION ACCURACY

SGT 1837.0 SGR 435.1 SG3 471.4
 RRT -.8183 RRF -.8534 RTF .9137
 SGB 1887.8 R23 .1602 R13 -.9182
 SG1 1871.8 SG2 245.4 THA 168.84

ORBIT DETERMINATION ACCURACY

ST 436.6 SR 276.9 SS 331.3
 CRT -.5563 CRS .9013 CST -.8559
 LSA 569.0 MSA 230.0 SSA 19.2
 EL1 470.9 EL2 213.3 ALF 155.14

LAUNCH DATE DEC 19 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 314.016

RL 147.19 LAL -0.00 LOL 86.88 VL 28.452 GAL -9.58 AZL 87.67 MCA 148.33 SMA 133.54 ECC .19453 INC 2.3344 V1 30.269
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.146 GAP 2.83 AZP 91.99 TAL 229.23 TAP 17.55 RCA 107.56 APO 159.52 V2 34.964
 RC 99.145 GL 12.59 GP 12.48 ZAL 151.38 ZAP 117.17 ETS 3.92 ZAE 149.28 ETE 165.06 ZAC 31.08 ETC 170.49 CLP-117.88

PLANETOCENTRIC CONIC

C3 27.482 VHL 5.242 CLA -9.09 RAL 292.52 RAD 6568.1 VEL 12.201 PTH 2.19 VHP 3.625 CPA -10.54 RAP 297.86 ECC 1.4523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 25 2006.22 -14.03 28.70 157.42 114.85 2 44 51 1406.2 -10.56 21.74
 90.00 11 51 40 5221.64 26.40 234.78 162.38 79.38 13 18 42 4621.6 24.67 226.54
 100.00 3 28 19 1758.12 -15.18 9.89 156.85 116.06 3 57 37 1158.1 -11.56 2.98
 100.00 13 17 27 4944.98 27.66 214.15 162.10 78.19 14 39 52 4345.0 25.75 205.87
 110.00 4 26 27 1576.08 -18.24 354.40 155.17 119.42 4 52 43 976.1 -14.18 347.64
 110.00 14 35 48 4699.78 31.02 194.61 161.18 74.85 15 54 8 4099.8 28.63 186.22

DIFFERENTIAL CORRECTIONS

TDE .1457 TRA-1.2927 TC3-1.3002 BAU .4894
 RDE -.2318 RRA .1846 RC3 .2888 FAU .14546
 FDE .7102 FRA-1.8501 FC3-4.5823 BSP 5957
 BDE .2738 BRA 1.3058 BC3 1.3319 FSP -1476

MID-COURSE EXECUTION ACCURACY

SGT 1982.7 SGR 444.5 SG3 456.2
 RRT -.8458 RRF -.8818 RTF .9173
 SGB 2031.9 R23 .1782 R13 -.9215
 SG1 2018.5 SG2 232.9 THA 169.12

ORBIT DETERMINATION ACCURACY

ST 459.7 SR 260.8 SS 313.3
 CRT -.5591 CRS .9030 CST -.8552
 LSA 571.3 MSA 225.2 SSA 18.8
 EL1 487.6 EL2 213.3 ALF 158.45

LAUNCH DATE DEC 19 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 320.150

RL 147.19 LAL -0.00 LOL 86.88 VL 28.406 GAL -9.41 AZL 87.80 MCA 151.52 SMA 133.19 ECC .19367 INC 2.1967 V1 30.269
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.100 GAP 3.16 AZP 91.93 TAL 228.21 TAP 19.73 RCA 107.39 APO 158.98 V2 34.951
 RC 101.502 GL 12.01 GP 13.43 ZAL 150.94 ZAP 120.39 ETS 5.43 ZAE 146.91 ETE 164.48 ZAC 30.73 ETC 172.05 CLP-121.34

PLANETOCENTRIC CONIC

C3 26.655 VHL 5.163 CLA -9.55 RAL 293.34 RAD 6568.1 VEL 12.167 PTH 2.18 VHP 3.709 CPA -9.64 RAP 297.46 ECC 1.4387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 22 1983.69 -13.38 27.37 157.73 115.19 2 51 25 1383.7 -9.88 20.44
 90.00 11 51 17 5228.99 26.49 235.29 162.84 79.62 13 18 26 4629.0 24.79 227.04
 100.00 3 35 1 1736.40 -14.53 8.61 157.15 116.41 4 3 57 1136.4 -10.87 1.74
 100.00 13 17 19 4951.51 27.75 214.61 162.56 78.41 14 39 50 4351.5 25.87 206.32
 110.00 4 32 35 1556.11 -17.57 353.24 155.46 119.81 4 58 31 956.1 -13.47 346.53
 110.00 14 36 14 4704.57 31.10 194.95 161.65 75.04 15 54 38 4104.6 28.74 186.55

DIFFERENTIAL CORRECTIONS

TDE .1379 TRA-1.3385 TC3-1.4455 BAU .5278
 RDE -.2118 RRA .1845 RC3 .3222 FAU .13902
 FDE .6253 FRA-1.7001 FC3-4.5154 BSP 6461
 BDE .2528 BRA 1.3511 BC3 1.4810 FSP -1429

MID-COURSE EXECUTION ACCURACY

SGT 2126.0 SGR 457.2 SG3 439.5
 RRT -.8695 RRF -.9078 RTF .9197
 SGB 2174.6 R23 .2009 R13 -.9238
 SG1 2163.3 SG2 221.9 THA 169.30

ORBIT DETERMINATION ACCURACY

ST 479.2 SR 243.4 SS 292.1
 CRT -.5536 CRS .9029 CST -.8514
 LSA 570.8 MSA 219.0 SSA 18.4
 EL1 501.3 EL2 193.8 ALF 161.42

LAUNCH DATE DEC 19 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 326.259

RL 147.19 LAL -.00 LOL 86.88 VL 28.357 GAL -9.24 AZL 87.97 MCA 154.71 SMA 132.82 ECC .19284 INC 2.0277 V1 30.269
 RP 108.46 LAP .87 LOP 241.60 VP 38.052 GAP 3.48 A7P 91.83 TAL 227.13 TAP 21.84 RCA 107.21 APO 158.43 V2 34.939
 RC 103.862 GL 11.24 GP 14.62 ZAL 150.50 ZAP 123.30 ETS 7.23 ZAE 144.68 ETE 163.61 ZAC 30.60 ETC 174.04 CLP-124.56

PLANETOCENTRIC CONIC

C3 25.797 VHL 5.079 DLA -10.17 RAL 294.25 RAD 6568.0 VEL 12.132 PTH 2.17 VHP 3.805 DPA -8.48 RAP 297.26 ECC 1.4246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 2 1955.10 -12.55 25.68 158.10 115.60 2 59 37 1355.1 -9.00 18.80
 90.00 11 49 52 5241.38 26.64 236.17 163.41 80.04 13 17 13 4641.4 25.00 227.89
 100.00 3 43 20 1708.93 -13.69 7.00 157.52 116.83 4 11 49 1108.9 -9.98 .18
 100.00 13 16 15 4962.78 27.90 215.42 163.14 78.81 14 38 57 4362.8 26.07 207.09
 110.00 4 40 8 1531.07 -16.71 351.80 155.81 120.26 5 5 39 931.1 -12.57 345.15
 110.00 14 35 56 4713.40 31.25 195.60 162.26 75.39 15 54 29 4113.4 28.93 187.16

DIFFERENTIAL CORRECTIONS

TOE .1219 TRA-1.3747 TC3-1.5954 BAU .5641
 RDE -.1911 RRA .1829 RC3 .3604 FAU .13191
 FDE .5376 FRA-1.5385 FC3-4.4268 BSP 6924
 BDE .2267 BRA 1.3868 BC3 1.6356 FSP -1364

MID-COURSE EXECUTION ACCURACY

SGT 2264.4 SGR 473.8 SG3 420.6
 RRT -.8885 RRF -.9307 RTF .9207
 SGB 2313.4 R23 .2295 R13 -.9248
 SG1 2303.5 SG2 213.7 THA 169.38

ORBIT DETERMINATION ACCURACY

ST 494.6 SR 224.9 SS 268.2
 CRT -.5386 CRS .9020 CST -.8423
 LSA 567.4 MSA 211.9 SSA 17.9
 EL1 511.5 EL2 183.2 ALF 164.16

LAUNCH DATE DEC 19 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 332.345

RL 147.19 LAL -.00 LOL 86.88 VL 28.306 GAL -9.06 AZL 88.19 MCA 157.89 SMA 132.44 ECC .19206 INC 1.8135 V1 30.269
 RP 108.50 LAP .68 LOP 244.79 VP 38.003 GAP 3.79 A7P 91.68 TAL 226.01 TAP 23.90 RCA 107.00 APO 157.88 V2 34.926
 RC 106.225 GL 10.21 GP 16.15 ZAL 150.05 ZAP 125.86 ETS 9.44 ZAE 142.52 ETE 162.39 ZAC 30.71 ETC 176.58 CLP-127.58

PLANETOCENTRIC CONIC

C3 24.907 VHL 4.991 DLA -11.05 RAL 295.26 RAD 6568.0 VEL 12.095 PTH 2.16 VHP 3.913 DPA -6.94 RAP 297.20 ECC 1.4099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 15 1917.49 -11.43 23.48 158.55 116.08 3 10 12 1317.5 -7.83 16.65
 90.00 11 46 45 5261.65 26.87 237.61 164.15 80.72 13 14 26 4661.7 25.32 229.29
 100.00 3 54 2 1672.95 -12.58 4.91 157.96 117.34 4 21 55 1072.9 -8.81 358.14
 100.00 13 13 38 4981.43 28.14 216.75 163.90 79.47 14 36 39 4381.4 26.40 208.38
 110.00 4 49 43 1498.57 -15.59 349.95 156.23 120.81 5 14 42 898.6 -11.39 343.37
 110.00 14 34 26 4728.57 31.51 196.71 163.06 76.00 15 53 15 4128.6 29.27 188.22

DIFFERENTIAL CORRECTIONS

TDE .0920 TRA-1.4019 TC3-1.7550 BAU .5999
 RDE -.1682 RRA .1810 RC3 .4074 FAU .12475
 FDE .4310 FRA-1.3787 FC3-4.3362 BSP 7408
 BDE .1917 BRA 1.4135 BC3 1.8017 FSP -1307

MID-COURSE EXECUTION ACCURACY

SGT 2401.8 SGR 497.5 SG3 401.4
 RRT -.9038 RRF -.9508 RTF .9213
 SGB 2452.8 R23 .2611 R13 -.9256
 SG1 2443.9 SG2 209.2 THA 169.32

ORBIT DETERMINATION ACCURACY

ST 505.9 SR 203.6 SS 238.1
 CRT -.5075 CRS .8917 CST -.8341
 LSA 559.8 MSA 201.0 SSA 17.6
 EL1 517.7 EL2 171.4 ALF 167.01

LAUNCH DATE DEC 19 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 338.409

RL 147.19 LAL -.00 LOL 86.88 VL 28.254 GAL -8.87 AZL 88.47 MCA 161.08 SMA 132.05 ECC .19134 INC 1.5317 V1 30.269
 RP 108.54 LAP .50 LOP 247.97 VP 37.953 GAP 4.08 A7P 91.45 TAL 224.84 TAP 25.92 RCA 106.79 APO 157.32 V2 34.914
 RC 108.588 GL 8.77 GP 18.18 ZAL 149.61 ZAP 128.02 ETS 12.23 ZAE 140.36 ETE 160.70 ZAC 31.07 ETC 179.86 CLP-130.42

PLANETOCENTRIC CONIC

C3 23.982 VHL 4.897 DLA -12.32 RAL 296.42 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 4.040 DPA -4.87 RAP 297.24 ECC 1.3947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 26 1865.73 -9.86 20.49 159.15 116.68 3 24 32 1265.7 -6.20 13.72
 90.00 11 40 46 5294.82 27.22 239.98 165.16 81.86 13 9 1 4694.8 25.81 231.59
 100.00 4 8 28 1623.65 -11.02 2.08 158.54 117.96 4 35 32 1023.7 -7.19 355.38
 100.00 13 8 25 5012.13 28.50 218.96 164.93 80.58 14 31 57 4412.1 26.91 210.52
 110.00 5 2 28 1454.52 -14.04 347.48 156.77 121.49 5 26 43 854.5 -9.77 340.98
 110.00 14 30 54 4754.03 31.91 198.58 164.15 77.05 15 50 8 4154.0 29.80 190.01

DIFFERENTIAL CORRECTIONS

TDE .0443 TRA-1.4153 TC3-1.9234 BAU .6345
 RDE -.1425 RRA .1772 RC3 .4653 FAU .11690
 FDE .3102 FRA-1.2080 FC3-4.2199 BSP 7860
 BDE .1492 BRA 1.4264 BC3 1.9789 FSP -1234

MID-COURSE EXECUTION ACCURACY

SGT 2534.6 SGR 529.7 SG3 379.6
 RRT -.9139 RRF -.9673 RTF .9210
 SGB 2589.4 R23 .2949 R13 -.9257
 SG1 2580.7 SG2 211.2 THA 169.11

ORBIT DETERMINATION ACCURACY

ST 514.2 SR 179.0 SS 202.2
 CRT -.4539 CRS .8666 CST -.8276
 LSA 550.3 MSA 184.9 SSA 17.5
 EL1 521.3 EL2 157.4 ALF 170.11

LAUNCH DATE DEC 19 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 344.452

RL 147.19 LAL -.00 LOL 86.88 VL 28.201 GAL -8.68 AZL 88.86 MCA 164.26 SMA 131.66 ECC .19066 INC 1.1406 V1 30.269
 RP 108.58 LAP .31 LOP 251.15 VP 37.903 GAP 4.36 A7P 91.10 TAL 223.62 TAP 27.88 RCA 106.56 APO 156.76 V2 34.903
 RC 110.951 GL 6.64 GP 21.00 ZAL 149.18 ZAP 129.64 ETS 15.87 ZAE 138.03 ETE 158.37 ZAC 31.77 ETC 184.21 CLP-133.10

PLANETOCENTRIC CONIC

C3 23.029 VHL 4.799 DLA -14.23 RAL 297.77 RAD 6567.9 VEL 12.017 PTH 2.14 VHP 4.198 DPA -2.01 RAP 297.30 ECC 1.3790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 29 1789.94 -7.52 16.15 160.02 117.38 3 45 19 1189.9 -3.79 9.46
 90.00 11 29 33 5350.81 27.69 244.01 166.61 83.83 12 58 43 4750.8 26.55 235.53
 100.00 4 29 15 1551.92 -8.70 358.02 159.39 118.71 4 55 7 951.9 -4.80 351.40
 100.00 12 58 28 5064.06 29.02 222.73 166.43 82.50 14 22 52 4464.1 27.68 214.19
 110.00 5 20 32 1391.29 -11.76 344.00 157.55 122.33 5 43 43 791.3 -7.41 337.61
 110.00 14 23 40 4797.46 32.53 201.82 165.76 78.87 15 43 37 4197.5 30.65 193.10

DIFFERENTIAL CORRECTIONS

TDE -.0338 TRA-1.4118 TC3-2.1050 BAU .6692
 RDE -.1105 RRA .1717 RC3 .5412 FAU .10843
 FDE .1560 FRA-1.0308 FC3-4.0761 BSP 8332
 BDE .1155 BRA 1.4222 BC3 2.1735 FSP -1160

MID-COURSE EXECUTION ACCURACY

SGT 2666.0 SGR 576.1 SG3 355.7
 RRT -.9192 RRF -.9802 RTF .9205
 SGB 2727.5 R23 .3253 R13 -.9260
 SG1 2718.5 SG2 222.5 THA 168.69

ORBIT DETERMINATION ACCURACY

ST 526.8 SR 147.2 SS 159.6
 CRT -.3705 CRS .7808 CST -.8558
 LSA 548.0 MSA 154.7 SSA 18.4
 EL1 529.8 EL2 135.9 ALF 173.67

LAUNCH DATE DEC 19 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 350.475

RL 147.19 LAL -.00 LOL 86.88 VL 28.147 GAL -8.47 AZL 89.44 HCA 167.44 SMA 131.26 ECC .19003 INC .5569 V1 30.269
 RP 108.61 LAP .12 LOP 254.32 VP 37.852 GAP 4.63 AZP 90.55 TAL 222.36 TAP 29.80 RCA 106.32 APO 156.20 V2 34.892
 RC 113.313 GL 3.31 GP 25.12 ZAL 148.65 ZAP 130.39 ETS 20.78 ZAE 135.23 ETE 155.11 ZAC 33.02 ETC 190.18 CLP-135.70

PLANETOCENTRIC CONIC

C3 22.091 VHL 4.700 DLA -17.30 RAL 299.48 RAD 6567.9 VEL 11.978 PTH 2.13 VHP 4.414 DPA 2.14 RAP 297.22 ECC 1.3636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 51 10 1667.88 -3.64 9.28 161.58 118.10 4 18 58 1067.9 .14 2.64
 90.00 11 7 25 5452.67 28.22 251.41 168.89 87.50 12 38 17 4852.7 27.57 242.80
 100.00 5 2 31 1437.66 -4.91 351.65 160.88 119.52 5 26 29 837.7 -.94 345.11
 100.00 12 38 45 5158.12 29.66 229.65 168.80 86.09 14 4 43 4558.1 28.80 220.95
 110.00 5 48 46 1292.75 -8.12 338.69 158.91 123.32 6 10 19 692.7 -3.68 332.41
 110.00 14 8 59 4875.80 33.40 207.76 168.35 82.28 15 30 15 4275.8 31.98 198.82

DIFFERENTIAL CORRECTIONS

TDE -.1628 TRA-1.3801 TC3-2.2947 BAU .7036
 RDE -.0660 RRA .1613 RC3 .6411 FAU .09818
 FDE -.0408 FRA -.8306 FC3-3.8477 BSP 8774
 BDE .1757 BRA 1.3895 BC3 2.3825 FSP -1060

MID-COURSE EXECUTION ACCURACY

SGT 2792.4 SGR 641.9 SG3 325.7
 RRT -.9187 RRF -.9894 RTF .9197
 SGB 2865.2 R23 .3488 R13 -.9263
 SG1 2854.4 SG2 248.0 TMA 167.98

ORBIT DETERMINATION ACCURACY

ST 568.4 SR 103.0 SS 129.6
 CRT -.3050 CRS .5032 CST -.9583
 LSA 582.8 MSA 101.7 SSA 22.0
 EL1 569.3 EL2 98.0 ALF 176.74

LAUNCH DATE DEC 19 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 356.476

RL 147.19 LAL -.00 LOL 86.88 VL 28.092 GAL -8.26 AZL 90.41 HCA 170.61 SMA 130.86 ECC .18946 INC .4079 V1 30.269
 RP 108.64 LAP -.07 LOP 257.50 VP 37.801 GAP 4.90 AZP 89.60 TAL 221.06 TAP 31.67 RCA 106.07 APO 155.65 V2 34.881
 RC 115.673 GL -2.46 GP 31.54 ZAL 147.60 ZAP 129.55 ETS 27.60 ZAE 131.23 ETE 150.56 ZAC 35.38 ETC 198.64 CLP-138.34

PLANETOCENTRIC CONIC

C3 21.371 VHL 4.623 DLA -22.73 RAL 301.89 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 4.767 DPA 8.56 RAP 296.70 ECC 1.3517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 26 1429.26 4.04 355.95 165.37 118.05 5 27 15 829.3 7.76 349.25
 90.00 10 14 27 5675.29 27.80 267.65 172.79 95.62 11 49 2 5075.3 28.29 259.02
 100.00 6 7 50 1221.38 2.41 339.77 164.47 119.80 6 28 12 621.4 6.36 335.21
 100.00 11 52 44 5358.40 29.66 244.52 172.96 93.90 13 22 2 4758.4 29.89 235.72
 110.00 6 41 24 1116.16 -1.43 329.40 162.07 124.16 7 0 0 516.2 3.06 323.19
 110.00 13 35 40 5036.39 34.18 220.22 173.12 89.61 14 59 36 4436.4 33.75 211.00

DIFFERENTIAL CORRECTIONS

TDE -.4026 TRA-1.3016 TC3-2.4764 BAU .7413
 RDE .0124 RRA .1404 RC3 .7739 FAU .08489
 FDE -.3196 FRA -.6003 FC3-3.4391 BSP 9311
 BDE .4028 BRA 1.3092 BC3 2.5945 FSP -936

MID-COURSE EXECUTION ACCURACY

SGT 2924.1 SGR 740.1 SG3 285.5
 RRT -.9130 RRF -.9950 RTF .9200
 SGB 3016.3 R23 .3590 R13 -.9284
 SG1 3002.0 SG2 294.2 TMA 166.86

ORBIT DETERMINATION ACCURACY

ST 727.4 SR 62.4 SS 195.2
 CRT -.8553 CRS .7381 CST -.9609
 LSA 753.1 MSA 56.9 SSA 24.1
 EL1 729.3 EL2 32.3 ALF 175.79

LAUNCH DATE DEC 19 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 362.455

RL 147.19 LAL -.00 LOL 86.88 VL 28.036 GAL -8.04 AZL 92.35 HCA 173.78 SMA 130.46 ECC .18894 INC 2.3507 V1 30.269
 RP 108.68 LAP -.25 LOP 260.67 VP 37.750 GAP 5.15 AZP 87.66 TAL 219.72 TAP 33.50 RCA 105.81 APO 155.10 V2 34.870
 RC 118.029 GL -14.03 GP 42.51 ZAL 143.77 ZAP 125.28 ETS 37.17 ZAE 124.20 ETE 144.56 ZAC 40.48 ETC 210.82 CLP-141.59

PLANETOCENTRIC CONIC

C3 22.059 VHL 4.697 DLA -33.68 RAL 306.44 RAD 6567.9 VEL 11.977 PTH 2.13 VHP 5.547 DPA 19.37 RAP 294.85 ECC 1.3630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.96 5 33 17 1374.24 22.43 1.47 178.15 115.80 5 56 11 774.2 25.71 353.89
 109.04 10 20 53 5745.61 22.44 271.11 178.15 115.79 11 56 39 5145.6 25.72 263.54
 70.96 5 33 17 1374.24 22.43 1.47 178.15 115.80 5 56 11 774.2 25.71 353.89
 109.04 10 20 53 5745.61 22.44 271.11 178.15 115.79 11 56 39 5145.6 25.72 263.54
 110.00 9 42 5 5864.30 18.41 278.10 175.91 119.32 11 19 50 5264.3 22.18 270.99
 110.00 11 11 15 5591.59 26.58 261.16 180.18 112.34 12 44 27 4991.6 29.36 253.08

DIFFERENTIAL CORRECTIONS

TDE -.9298 TRA-1.1029 TC3-2.4873 BAU .7788
 RDE .1899 RRA .0802 RC3 .8873 FAU .06431
 FDE -.7057 FRA -.3043 FC3-2.5240 BSP 9882
 BDE .9490 BRA 1.1058 BC3 2.6408 FSP -730

MID-COURSE EXECUTION ACCURACY

SGT 3059.3 SGR 873.0 SG3 221.3
 RRT -.8986 RRF -.9963 RTF .9235
 SGB 3181.4 R23 .3509 R13 -.9347
 SG1 3159.8 SG2 370.8 TMA 165.41

ORBIT DETERMINATION ACCURACY

ST 1235.6 SR 235.7 SS 418.9
 CRT -.9671 CRS .9997 CST -.9688
 LSA 1321.0 MSA 112.0 SSA 5.0
 EL1 1256.5 EL2 58.9 ALF 169.52

LAUNCH DATE DEC 19 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 368.395

RL 147.19 LAL -.00 LOL 86.88 VL 27.979 GAL -7.81 AZL 98.26 HCA 176.92 SMA 130.05 ECC .18843 INC 8.2570 V1 30.269
 RP 108.71 LAP -.44 LOP 263.84 VP 37.699 GAP 5.39 AZP 81.75 TAL 218.33 TAP 35.26 RCA 105.55 APO 154.56 V2 34.860
 RC 120.382 GL -40.65 GP 62.90 ZAL 126.89 ZAP 113.35 ETS 51.99 ZAE 108.93 ETE 141.16 ZAC 52.50 ETC 229.48 CLP-150.48

PLANETOCENTRIC CONIC

C3 37.352 VHL 6.112 DLA -57.80 RAL 323.92 RAD 6568.5 VEL 12.598 PTH 2.29 VHP 8.486 DPA 38.99 RAP 287.33 ECC 1.6147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 37.25 4 26 51 1868.33 28.68 51.66 213.75 142.59 4 57 59 1268.3 34.91 46.16
 142.75 13 46 44 5513.82 28.70 256.09 213.76 142.59 15 18 37 4913.8 34.92 250.59
 37.25 4 26 51 1868.33 28.68 51.66 213.75 142.59 4 57 59 1268.3 34.91 46.16
 142.75 13 46 44 5513.82 28.70 256.09 213.76 142.59 15 18 37 4913.8 34.92 250.59
 37.25 4 26 51 1868.33 28.68 51.66 213.75 142.59 4 57 59 1268.3 34.91 46.16
 142.75 13 46 44 5513.82 28.70 256.09 213.76 142.59 15 18 37 4913.8 34.92 250.59

DIFFERENTIAL CORRECTIONS

TDE -2.7765 TRA -.3740 TC3-1.4385 BAU .7615
 RDE .6387 RRA -.1615 RC3 .5065 FAU .03119
 FDE -1.1445 FRA .0785 FC3 -.7228 BSP 10234
 BDE 2.8490 BRA .4074 BC3 1.5250 FSP -388

MID-COURSE EXECUTION ACCURACY

SGT 3209.3 SGR 906.9 SG3 120.7
 RRT -.8452 RRF -.9699 RTF .9493
 SGB 3335.0 R23 .2802 R13 -.9597
 SG1 3301.5 SG2 471.1 TMA 166.28

ORBIT DETERMINATION ACCURACY

ST 2610.9 SR 605.1 SS 787.5
 CRT -.9765 CRS .9947 CST -.9935
 LSA 2789.4 MSA 149.3 SSA .8
 EL1 2677.1 EL2 127.2 ALF 167.22

LAUNCH DATE DEC 19 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 374.903

RL 147.19 LAL -0.00 LOL 86.88 VL 27.922 GAL -7.69 AZL 11.27 MCA 180.64 SMA 129.65 ECC .18945 INC18.7286 V1 30.269
 RP 108.74 LAP -.63 LOP 267.01 VP 37.648 GAP 5.78 AZP 168.73 TAL 217.25 TAP 37.89 RCA 105.08 APO 154.21 V2 34.831
 RC 122.731 GL 47.21 GP -54.70 ZAL 95.59 ZAP 94.68 ETS 184.89 ZAE 53.74 ETE 109.85 ZAC 96.07 ETC 14.36 CLP 98.12

PLANETOCENTRIC CONIC

C31367.471 VHL 36.979 DLA 38.32 RAL 328.08 RAD 6573.1 VEL 38.584 PTH 3.55 VHP 44.411 DPA -47.22 RAP 156.22 ECC23.5051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.03 18 13 58 4806.04 .78 217.37 239.08 51.69 13 34 4 4206.0 -4.18 211.50
 116.97 0 32 52 3628.63 .79 128.28 239.07 51.69 1 33 20 3028.6 -4.17 122.41
 63.03 18 13 58 4806.04 .78 217.37 239.08 51.69 19 34 4 4206.0 -4.18 211.50
 116.97 0 32 52 3628.63 .79 128.28 239.07 51.69 1 33 20 3028.6 -4.17 122.41
 63.03 18 13 58 4806.04 .78 217.37 239.08 51.69 19 34 4 4206.0 -4.18 211.50
 116.97 0 32 52 3628.63 .79 128.28 239.07 51.69 1 33 20 3028.6 -4.17 122.41

DIFFERENTIAL CORRECTIONS

TDE-3.4580 TRA 2.8059 TC3 -.0808 BAU 3.7286
 RD-15.3371 RRA .8678 RC3 -.1873 FAU-.05843
 FDE 3.1344 FRA -.0863 FC3 .0370 BSP 7251
 BDE15.7221 BRA 2.9371 BC3 .2040 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 975.3 SGR 2755.8 SG3 48.2
 RRT .8170 RRF -.9994 RTF -.7964
 SGB 2923.3 R23 -.0912 R13 -.9958
 SG1 2873.1 SG2 539.5 THA 73.27

ORBIT DETERMINATION ACCURACY

ST 561.3 SR 2377.2 SS 1863.8
 CRT .9612 CRS .9999 CST .9581
 LSA 3068.5 MSA 155.5 SSA .4
 EL1 2437.9 EL2 151.0 ALF 77.16

LAUNCH DATE DEC 19 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 380.415

RL 147.19 LAL -0.00 LOL 86.88 VL 27.865 GAL -7.36 AZL 76.16 MCA 183.39 SMA 129.24 ECC .18809 INC13.8406 V1 30.269
 RP 108.76 LAP -.81 LOP 270.17 VP 37.597 GAP 5.89 AZP 103.82 TAL 215.57 TAP 38.96 RCA 104.93 APO 153.55 V2 34.842
 RC 125.075 GL 53.68 GP -58.56 ZAL 114.77 ZAP 117.56 ETS 296.19 ZAE 106.19 ETE 209.41 ZAC 77.43 ETC 116.85 CLP-152.49

PLANETOCENTRIC CONIC

C3 67.320 VHL 8.205 DLA 34.32 RAL 298.59 RAD 6569.3 VEL 13.736 PTH 2.51 VHP 8.004 DPA -78.24 RAP 341.18 ECC 2.1079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.75 16 52 50 4317.40 -13.59 188.54 187.87 58.18 18 4 47 3717.4 -17.70 181.83
 110.25 21 54 47 3356.92 -13.57 116.85 187.86 58.18 22 50 44 2756.9 -17.68 110.13
 69.75 16 52 50 4317.40 -13.59 188.54 187.87 58.18 18 4 47 3717.4 -17.70 181.83
 110.25 21 54 47 3356.92 -13.57 116.85 187.86 58.18 22 50 44 2756.9 -17.68 110.13
 69.75 16 52 50 4317.40 -13.59 188.54 187.87 58.18 18 4 47 3717.4 -17.70 181.83
 110.25 21 54 47 3356.92 -13.57 116.85 187.86 58.18 22 50 44 2756.9 -17.68 110.13

DIFFERENTIAL CORRECTIONS

TDE 3.4382 TRA-2.7269 TC3 -.7379 BAU .6694
 RDE .3029 RRA .3077 RC3 -.0938 FAU .03147
 FDE 1.6467 FRA -.7318 FC3 -.4047 BSP 11105
 BDE 3.4516 BRA 2.7442 BC3 .7438 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 3542.1 SGR 368.9 SG3 126.6
 RRT .0723 RRF .3414 RTF .9619
 SGB 3561.2 R23 .2718 R13 .9621
 SG1 3542.2 SG2 368.0 THA .44

ORBIT DETERMINATION ACCURACY

ST 2498.9 SR 225.5 SS 805.7
 CRT .8057 CRS -.8711 CST -.9928
 LSA 2630.3 MSA 160.3 SSA .6
 EL1 2505.5 EL2 133.2 ALF 4.17

LAUNCH DATE DEC 19 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 386.313

RL 147.19 LAL -0.00 LOL 86.88 VL 27.808 GAL -7.11 AZL 81.25 MCA 186.53 SMA 128.84 ECC .18781 INC 8.7482 V1 30.269
 RP 108.79 LAP -.99 LOP 273.34 VP 37.547 GAP 6.11 AZP 98.69 TAL 214.09 TAP 40.63 RCA 104.64 APO 153.04 V2 34.834
 RC 127.413 GL 43.25 GP -38.20 ZAL 122.68 ZAP 132.24 ETS 311.41 ZAE 120.14 ETE 208.48 ZAC 63.99 ETC 129.96 CLP-148.80

PLANETOCENTRIC CONIC

C3 37.524 VHL 6.126 DLA 23.80 RAL 300.10 RAD 6568.5 VEL 12.605 PTH 2.29 VHP 5.729 DPA -58.45 RAP 321.45 ECC 1.6175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 49 44 3226.34 -25.72 112.58 181.78 77.73 22 43 30 2626.3 -27.16 104.21
 90.00 17 9 56 4158.14 -1.31 169.65 172.59 61.71 18 19 14 3558.1 -5.08 163.00
 100.00 23 30 20 2901.95 -28.01 89.24 182.30 79.10 24 18 42 2301.9 -29.22 80.65
 100.00 18 12 0 3957.76 .72 153.79 171.46 60.12 19 17 58 3357.8 -3.26 147.27
 110.00 1 20 51 2568.52 -33.42 64.95 183.33 82.34 2 3 39 1968.5 -34.11 55.77
 110.00 18 41 55 3863.95 5.38 143.79 168.57 56.19 19 46 19 3263.9 -.90 137.56

DIFFERENTIAL CORRECTIONS

TDE 2.0896 TRA-2.2889 TC3-1.5488 BAU .7836
 RDE .3154 RRA .0541 RC3 -.2026 FAU .05741
 FDE 1.6934 FRA -.8064 FC3-1.3245 BSP 11292
 BDE 2.1132 BRA 2.2895 BC3 1.5620 FSP -709

MID-COURSE EXECUTION ACCURACY

SGT 3591.0 SGR 389.4 SG3 208.5
 RRT .6565 RRF .8774 RTF .9353
 SGB 3612.0 R23 .3436 R13 .9373
 SG1 3600.1 SG2 293.0 THA 4.10

ORBIT DETERMINATION ACCURACY

ST 2077.5 SR 295.5 SS 793.9
 CRT .9207 CRS -.9778 CST -.9820
 LSA 2236.5 MSA 177.0 SSA 1.7
 EL1 2095.3 EL2 114.3 ALF 7.48

LAUNCH DATE DEC 19 1965

FLIGHT TIME 132.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 392.216

RL 147.19 LAL -0.00 LOL 86.88 VL 27.750 GAL -6.85 AZL 83.04 MCA 189.69 SMA 128.44 ECC .18766 INC 6.9623 V1 30.269
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.497 GAP 6.33 AZP 96.86 TAL 212.60 TAP 42.29 RCA 104.34 APO 152.55 V2 34.826
 RC 129.747 GL 37.75 GP -27.22 ZAL 125.60 ZAP 139.93 ETS 319.83 ZAE 125.80 ETE 202.91 ZAC 57.96 ETC 137.14 CLP-149.38

PLANETOCENTRIC CONIC

C3 29.765 VHL 5.456 DLA 18.59 RAL 302.03 RAD 6568.2 VEL 12.294 PTH 2.21 VHP 5.225 DPA -47.36 RAP 318.80 ECC 1.4899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 2 27 2932.12 -28.25 91.48 177.68 87.97 23 51 19 2332.1 -28.23 82.82
 90.00 16 12 34 4335.60 4.40 179.56 168.87 62.00 17 24 50 3735.6 .62 172.92
 100.00 0 38 57 2633.61 -29.88 69.57 177.73 89.25 1 22 51 2033.6 -29.67 60.77
 100.00 17 22 41 4109.35 5.84 162.14 168.08 60.63 18 31 11 3509.3 1.88 155.59
 110.00 2 11 38 2343.65 -34.09 47.47 177.64 92.64 2 50 42 1743.6 -33.35 38.30
 110.00 18 6 30 3972.07 9.44 149.53 165.88 56.99 19 12 42 3372.1 5.03 143.22

DIFFERENTIAL CORRECTIONS

TDE 1.6610 TRA-2.1016 TC3-2.0591 BAU .8220
 RDE .2148 RRA .0492 RC3 -.1654 FAU .06760
 FDE 1.5719 FRA -.7421 FC3-1.9661 BSP 11498
 BDE 1.6748 BRA 2.1022 BC3 2.0657 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 3676.0 SGR 294.0 SG3 244.4
 RRT .6219 RRF .8594 RTF .9245
 SGB 3687.8 R23 .3604 R13 .9256
 SG1 3680.6 SG2 229.9 THA 2.86

ORBIT DETERMINATION ACCURACY

ST 1880.3 SR 226.2 SS 754.0
 CRT .8990 CRS -.9757 CST -.9731
 LSA 2029.9 MSA 186.1 SSA 3.0
 EL1 1891.3 EL2 98.5 ALF 6.19

LAUNCH DATE DEC 19 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 398.111

RL 147.19 LAL -0.00 LOL 86.88 VL 27.692 GAL -6.58 AZL 83.95 MCA 192.86 SMA 128.05 ECC .18762 INC 6.0497 V1 30.269
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.448 GAP 6.54 AZP 95.90 TAL 211.08 TAP 43.94 RCA 104.02 APO 152.07 V2 34.819
 RC 132.074 GL 34.55 GP -20.77 ZAL 126.51 ZAP 144.49 ETS 325.65 ZAE 128.27 ETE 198.40 ZAC 55.45 ETC 142.29 CLP-150.53

PLANETOCENTRIC CONIC

C3 26.137 VHL 5.112 CLA 15.76 RAL 303.87 RAD 6568.1 VEL 12.146 PTH 2.18 VHP 5.090 DPA -40.66 RAP 318.60 ECC 1.4302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 37 53 2792.55 -28.16 81.28 175.78 93.08 24 24 25 2192.5 -27.44 72.69
 90.00 15 51 50 4410.41 6.78 183.77 168.19 62.44 17 5 20 3810.4 3.03 177.09
 100.00 1 11 52 2502.15 -29.60 59.81 175.67 94.37 1 53 34 1902.2 -28.68 51.13
 100.00 17 4 28 4176.04 8.05 165.85 167.51 61.11 18 14 4 3576.0 4.13 159.25
 110.00 2 39 27 2228.10 -33.37 38.53 175.20 97.88 3 16 35 1628.1 -31.92 29.60
 110.00 17 53 22 4022.85 11.31 152.27 165.54 57.52 19 0 25 3422.9 6.94 145.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4578 TRA-1.9934 TC3-2.4370 BAU .8524 SGT 3777.1 SGR 222.9 SG3 257.4 ST 1777.5 SR 185.9 SS 715.0
 RDE .1651 RRA .0530 RC3 -.1056 FAU .07063 RRT .5083 RRF .7668 RTF .9186 CRT .8761 CRS -.9712 CST -.9656
 FDE 1.4351 FRA -.6471 FC3-2.3394 BSP 11862 SGB 3783.7 R23 .3468 R13 .9191 LSA 1915.3 MSA 192.2 SSA 4.3
 BDE 1.4671 BRA 1.9941 BC3 2.4393 FSP -862 SGI 3778.8 SG2 191.9 THA 1.72 EL1 1785.0 EL2 89.3 ALF 5.25

LAUNCH DATE DEC 19 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 403.994

RL 147.19 LAL -0.00 LOL 86.88 VL 27.635 GAL -6.31 AZL 84.51 MCA 196.02 SMA 127.65 ECC .18766 INC 5.4930 V1 30.269
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.399 GAP 6.75 AZP 95.28 TAL 209.54 TAP 45.56 RCA 103.70 APO 151.61 V2 34.812
 RC 134.395 GL 32.52 GP -16.63 ZAL 126.44 ZAP 147.60 ETS 329.84 ZAE 129.42 ETE 195.07 ZAC 54.66 ETC 146.17 CLP-151.79

PLANETOCENTRIC CONIC

C3 23.918 VHL 4.891 CLA 14.14 RAL 305.66 RAD 6568.0 VEL 12.054 PTH 2.15 VHP 5.076 DPA -36.17 RAP 319.29 ECC 1.3936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 3 44 2713.08 -27.74 75.51 175.16 95.95 0 48 57 2113.1 -26.62 67.02
 90.00 15 44 13 4446.17 7.90 185.80 168.47 62.72 16 58 20 3846.2 4.18 179.09
 100.00 1 32 35 2426.52 -29.08 54.25 174.99 97.25 2 13 2 1826.5 -27.77 45.69
 100.00 16 58 3 4207.96 9.09 167.65 167.83 61.40 18 8 11 3608.0 5.20 161.02
 110.00 2 57 40 2160.30 -32.62 33.38 174.33 100.84 3 33 40 1560.3 -30.78 24.64
 110.00 17 49 28 4046.94 12.19 153.59 165.98 57.81 18 56 55 3446.9 7.85 147.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3492 TRA-1.9107 TC3-2.7470 BAU .8785 SGT 3879.1 SGR 184.7 SG3 260.2 ST 1727.6 SR 167.3 SS 685.5
 RDE .1418 RRA .0537 RC3 -.0494 FAU .07053 RRT .3386 RRF .6019 RTF .9145 CRT .8625 CRS -.9696 CST -.9596
 FDE 1.3217 FRA -.5476 FC3-2.5530 BSP 12197 SGB 3883.4 R23 .3099 R13 .9148 LSA 1855.8 MSA 196.5 SSA 5.7
 BDE 1.3567 BRA 1.9114 BC3 2.7475 FSP -870 SGI 3879.6 SG2 173.8 THA .93 EL1 1733.7 EL2 84.3 ALF 4.78

LAUNCH DATE DEC 19 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 409.866

RL 147.19 LAL -0.00 LOL 86.88 VL 27.577 GAL -6.03 AZL 84.88 MCA 199.18 SMA 127.27 ECC .18781 INC 5.1162 V1 30.269
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.351 GAP 6.96 AZP 94.83 TAL 207.98 TAP 47.16 RCA 103.36 APO 151.17 V2 34.806
 RC 136.709 GL 31.16 GP -13.78 ZAL 125.79 ZAP 149.98 ETS 332.93 ZAE 129.97 ETE 192.60 ZAC 54.80 ETC 149.19 CLP-153.06

PLANETOCENTRIC CONIC

C3 22.340 VHL 4.726 CLA 13.23 RAL 307.46 RAD 6567.9 VEL 11.988 PTH 2.14 VHP 5.113 DPA -32.92 RAP 320.42 ECC 1.3677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 18 54 2664.79 -27.35 72.03 175.29 97.65 1 3 19 2064.8 -26.01 63.62
 90.00 15 43 22 4461.19 8.37 186.66 169.17 62.85 16 57 43 3861.2 4.66 179.94
 100.00 1 47 8 2380.21 -28.63 50.88 175.07 98.97 2 26 49 1780.2 -27.10 42.42
 100.00 16 57 48 4221.00 9.52 168.38 168.56 61.53 18 8 9 3621.0 5.64 161.74
 110.00 3 10 54 2118.13 -32.04 30.23 174.32 102.62 3 46 12 1518.1 -29.97 21.63
 110.00 17 50 32 4055.84 12.51 154.08 166.78 57.93 18 58 8 3455.8 8.18 147.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2888 TRA-1.8376 TC3-3.0227 BAU .9028 SGT 3980.1 SGR 172.1 SG3 258.4 ST 1708.6 SR 160.9 SS 664.8
 RDE .1318 RRA .0513 RC3 -.0007 FAU .06905 RRT .1538 RRF .3972 RTF .9112 CRT .8600 CRS -.9720 CST -.9550
 FDE 1.2320 FRA -.4513 FC3-2.6758 BSP 12525 SGB 3983.9 R23 .2599 R13 .9113 LSA 1829.6 MSA 199.9 SSA 7.0
 BDE 1.2955 BRA 1.8383 BC3 3.0227 FSP -862 SGI 3980.2 SG2 170.0 THA .38 EL1 1714.2 EL2 81.8 ALF 4.64

LAUNCH DATE DEC 19 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 415.726

RL 147.19 LAL -0.00 LOL 86.88 VL 27.520 GAL -5.74 AZL 85.16 MCA 202.35 SMA 126.88 ECC .18806 INC 4.8429 V1 30.269
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.304 GAP 7.17 AZP 94.48 TAL 206.39 TAP 48.74 RCA 103.02 APO 150.74 V2 34.801
 RC 139.015 GL 30.21 GP -11.72 ZAL 124.76 ZAP 151.93 ETS 335.28 ZAE 130.21 ETE 190.74 ZAC 55.49 ETC 151.61 CLP-154.31

PLANETOCENTRIC CONIC

C3 21.112 VHL 4.595 CLA 12.77 RAL 309.28 RAD 6567.9 VEL 11.937 PTH 2.12 VHP 5.175 DPA -30.40 RAP 321.82 ECC 1.3475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 30 11 2635.25 -27.06 69.91 175.88 98.67 1 14 6 2035.2 -25.58 61.56
 90.00 15 46 38 4463.44 8.44 186.79 170.13 62.87 17 1 2 3863.4 4.73 180.06
 100.00 1 58 7 2351.64 -28.31 48.82 175.64 100.01 2 37 19 1751.6 -26.64 40.42
 100.00 17 1 23 4222.28 9.56 168.46 169.53 61.54 18 11 45 3622.3 5.68 161.81
 110.00 3 21 14 2091.59 -31.62 28.27 174.84 103.71 3 56 5 1491.6 -29.42 19.76
 110.00 17 54 46 4055.09 12.48 154.04 167.79 57.92 19 2 21 3455.1 8.15 147.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2533 TRA-1.7710 TC3-3.2866 BAU .9277 SGT 4085.5 SGR 175.0 SG3 254.9 ST 1706.5 SR 161.3 SS 648.5
 RDE .1286 RRA .0464 RC3 -.0406 FAU .06717 RRT .0051 RRF .2112 RTF .9091 CRT .8659 CRS -.9768 CST -.9516
 FDE 1.1560 FRA -.3661 FC3-2.7542 BSP 12938 SGB 4089.3 R23 .2065 R13 .9091 LSA 1821.5 MSA 201.7 SSA 8.4
 BDE 1.2599 BRA 1.7716 BC3 3.2868 FSP -857 SGI 4085.5 SG2 175.0 THA .01 EL1 1712.2 EL2 80.4 ALF 4.69

LAUNCH DATE DEC 19 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 421.557

RL 147.19 LAL -0.00 LOL 86.88 VL 27.463 GAL -5.45 AZL 85.37 HCA 205.51 SMA 126.50 ECC .18845 INC 4.6343 V1 30.269
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.258 GAP 7.38 AZP 94.18 TAL 204.80 TAP 50.31 RCA 102.66 APO 150.34 V2 34.797
 RC 141.312 GL 29.51 GP -10.15 ZAL 123.49 ZAP 153.63 ETS 337.10 ZAE 130.30 ETE 189.28 ZAC 56.53 ETC 153.59 CLP-155.53

PLANETOCENTRIC CONIC

C3 20.115 VHL 4.485 OLA 12.60 RAL 311.14 RAD 6567.8 VEL 11.895 PTH 2.11 VMP 5.253 DPA -28.35 RAP 323.38 ECC 1.3310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 3 2617.86 -26.88 68.67 176.79 99.27 1 22 41 2017.9 -25.32 60.35
 90.00 15 52 36 4457.66 8.26 186.46 171.27 62.82 17 6 54 3857.7 4.55 179.74
 100.00 2 6 53 2334.61 -28.10 47.60 176.55 100.63 2 45 48 1734.6 -26.35 39.23
 100.00 17 7 27 4216.15 9.36 168.11 170.68 61.48 18 17 43 3616.1 5.48 161.47
 110.00 3 29 46 2075.29 -31.36 27.08 175.72 104.37 4 4 21 1475.3 -29.06 18.62
 110.00 18 1 4 4048.23 12.23 153.66 168.97 57.83 19 8 33 3448.2 7.90 147.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0762 TRA-1.8622 TC3-3.8530 BAU 1.0362 SGT 4447.1 SGR 168.8 SG3 276.5 ST 1560.7 SR 156.1 SS 522.7
 RDE .1218 RRA .0308 RC3 .0574 FAU .07557 RRT -.0832 RRF -.0029 RTF .9329 CRT .8412 CRS -.9642 CST -.9519
 FDE .8847 FRA -.5142 FC3-3.2525 BSP 17159 SGB 4450.3 R23 -.0751 R13 -.9329 LSA 1644.3 MSA 171.9 SSA 12.2
 BDE 1.0831 BRA 1.8625 BC3 3.8534 FSP -1306 SG1 4447.2 SG2 168.2 THA 179.82 EL1 1566.3 EL2 84.1 ALF 4.82

LAUNCH DATE DEC 19 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 427.414

RL 147.19 LAL -0.00 LOL 86.88 VL 27.406 GAL -5.14 AZL 85.53 HCA 208.67 SMA 126.13 ECC .18888 INC 4.4691 V1 30.269
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.213 GAP 7.57 AZP 93.92 TAL 203.16 TAP 51.83 RCA 102.31 APO 149.95 V2 34.793
 RC 143.598 GL 29.00 GP -8.95 ZAL 121.94 ZAP 155.12 ETS 338.55 ZAE 130.33 ETE 188.15 ZAC 57.85 ETC 155.27 CLP-156.69

PLANETOCENTRIC CONIC

C3 19.244 VHL 4.387 OLA 12.68 RAL 313.10 RAD 6567.8 VEL 11.859 PTH 2.10 VMP 5.337 DPA -26.59 RAP 325.09 ECC 1.3167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 8 2610.30 -26.79 68.13 177.99 99.52 1 29 39 2010.3 -25.20 59.83
 90.00 16 1 9 4444.23 7.84 185.69 172.59 62.70 17 15 13 3844.2 4.12 178.99
 100.00 2 14 2 2326.86 -28.01 47.04 177.75 100.90 2 52 48 1726.9 -26.22 38.70
 100.00 17 15 57 4202.90 8.93 167.36 172.01 61.35 18 26 0 3602.9 5.03 160.74
 110.00 3 37 1 2067.18 -31.22 26.48 176.91 104.69 4 11 28 1467.2 -28.88 18.06
 110.00 18 9 27 4035.34 11.76 152.95 170.31 57.67 19 16 43 3435.3 7.41 146.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2573 TRA-1.6086 TC3-3.7416 BAU .9630 SGT 4255.7 SGR 203.6 SG3 242.3 ST 1767.4 SR 174.4 SS 646.7
 RDE .1331 RRA .0333 RC3 .1095 FAU .06127 RRT -.1459 RRF .0001 RTF .9013 CRT .8971 CRS -.9894 CST -.9484
 FDE 1.0710 FRA -.1805 FC3-2.7564 BSP 13206 SGB 4260.5 R23 -.1333 R13 -.9013 LSA 1878.7 MSA 205.9 SSA 10.6
 BDE 1.2643 BRA 1.6089 BC3 3.7432 FSP -776 SG1 4255.8 SG2 201.4 THA 179.60 EL1 1774.3 EL2 76.8 ALF 5.07

LAUNCH DATE DEC 19 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 433.239

RL 147.19 LAL -0.00 LOL 86.88 VL 27.350 GAL -4.82 AZL 85.67 HCA 211.83 SMA 125.76 ECC .18946 INC 4.3342 V1 30.269
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.168 GAP 7.78 AZP 93.68 TAL 201.52 TAP 53.35 RCA 101.93 APO 149.59 V2 34.790
 RC 145.874 GL 28.61 GP -7.98 ZAL 120.24 ZAP 156.50 ETS 339.70 ZAE 130.31 ETE 187.22 ZAC 59.34 ETC 156.70 CLP-157.82

PLANETOCENTRIC CONIC

C3 18.502 VHL 4.301 OLA 12.93 RAL 315.12 RAD 6567.7 VEL 11.827 PTH 2.09 VMP 5.428 DPA -25.05 RAP 326.87 ECC 1.3045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 8 2609.27 -26.78 68.06 179.42 99.56 1 35 37 2009.3 -25.19 59.76
 90.00 16 11 17 4426.72 7.29 184.70 174.06 62.56 17 25 4 3826.7 3.56 178.00
 100.00 2 20 10 2325.34 -27.99 46.93 179.17 100.96 2 58 55 1725.3 -26.19 38.59
 100.00 17 25 56 4185.89 8.37 166.41 173.48 61.20 18 35 42 3585.9 4.46 159.80
 110.00 3 43 30 2064.61 -31.17 26.30 178.34 104.80 4 17 54 1464.6 -28.83 17.88
 110.00 18 19 6 4019.38 11.18 152.09 171.79 57.49 19 26 5 3419.4 6.81 145.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2618 TRA-1.5352 TC3-3.9902 BAU .9875 SGT 4360.0 SGR 219.6 SG3 237.5 ST 1737.7 SR 183.0 SS 640.0
 RDE .1371 RRA .0249 RC3 .1361 FAU .05919 RRT -.1737 RRF -.0589 RTF .9010 CRT .9126 CRS -.9933 CST -.9483
 FDE 1.0224 FRA -.1155 FC3-2.7698 BSP 13688 SGB 4365.6 R23 -.0995 R13 -.9010 LSA 1906.0 MSA 204.0 SSA 11.9
 BDE 1.2692 BRA 1.5354 BC3 3.9925 FSP -777 SG1 4360.2 SG2 216.3 THA 179.50 EL1 1805.4 EL2 74.5 ALF 5.32

LAUNCH DATE DEC 19 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 439.054

RL 147.19 LAL -0.00 LOL 86.88 VL 27.294 GAL -4.50 AZL 85.78 HCA 215.00 SMA 125.40 ECC .19018 INC 4.2214 V1 30.269
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.125 GAP 7.98 AZP 93.46 TAL 199.85 TAP 54.85 RCA 101.55 APO 149.24 V2 34.787
 RC 148.138 GL 28.30 GP -7.19 ZAL 118.37 ZAP 157.78 ETS 340.63 ZAE 130.27 ETE 186.47 ZAC 60.96 ETC 157.93 CLP-158.92

PLANETOCENTRIC CONIC

C3 17.852 VHL 4.225 OLA 13.30 RAL 317.23 RAD 6567.7 VEL 11.800 PTH 2.09 VMP 5.525 DPA -23.65 RAP 328.73 ECC 1.2938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 15 2613.94 -26.83 68.39 181.06 99.40 1 40 49 2013.9 -25.26 60.08
 90.00 16 22 58 4405.36 6.62 183.49 175.70 62.40 17 36 24 3805.4 2.87 176.81
 100.00 2 25 33 2329.21 -28.04 47.21 180.81 100.82 3 4 22 1729.2 -26.26 38.86
 100.00 17 37 22 4165.32 7.69 165.26 175.11 61.03 18 46 48 3565.3 3.77 158.66
 110.00 3 49 24 2066.81 -31.21 26.46 179.99 104.71 4 23 51 1466.8 -28.88 18.03
 110.00 18 30 0 4000.49 10.49 151.06 173.42 57.28 19 36 41 3400.5 6.10 144.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2825 TRA-1.4489 TC3-4.2192 BAU 1.0077 SGT 4451.1 SGR 236.5 SG3 231.8 ST 1844.7 SR 192.9 SS 641.2
 RDE .1422 RRA .0161 RC3 .1599 FAU .05669 RRT -.1823 RRF -.0895 RTF .8995 CRT .9293 CRS -.9961 CST -.9490
 FDE .9891 FRA -.0452 FC3-2.7490 BSP 13997 SGB 4457.4 R23 -.0762 R13 -.8994 LSA 1952.0 MSA 202.1 SSA 13.0
 BDE 1.2904 BRA 1.4490 BC3 4.2222 FSP -759 SG1 4451.4 SG2 232.5 THA 179.44 EL1 1853.4 EL2 70.9 ALF 5.56

LAUNCH DATE DEC 19 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 444.857

RL 147.19 LAL -1.00 LOL 86.88 VL 27.238 GAL -4.16 AZL 85.87 MCA 218.16 SMA 125.04 ECC .19102 INC 4.1251 VI 30.269
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.082 GAP 8.18 AZP 93.25 TAL 198.18 TAP 56.33 RCA 101.15 APO 148.92 V2 34.786
 RC 150.390 GL 28.04 GP -6.54 ZAL 116.34 ZAP 158.98 ETS 341.38 ZAE 130.23 ETE 185.85 ZAC 62.70 ETC 159.02 CLP-159.98

PLANETOCENTRIC CONIC

C3 17.285 VHL 4.157 DLA 13.80 RAL 319.43 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 5.626 DPA -22.35 RAP 330.64 ECC 1.2845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 45 2623.44 -26.94 69.07 182.90 99.08 1 45 28 2023.4 -25.41 60.74
 90.00 16 36 4 4380.87 5.84 182.10 177.49 62.24 17 49 5 3780.9 2.08 175.44
 100.00 2 30 22 2337.65 -28.14 47.81 182.66 100.52 3 9 20 1737.7 -26.40 39.44
 100.00 17 50 8 4141.89 6.92 163.95 176.91 60.85 18 59 10 3541.9 2.98 157.37
 110.00 3 54 56 2073.04 -31.32 26.91 181.85 104.46 4 29 29 1473.0 -29.01 18.46
 110.00 18 42 3 3979.27 9.70 149.92 175.21 57.06 19 48 23 3379.3 5.30 143.60

DIFFERENTIAL CORRECTIONS

TOE 1.3109 TRA-1.3554 TC3-4.4418 BAU 1.0273
 ROE .1476 RRA .0070 RC3 .1806 FAU .05421
 FDE .9607 FRA .0217 FC3-2.7152 BSP 14288
 BDE 1.3192 BRA 1.3554 BC3 4.4455 FSP -740

MID-COURSE EXECUTION ACCURACY

SGT 4539.2 SGR 253.1 SG3 226.1
 RRT -.1796 RRF -.1049 RTF .8982
 SGB 4546.2 R23 -.0578 R13 -.8981
 SG1 4539.4 SG2 248.9 THA 179.42

ORBIT DETERMINATION ACCURACY

ST 1899.7 SR 203.5 SS 644.4
 CRT .9449 CRS -.9973 CST -.9506
 LSA 2006.4 MSA 199.2 SSA 14.1
 EL1 1909.5 EL2 66.3 ALF 5.79

LAUNCH DATE DEC 19 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 450.649

RL 147.19 LAL -1.00 LOL 86.88 VL 27.183 GAL -3.82 AZL 85.96 MCA 221.32 SMA 124.69 ECC .19201 INC 4.0414 VI 30.269
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.041 GAP 8.38 AZP 93.04 TAL 196.48 TAP 57.80 RCA 100.75 APO 148.63 V2 34.785
 RC 152.629 GL 27.81 GP -6.00 ZAL 114.17 ZAP 160.11 ETS 341.98 ZAE 130.19 ETE 185.33 ZAC 64.52 ETC 159.98 CLP-161.00

PLANETOCENTRIC CONIC

C3 16.792 VHL 4.098 DLA 14.38 RAL 321.74 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 5.731 DPA -21.13 RAP 332.60 ECC 1.2764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 45 2637.20 -27.08 70.05 184.94 98.61 1 49 43 2037.2 -25.61 61.69
 90.00 16 50 27 4353.77 4.98 180.58 179.46 62.09 18 3 1 3753.8 1.21 173.93
 100.00 2 34 47 2350.11 -28.29 48.71 184.72 100.07 3 13 57 1750.1 -26.61 40.31
 100.00 18 4 7 4116.10 6.06 162.51 178.87 60.67 19 12 43 3516.1 2.11 155.96
 110.00 4 0 13 2082.80 -31.48 27.62 183.93 104.07 4 34 55 1482.8 -29.23 19.14
 110.00 18 55 11 3956.18 8.85 148.68 177.17 56.85 20 1 7 3356.2 4.42 142.38

DIFFERENTIAL CORRECTIONS

TOE 1.3458 TRA-1.2551 TC3-4.6574 BAU 1.0465
 ROE .1533 RRA -.0024 RC3 .1983 FAU .05181
 FDE .9358 FRA .0848 FC3-2.6712 BSP 14587
 BDE 1.3545 BRA 1.2551 BC3 4.6617 FSP -723

MID-COURSE EXECUTION ACCURACY

SGT 4625.2 SGR 269.1 SG3 220.6
 RRT -.1694 RRF -.1103 RTF .8973
 SGB 4633.1 R23 -.0428 R13 -.8973
 SG1 4625.5 SG2 265.2 THA 179.43

ORBIT DETERMINATION ACCURACY

ST 1962.0 SR 214.4 SS 648.9
 CRT .9589 CRS -.9968 CST -.9527
 LSA 2068.4 MSA 195.3 SSA 15.2
 EL1 1972.8 EL2 60.6 ALF 5.99

LAUNCH DATE DEC 19 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 456.429

RL 147.19 LAL -1.00 LOL 86.88 VL 27.129 GAL -3.47 AZL 86.03 MCA 224.48 SMA 124.34 ECC .19314 INC 3.9676 VI 30.269
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.001 GAP 8.59 AZP 92.83 TAL 194.77 TAP 59.25 RCA 100.32 APO 148.35 V2 34.784
 RC 154.853 GL 27.59 GP -5.54 ZAL 111.87 ZAP 161.19 ETS 342.46 ZAE 130.16 ETE 184.89 ZAC 66.42 ETC 160.83 CLP-161.99

PLANETOCENTRIC CONIC

C3 16.371 VHL 4.046 DLA 15.04 RAL 324.15 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 5.840 DPA -19.95 RAP 334.60 ECC 1.2694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 9 24 2654.85 -27.25 71.31 187.19 98.00 1 53 38 2054.8 -25.87 62.92
 90.00 17 6 5 4324.49 4.05 178.93 181.61 61.95 18 18 10 3724.5 .26 172.30
 100.00 2 38 54 2366.21 -28.48 49.87 186.98 99.49 3 18 20 1766.2 -26.88 41.44
 100.00 18 19 16 4088.36 5.13 160.98 181.01 60.51 19 27 25 3488.4 1.17 154.43
 110.00 4 5 20 2095.74 -31.69 28.57 186.22 103.54 4 40 16 1495.7 -29.50 20.05
 110.00 19 9 19 3931.60 7.93 147.37 179.30 56.64 20 14 50 3331.6 3.49 141.10

DIFFERENTIAL CORRECTIONS

TOE 1.3893 TRA-1.1444 TC3-4.8571 BAU 1.0641
 ROE .1593 RRA -.0118 RC3 .2132 FAU .04936
 FDE .9162 FRA .1476 FC3-2.6102 BSP 14820
 BDE 1.3984 BRA 1.1445 BC3 4.8618 FSP -701

MID-COURSE EXECUTION ACCURACY

SGT 4704.8 SGR 284.5 SG3 215.0
 RRT -.1535 RRF -.1067 RTF .8962
 SGB 4713.4 R23 -.0317 R13 -.8962
 SG1 4705.0 SG2 281.1 THA 179.47

ORBIT DETERMINATION ACCURACY

ST 2034.2 SR 225.7 SS 656.2
 CRT .9710 CRS -.9948 CST -.9553
 LSA 2140.8 MSA 190.8 SSA 16.2
 EL1 2046.0 EL2 53.6 ALF 6.15

LAUNCH DATE DEC 19 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 462.197

RL 147.19 LAL -1.00 LOL 86.88 VL 27.075 GAL -3.10 AZL 86.10 MCA 227.64 SMA 124.00 ECC .19442 INC 3.9017 VI 30.269
 RP 108.94 LAP -2.88 LOP 314.46 VP 36.961 GAP 8.80 AZP 92.63 TAL 193.05 TAP 60.69 RCA 99.89 APO 148.11 V2 34.785
 RC 157.067 GL 27.36 GP -5.14 ZAL 109.43 ZAP 162.22 ETS 342.83 ZAE 130.14 ETE 184.52 ZAC 68.38 ETC 161.60 CLP-162.96

PLANETOCENTRIC CONIC

C3 16.021 VHL 4.003 DLA 15.77 RAL 326.68 RAD 6567.6 VEL 11.722 PTH 2.07 VHP 5.953 DPA -18.82 RAP 336.62 ECC 1.2637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 45 2676.07 -27.45 72.84 189.64 97.25 1 57 21 2076.1 -26.16 64.41
 90.00 17 22 53 4293.41 3.05 177.19 183.96 61.83 18 34 27 3693.4 -.74 170.56
 100.00 2 42 48 2385.66 -28.69 51.28 189.44 98.77 3 22 34 1785.7 -27.18 42.80
 100.00 18 35 31 4059.06 4.15 159.36 183.35 60.37 19 43 10 3459.1 .17 152.83
 110.00 4 10 24 2111.57 -31.94 29.74 188.72 102.89 4 45 35 1511.6 -29.83 21.16
 110.00 19 24 25 3905.91 6.97 146.00 181.61 56.45 20 29 31 3305.9 2.51 139.75

DIFFERENTIAL CORRECTIONS

TOE 1.4363 TRA-1.0278 TC3-5.0477 BAU 1.0822
 ROE .1654 RRA -.0211 RC3 .2250 FAU .04707
 FDE .8970 FRA .2054 FC3-2.5435 BSP 15103
 BDE 1.4458 BRA 1.0280 BC3 5.0527 FSP -685

MID-COURSE EXECUTION ACCURACY

SGT 4784.6 SGR 299.1 SG3 209.6
 RRT -.1350 RRF -.0998 RTF .8958
 SGB 4793.9 R23 -.0218 R13 -.8958
 SG1 4784.7 SG2 296.4 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 2110.0 SR 237.0 SS 662.8
 CRT .9807 CRS -.9914 CST -.9581
 LSA 2216.5 MSA 185.5 SSA 17.2
 EL1 2122.8 EL2 46.0 ALF 6.29

LAUNCH DATE DEC 19 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 467.952
 RL 147.19 LAL -.00 LOL 86.88 VL 27.021 GAL -2.72 AZL 86.16 MCA 230.80 SMA 123.66 ECC .19588 INC 3.8421 V1 30.269
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.923 GAP 9.01 AZP 92.43 TAL 191.31 TAP 62.11 RCA 99.44 APO 147.89 V2 34.786
 RC 159.265 GL 27.12 GP -4.80 ZAL 106.86 ZAP 163.21 ETS 343.10 ZAE 130.13 ETE 184.20 ZAC 70.40 ETC 162.29 CLP-163.89

PLANETOCENTRIC CONIC

C3 15.742 VML 3.968 DLA 16.54 RAL 329.32 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 6.070 DPA -17.70 RAP 338.67 ECC 1.2591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 53 2700.66 -27.65 74.61 192.30 96.39 2 0 53 2100.7 -26.47 66.14
 90.00 17 40 50 4260.86 2.00 175.38 186.50 61.75 18 51 51 3660.9 -1.79 168.75
 100.00 2 46 34 2408.22 -28.91 52.92 192.12 97.94 3 26 42 1808.2 -27.51 44.39
 100.00 18 52 50 4028.53 3.12 157.68 185.88 60.26 19 59 59 3428.5 -.86 151.15
 110.00 4 15 28 2130.08 -32.21 31.12 191.44 102.12 4 50 58 1530.1 -30.21 22.48
 110.00 19 40 26 3879.44 5.97 144.60 184.11 56.28 20 45 5 3279.4 1.50 138.37

DIFFERENTIAL CORRECTIONS

TDE 1.4880 TRA -.9035 TC3-5.2222 BAU 1.1001 SGT 4862.3 SGR 313.0 SG3 204.5 ST 2190.9 SR 248.4 S5 669.3
 RDE .1717 RRA -.0303 RC3 .2338 FAU .04487 RRT -.1143 RRF -.0896 RTF .8961 CRT .9881 CRS -.9868 CST -.9611
 FDE .8791 FRA .2597 FC3-2.4678 BSP 15390 SGB 4872.4 R23 -.0133 R13 -.8961 LSA 2297.2 MSA 179.5 S5A 18.2
 BDE 1.4979 BRA .9040 BC3 5.2274 FSP -671 SG1 4862.5 SG2 311.0 THA 179.58 EL1 2204.6 EL2 38.0 ALF 6.39

LAUNCH DATE DEC 19 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 473.694
 RL 147.19 LAL -.00 LOL 86.88 VL 26.968 GAL -2.33 AZL 86.21 MCA 233.96 SMA 123.33 ECC .19751 INC 3.7877 V1 30.269
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.886 GAP 9.23 AZP 92.23 TAL 189.57 TAP 63.53 RCA 98.97 APO 147.69 V2 34.786
 RC 161.449 GL 26.85 GP -4.50 ZAL 104.18 ZAP 164.17 ETS 343.27 ZAE 130.14 ETE 183.93 ZAC 72.46 ETC 162.92 CLP-164.81

PLANETOCENTRIC CONIC

C3 15.537 VML 3.942 DLA 17.36 RAL 332.08 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 6.191 DPA -16.60 RAP 340.74 ECC 1.2557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 51 2728.44 -27.84 76.62 195.17 95.40 2 4 20 2128.4 -26.80 68.11
 90.00 17 59 52 4227.16 .92 173.49 189.25 61.70 19 10 19 3627.2 -2.88 166.87
 100.00 2 50 15 2433.72 -29.14 54.78 195.01 96.98 3 30 48 1833.7 -27.87 46.21
 100.00 19 11 10 3997.11 2.06 155.95 188.62 60.17 20 17 47 3397.1 -1.93 149.43
 110.00 4 20 35 2151.06 -32.50 32.69 194.39 101.23 4 56 26 1551.1 -30.61 23.98
 110.00 19 57 19 3852.54 4.95 143.19 186.82 56.13 21 1 31 3252.5 .47 136.97

DIFFERENTIAL CORRECTIONS

TDE 1.5456 TRA -.7691 TC3-5.3724 BAU 1.1171 SGT 4935.3 SGR 326.2 SG3 199.3 ST 2277.5 SR 259.9 S5 676.7
 RDE .1783 RRA -.0391 RC3 .2395 FAU .04268 RRT -.0917 RRF -.0757 RTF .8963 CRT .9933 CRS -.9812 CST -.9641
 FDE .8639 FRA .3135 FC3-2.3784 BSP 15649 SGB 4946.1 R23 -.0069 R13 -.8963 LSA 2383.7 MSA 173.5 S5A 19.1
 BDE 1.5558 BRA .7701 BC3 5.3778 FSP -655 SG1 4935.4 SG2 324.8 THA 179.65 EL1 2292.1 EL2 29.9 ALF 6.47

LAUNCH DATE DEC 19 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 479.423
 RL 147.19 LAL -.00 LOL 86.88 VL 26.915 GAL -1.93 AZL 86.26 MCA 237.12 SMA 123.01 ECC .19933 INC 3.7374 V1 30.269
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.850 GAP 9.45 AZP 92.03 TAL 187.81 TAP 64.93 RCA 98.49 APO 147.53 V2 34.791
 RC 163.619 GL 26.53 GP -4.24 ZAL 101.39 ZAP 165.09 ETS 343.35 ZAE 130.15 ETE 183.70 ZAC 74.56 ETC 163.49 CLP-165.70

PLANETOCENTRIC CONIC

C3 15.410 VML 3.926 DLA 18.21 RAL 334.96 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 6.318 DPA -15.52 RAP 342.82 ECC 1.2536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 43 2759.24 -28.02 78.85 198.25 94.29 2 7 42 2159.2 -27.13 70.30
 90.00 18 19 57 4192.65 -.20 171.57 192.22 61.68 19 29 50 3592.7 -3.98 164.93
 100.00 2 53 54 2461.95 -29.35 56.85 198.12 95.91 3 34 56 1862.0 -28.23 48.23
 100.00 19 30 27 3965.17 .98 154.20 191.56 60.12 20 36 32 3365.2 -3.01 147.67
 110.00 4 25 50 2174.33 -32.79 34.44 197.55 100.23 5 2 4 1574.3 -31.04 25.66
 110.00 20 15 0 3825.56 3.92 141.77 189.72 56.02 21 18 46 3225.6 -.56 135.56

DIFFERENTIAL CORRECTIONS

TDE 1.6106 TRA -.6229 TC3-5.4894 BAU 1.1320 SGT 5001.6 SGR 338.6 SG3 194.2 ST 2371.7 SR 271.5 S5 685.7
 RDE .1854 RRA -.0474 RC3 .2421 FAU .04047 RRT -.0670 RRF -.0578 RTF .8963 CRT .9963 CRS -.9748 CST -.9672
 FDE .8520 FRA .3673 FC3-2.2734 BSP 15831 SGB 5013.0 R23 -.0025 R13 -.8963 LSA 2478.0 MSA 167.9 S5A 19.9
 BDE 1.6212 BRA .6247 BC3 5.4947 FSP -635 SG1 5001.6 SG2 337.9 THA 179.74 EL1 2387.1 EL2 23.1 ALF 6.51

LAUNCH DATE DEC 19 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 485.136
 RL 147.19 LAL -.00 LOL 86.88 VL 26.863 GAL -1.52 AZL 86.31 MCA 240.29 SMA 122.69 ECC .20134 INC 3.6906 V1 30.269
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.816 GAP 9.68 AZP 91.83 TAL 186.04 TAP 66.33 RCA 97.99 APO 147.40 V2 34.794
 RC 165.775 GL 26.17 GP -4.01 ZAL 98.49 ZAP 165.99 ETS 343.34 ZAE 130.17 ETE 183.49 ZAC 76.70 ETC 164.01 CLP-166.57

PLANETOCENTRIC CONIC

C3 15.365 VML 3.920 DLA 19.07 RAL 337.95 RAD 6567.6 VEL 11.694 PTH 2.06 VHP 6.449 DPA -14.44 RAP 344.92 ECC 1.2529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 31 2792.85 -28.16 81.30 201.54 93.07 2 11 3 2192.9 -27.44 72.71
 90.00 18 41 0 4157.73 -1.33 169.62 195.40 61.71 19 50 18 3557.7 -5.10 162.97
 100.00 2 57 35 2492.70 -29.55 59.12 201.44 94.74 3 39 8 1892.7 -28.58 50.45
 100.00 19 50 36 3933.11 -.11 152.44 194.72 60.11 20 56 9 3333.1 -4.09 145.91
 110.00 4 31 15 2199.66 -33.08 36.36 200.93 99.13 5 7 55 1599.7 -31.47 27.50
 110.00 20 33 26 3798.91 2.91 140.38 192.84 55.93 21 36 45 3198.9 -1.58 134.17

DIFFERENTIAL CORRECTIONS

TDE 1.6753 TRA -.4708 TC3-5.5846 BAU 1.1482 SGT 5069.0 SGR 350.2 SG3 189.3 ST 2462.1 SR 283.2 S5 691.0
 RDE .1929 RRA -.0553 RC3 .2414 FAU .03845 RRT -.0427 RRF -.0410 RTF .8975 CRT .9973 CRS -.9678 CST -.9700
 FDE .8374 FRA .4162 FC3-2.1667 BSP 16095 SGB 5081.1 R23 .0024 R13 -.8975 LSA 2567.7 MSA 162.1 S5A 20.6
 BDE 1.6864 BRA .4740 BC3 5.5898 FSP -622 SG1 5069.0 SG2 349.9 THA 179.83 EL1 2478.2 EL2 20.6 ALF 6.54

LAUNCH DATE DEC 19 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 490.834

RL 147.19 LAL -1.00 LOL 86.88 VL 26.812 GAL -1.09 AZL 86.35 MCA 243.45 SMA 122.38 ECC .20358 INC 3.6467 V1 30.269
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.782 GAP 9.92 A7P 91.63 TAL 184.27 TAP 67.72 RCA 97.47 APO 147.29 V2 34.798
 RC 167.915 GL 25.74 GP -3.80 ZAL 95.51 ZAP 166.86 ETS 343.24 ZAE 130.21 ETE 183.32 ZAC 78.87 ETC 164.48 CLP-167.42

PLANETOCENTRIC CONIC

C3 15.408 VHL 3.925 OLA 19.94 RAL 341.04 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 6.587 DPA -13.36 RAP 347.04 ECC 1.2536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 17 2829.09 -28.27 83.95 205.04 91.75 2 14 26 2229.1 -27.73 75.32
 90.00 19 2 56 4122.76 -2.45 167.67 198.80 61.78 20 11 39 3522.8 -6.21 161.00
 100.00 3 1 21 2525.76 -29.71 61.56 204.96 93.46 3 43 27 1925.8 -28.91 52.85
 100.00 20 11 33 3901.33 -1.19 150.69 198.10 60.13 21 16 34 3301.3 -5.16 144.15
 110.00 4 36 54 2226.84 -33.36 38.43 204.54 97.93 5 14 1 1626.8 -31.90 29.50
 110.00 20 52 30 3773.01 1.92 139.02 196.16 55.86 21 55 23 3173.0 -2.57 132.82

DIFFERENTIAL CORRECTIONS

TDE 1.7437 TRA -.3088 TC3-5.6450 BAU 1.1639
 RDE .2011 RRA -.0625 RC3 .2376 FAU .03650
 FDE .8238 FRA .4640 FC3-2.0507 BSP 16352
 BOE 1.7553 BRA .3151 BC3 5.6500 FSP -610

MID-COURSE EXECUTION ACCURACY

SGT 5133.0 SGR 361.0 SG3 184.4
 RRT -.0178 RRF -.0224 RTF .8989
 SGB 5145.7 R23 .0063 R13 -.8989
 SGI 5133.0 SG2 361.0 TMA 179.93

ORBIT DETERMINATION ACCURACY

ST 2552.7 SR 295.0 S5 695.8
 CRT .9966 CRS -.9603 CST -.9727
 LSA 2657.5 MSA 157.0 SSA 21.3
 EL1 2569.6 EL2 24.2 ALF 6.57

LAUNCH DATE DEC 19 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 496.515

RL 147.19 LAL -1.00 LOL 86.88 VL 26.761 GAL -.64 AZL 86.39 MCA 246.61 SMA 122.07 ECC .20604 INC 3.6051 V1 30.269
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.749 GAP 10.16 A7P 91.43 TAL 182.48 TAP 69.10 RCA 96.92 APO 147.23 V2 34.803
 RC 170.040 GL 25.26 GP -3.62 ZAL 92.44 ZAP 167.72 ETS 343.03 ZAE 130.25 ETE 183.18 ZAC 81.06 ETC 164.91 CLP-168.25

PLANETOCENTRIC CONIC

C3 15.547 VHL 3.943 OLA 20.80 RAL 344.24 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 6.730 DPA -12.29 RAP 349.16 ECC 1.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 5 2867.71 -28.32 86.77 208.72 90.33 2 17 53 2267.7 -27.97 78.12
 90.00 19 25 39 4088.18 -3.56 165.74 202.42 61.89 20 33 47 3488.2 -7.30 159.05
 100.00 3 5 15 2560.85 -29.83 64.16 208.69 92.09 3 47 56 1960.8 -29.22 55.41
 100.00 20 33 10 3870.27 -2.24 148.99 201.68 60.18 21 37 40 3270.3 -6.19 142.43
 110.00 4 42 49 2255.60 -33.61 40.64 208.35 96.65 5 20 25 1655.6 -32.32 31.64
 110.00 21 12 6 3748.28 .97 137.73 199.67 55.83 22 14 34 3148.3 -3.52 131.53

DIFFERENTIAL CORRECTIONS

TDE 1.8147 TRA -.1373 TC3-5.6675 BAU 1.1790
 RDE .2100 RRA -.0690 RC3 .2306 FAU .03461
 FDE .8108 FRA .5091 FC3-1.9273 BSP 16596
 BOE 1.8268 BRA .1537 BC3 5.6722 FSP -598

MID-COURSE EXECUTION ACCURACY

SGT 5193.7 SGR 371.0 SG3 179.7
 RRT .0075 RRF -.0024 RTF .9010
 SGB 5206.9 R23 -.0092 R13 .9010
 SGI 5193.7 SG2 371.0 TMA .03

ORBIT DETERMINATION ACCURACY

ST 2641.1 SR 306.9 S5 699.4
 CRT .9944 CRS -.9527 CST -.9752
 LSA 2745.0 MSA 152.5 SSA 21.7
 EL1 2658.7 EL2 32.2 ALF 6.59

LAUNCH DATE DEC 19 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 502.177

RL 147.19 LAL -1.00 LOL 86.88 VL 26.711 GAL -.18 AZL 86.43 MCA 249.78 SMA 121.77 ECC .20875 INC 3.5654 V1 30.269
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.718 GAP 10.42 A7P 91.23 TAL 180.70 TAP 70.47 RCA 96.35 APO 147.19 V2 34.808
 RC 172.148 GL 24.71 GP -3.46 ZAL 89.32 ZAP 168.55 ETS 342.72 ZAE 130.30 ETE 183.05 ZAC 83.28 ETC 165.30 CLP-169.07

PLANETOCENTRIC CONIC

C3 15.789 VHL 3.974 OLA 21.63 RAL 347.53 RAD 6567.6 VEL 11.712 PTH 2.06 VHP 6.881 DPA -11.21 RAP 351.29 ECC 1.2599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 57 2908.46 -28.30 89.75 212.60 88.84 2 21 26 2308.5 -28.16 81.09
 90.00 19 49 1 4054.42 -4.64 163.85 206.24 62.04 20 56 35 3454.4 -8.35 157.13
 100.00 3 9 20 2597.68 -29.89 66.90 212.60 90.65 3 52 38 1997.7 -29.48 58.12
 100.00 20 55 19 3840.43 -3.25 147.35 205.47 60.27 21 59 20 3240.4 -7.19 140.77
 110.00 4 49 4 2285.68 -33.82 42.96 212.36 95.29 5 27 10 1685.7 -32.72 33.90
 110.00 21 32 5 3725.20 .09 136.53 203.39 55.82 22 34 10 3125.2 -4.39 130.32

DIFFERENTIAL CORRECTIONS

TDE 1.8861 TRA .0459 TC3-5.6454 BAU 1.1926
 RDE .2197 RRA -.0745 RC3 .2209 FAU .03273
 FDE .7947 FRA .5563 FC3-1.7947 BSP 16813
 BOE 1.8988 BRA .0875 BC3 5.6498 FSP -587

MID-COURSE EXECUTION ACCURACY

SGT 5246.9 SGR 380.1 SG3 174.8
 RRT .0328 RRF -.0166 RTF .9023
 SGB 5260.7 R23 -.0131 R13 .9023
 SGI 5246.9 SG2 379.9 TMA .14

ORBIT DETERMINATION ACCURACY

ST 2723.0 SR 318.7 S5 698.8
 CRT .9910 CRS -.9443 CST -.9771
 LSA 2825.2 MSA 149.8 SSA 22.0
 EL1 2741.3 EL2 42.3 ALF 6.62

LAUNCH DATE DEC 19 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 507.819

RL 147.19 LAL -1.00 LOL 86.88 VL 26.661 GAL .29 AZL 86.47 MCA 252.94 SMA 121.48 ECC .21172 INC 3.5273 V1 30.269
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.687 GAP 10.69 A7P 91.04 TAL 178.90 TAP 71.85 RCA 95.76 APO 147.20 V2 34.814
 RC 174.239 GL 24.09 GP -3.31 ZAL 86.15 ZAP 169.36 ETS 342.27 ZAE 130.36 ETE 182.94 ZAC 85.52 ETC 165.65 CLP-169.88

PLANETOCENTRIC CONIC

C3 16.145 VHL 4.018 OLA 22.43 RAL 350.89 RAD 6567.6 VEL 11.727 PTH 2.07 VHP 7.039 DPA -10.14 RAP 353.43 ECC 1.2657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 57 2950.98 -28.20 92.86 216.63 87.28 2 25 8 2351.0 -28.28 84.20
 90.00 20 12 52 4022.02 -5.68 162.02 210.26 62.21 21 19 54 3422.0 -9.35 155.27
 100.00 3 13 41 2635.88 -29.88 69.74 216.69 89.16 3 57 37 2035.9 -29.68 60.94
 100.00 21 17 49 3812.35 -4.20 145.80 209.45 60.38 22 21 22 3212.3 -8.11 139.20
 110.00 4 55 41 2316.73 -33.99 45.37 216.56 93.87 5 34 18 1716.7 -33.08 36.25
 110.00 21 52 18 3704.26 -.71 135.44 207.27 55.82 22 54 2 3104.3 -5.19 129.22

DIFFERENTIAL CORRECTIONS

TDE 1.9680 TRA .2459 TC3-5.5696 BAU 1.2030
 RDE .2306 RRA -.0790 RC3 .2089 FAU .03072
 FDE .7900 FRA .6050 FC3-1.6474 BSP 16896
 BOE 1.9815 BRA .2583 BC3 5.5735 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 5296.4 SGR 388.9 SG3 170.5
 RRT .0608 RRF .0449 RTF .9035
 SGB 5310.7 R23 -.0103 R13 .9035
 SGI 5296.5 SG2 388.1 TMA .26

ORBIT DETERMINATION ACCURACY

ST 2811.8 SR 331.0 S5 706.4
 CRT .9866 CRS -.9367 CST -.9794
 LSA 2914.1 MSA 148.2 SSA 22.0
 EL1 2830.7 EL2 53.6 ALF 6.63

LAUNCH DATE DEC 19 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 513.439

RL 147.19 LAL -.00 LOL 86.88 VL 26.612 GAL .79 AZL 86.51 MCA 256.11 SMA 121.19 ECC .21499 INC 3.4905 VI 30.269
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.658 GAP 10.97 A7P 90.84 TAL 177.11 TAP 73.22 RCA 95.13 APO 147.24 V2 34.821
 RC 176.312 GL 23.41 GP -3.18 ZAL 82.95 ZAP 170.15 ETS 341.68 ZAE 130.42 ETE 182.85 ZAC 87.78 ETC 165.97 CLP-170.68

PLANETOCENTRIC CONIC

C3 16.626 VML 4.077 OLA 23.18 RAL 354.32 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 7.206 DPA -9.06 RAP 355.57 ECC 1.2736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 9 2994.91 -28.01 96.06 220.82 85.69 2 29 4 2394.9 -28.32 87.41
 90.00 20 37 0 3991.50 -6.64 160.30 214.46 62.41 21 43 31 3391.5 -10.29 153.52
 100.00 3 18 20 2675.08 -29.81 72.65 220.93 87.63 4 2 55 2075.1 -29.82 63.85
 100.00 21 40 29 3786.56 -5.06 144.38 213.60 60.50 22 43 36 3186.6 -8.96 137.75
 110.00 5 2 44 2348.46 -34.11 47.84 220.93 92.42 5 41 53 1748.5 -33.40 38.67
 110.00 22 12 35 3685.95 -1.41 134.48 211.33 55.84 23 14 1 3085.9 -5.88 128.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0408 TRA .4496 TC3-5.4613 BAU 1.2147 SGT 5341.5 SGR 396.5 SG3 165.6 ST 2878.2 SR 342.8 SS 703.7
 RDE .2425 RRA -.0826 RC3 .1946 FAU .02890 RRT .0866 RRF .0680 RTF .9057 CRT .9816 CRS -.9289 CST -.9812
 FDE .7756 FRA .6473 FC3-1.5048 BSP 17120 SGB 5356.2 R23 -.0109 R13 .9057 LSA 2979.1 MSA 147.2 SSA 21.9
 BDE 2.0552 BRA .4571 BC3 5.4648 FSP -.552 SGI 5341.6 SG2 395.0 THA .37 EL1 2897.9 EL2 65.0 ALF 6.67

LAUNCH DATE DEC 19 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 519.034

RL 147.19 LAL -.00 LOL 86.88 VL 26.564 GAL 1.31 AZL 86.55 MCA 259.28 SMA 120.90 ECC .21856 INC 3.4546 VI 30.269
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.630 GAP 11.26 A7P 90.64 TAL 175.31 TAP 74.59 RCA 94.48 APO 147.33 V2 34.828
 RC 178.366 GL 22.67 GP -3.06 ZAL 79.74 ZAP 170.93 ETS 340.91 ZAE 130.49 ETE 182.77 ZAC 90.06 ETC 166.25 CLP-171.46

PLANETOCENTRIC CONIC

C3 17.245 VML 4.153 OLA 23.87 RAL 357.79 RAD 6567.7 VEL 11.774 PTH 2.08 VHP 7.383 DPA -7.99 RAP 357.72 ECC 1.2838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 36 3039.81 -27.74 99.32 225.13 84.08 2 33 16 2439.8 -28.27 90.69
 90.00 21 1 12 3963.43 -7.52 158.71 218.82 62.62 22 7 16 3363.4 -11.13 151.89
 100.00 3 23 24 2714.81 -29.66 75.59 225.31 86.09 4 8 39 2114.8 -29.89 66.80
 100.00 22 3 6 3763.66 -5.83 143.11 217.90 60.63 23 5 49 3163.7 -9.70 136.46
 110.00 5 10 15 2380.51 -34.17 50.34 225.45 90.94 5 49 56 1780.5 -33.66 41.14
 110.00 22 32 44 3670.73 -1.99 133.69 215.52 55.87 23 33 54 3070.7 -6.46 127.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1187 TRA .6709 TC3-5.3040 BAU 1.2235 SGT 5382.9 SGR 403.4 SG3 161.2 ST 2941.9 SR 354.7 SS 702.6
 RDE .2555 RRA -.0848 RC3 .1787 FAU .02708 RRT .1139 RRF .0938 RTF .9077 CRT .9760 CRS -.9211 CST -.9828
 FDE .7649 FRA .6932 FC3-1.3596 BSP 17212 SGB 5397.9 R23 -.0102 R13 .9077 LSA 3041.7 MSA 148.0 SSA 21.5
 BDE 2.1340 BRA .6762 BC3 5.3070 FSP -.534 SGI 5383.0 SG2 400.7 THA .49 EL1 2962.2 EL2 76.7 ALF 6.72

LAUNCH DATE DEC 19 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 524.601

RL 147.19 LAL -.00 LOL 86.88 VL 26.516 GAL 1.85 AZL 86.58 MCA 262.45 SMA 120.62 ECC .22247 INC 3.4195 VI 30.269
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.603 GAP 11.57 A7P 90.45 TAL 173.51 TAP 75.96 RCA 93.79 APO 147.46 V2 34.836
 RC 180.400 GL 21.86 GP -2.95 ZAL 76.54 ZAP 171.70 ETS 339.92 ZAE 130.56 ETE 182.70 ZAC 92.35 ETC 166.50 CLP-172.24

PLANETOCENTRIC CONIC

C3 18.018 VML 4.245 OLA 24.50 RAL 1.28 RAD 6567.7 VEL 11.807 PTH 2.09 VHP 7.569 DPA -6.91 RAP 359.88 ECC 1.2965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 25 3085.13 -27.38 102.58 229.54 82.48 2 37 50 2485.1 -28.14 94.00
 90.00 21 25 13 3938.48 -8.30 157.29 223.31 62.83 22 30 51 3338.5 -11.88 150.44
 100.00 3 28 56 2754.59 -29.44 78.53 229.81 84.56 4 14 51 2154.6 -29.88 69.75
 100.00 22 25 23 3744.25 -6.48 142.03 222.33 60.75 23 27 47 3144.3 -10.33 135.36
 110.00 5 18 16 2412.53 -34.18 52.84 230.10 89.46 5 58 29 1812.5 -33.88 43.61
 110.00 22 52 32 3659.08 -2.44 133.08 219.83 55.89 23 53 31 3059.1 -6.90 126.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1902 TRA .9000 TC3-5.1175 BAU 1.2333 SGT 5421.9 SGR 409.3 SG3 156.8 ST 2986.2 SR 366.1 SS 697.2
 RDE .2697 RRA -.0859 RC3 .1614 FAU .02540 RRT .1400 RRF .1186 RTF .9103 CRT .9700 CRS -.9135 CST -.9842
 FDE .7512 FRA .7358 FC3-1.2206 BSP 17396 SGB 5437.3 R23 -.0097 R13 .9103 LSA 3084.6 MSA 149.7 SSA 21.0
 BDE 2.2068 BRA .9041 BC3 5.1200 FSP -.522 SGI 5422.2 SG2 405.2 THA .61 EL1 3007.3 EL2 88.3 ALF 6.79

LAUNCH DATE DEC 19 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 530.136

RL 147.19 LAL -.00 LOL 86.88 VL 26.469 GAL 2.41 AZL 86.62 MCA 265.62 SMA 120.35 ECC .22675 INC 3.3848 VI 30.269
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.577 GAP 11.90 A7P 90.26 TAL 171.72 TAP 77.34 RCA 93.06 APO 147.64 V2 34.845
 RC 182.414 GL 21.01 GP -2.86 ZAL 73.37 ZAP 172.45 ETS 338.65 ZAE 130.64 ETE 182.65 ZAC 94.65 ETC 166.72 CLP-173.01

PLANETOCENTRIC CONIC

C3 18.963 VML 4.355 OLA 25.05 RAL 4.76 RAD 6567.8 VEL 11.847 PTH 2.10 VHP 7.768 DPA -5.84 RAP 2.03 ECC 1.3121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 43 3130.28 -26.94 105.81 234.04 80.92 2 42 53 2530.3 -27.92 97.29
 90.00 21 48 45 3917.31 -8.96 156.08 227.92 63.03 22 54 2 3317.3 -12.51 149.20
 100.00 3 35 3 2793.89 -29.15 81.42 234.39 83.06 4 21 37 2193.9 -29.80 72.67
 100.00 22 47 6 3728.93 -6.99 141.18 226.85 60.86 23 49 15 3128.9 -10.82 134.49
 110.00 5 26 50 2444.20 -34.13 55.32 234.85 87.99 6 7 34 1844.2 -34.03 46.07
 110.00 23 11 49 3651.39 -2.73 132.68 224.23 55.91 24 12 40 3051.4 -7.18 126.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2597 TRA 1.1427 TC3-4.8955 BAU 1.2417 SGT 5456.5 SGR 414.4 SG3 152.5 ST 3017.3 SR 376.9 SS 690.0
 RDE .2850 RRA -.0856 RC3 .1434 FAU .02378 RRT .1663 RRF .1437 RTF .9131 CRT .9637 CRS -.9059 CST -.9854
 FDE .7373 FRA .7789 FC3-1.0856 BSP 17548 SGB 5472.2 R23 -.0092 R13 .9131 LSA 3114.2 MSA 152.6 SSA 20.4
 BDE 2.2776 BRA 1.1459 BC3 4.8976 FSP -.510 SGI 5456.9 SG2 408.6 THA .73 EL1 3039.1 EL2 99.8 ALF 6.87

LAUNCH DATE DEC 19 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 535.636

RL 147.19 LAL -0.00 LOL 86.88 VL 26.422 GAL 3.00 AZL 86.65 HCA 268.79 SMA 120.08 ECC .23143 INC 3.3505 V1 30.269
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.552 GAP 12.25 AZP 90.07 TAL 169.93 TAP 78.72 RCA 92.29 APO 147.87 V2 34.854
 RC 184.407 GL 20.12 GP -2.77 ZAL 70.24 ZAP 173.19 ETS 337.03 ZAE 130.71 ETE 182.60 ZAC 96.96 ETC 166.91 CLP-173.78

PLANETOCENTRIC CONIC

C3 20.103 VHL 4.484 OLA 25.52 RAL 8.23 RAD 6567.8 VEL 11.895 PTH 2.11 VHP 7.979 DPA -4.76 RAP 4.20 ECC 1.3308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 38 3174.59 -26.42 108.96 238.59 79.42 2 48 32 2574.6 -27.61 100.49
 90.00 22 11 30 3900.64 -9.47 155.12 232.59 63.19 23 16 30 3300.6 -13.00 148.22
 100.00 3 41 50 2832.20 -28.80 84.21 239.04 81.63 4 29 2 2232.2 -29.66 75.51
 100.00 23 7 58 3718.27 -7.34 140.58 231.45 60.94 24 9 57 3118.3 -11.16 133.88
 110.00 5 35 55 2475.24 -34.03 57.74 239.67 86.57 6 17 11 1875.2 -34.13 48.49
 110.00 23 30 22 3647.99 -2.86 132.50 228.69 55.92 24 31 10 3048.0 -7.31 126.24

DIFFERENTIAL CORRECTIONS

TDE 2.3257 TRA 1.3982 TC3-4.6449 BAU 1.2488
 RDE .3015 RRA -.0838 RC3 .1253 FAU .02221
 FDE .7231 FRA .8215 FC3 -.9564 BSP 17708
 BDE 2.3452 BRA 1.4007 BC3 4.6465 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 5486.5 SGR 418.6 SG3 148.2
 RRT .1925 RRF .1693 RTF .9161
 SGB 5502.4 R23 -.0082 R13 .9161
 SG1 5487.1 SG2 410.7 THA .85

ORBIT DETERMINATION ACCURACY

ST 3033.4 SR 387.0 SS 681.2
 CRT .9572 CRS -.8984 CST -.9865
 LSA 3128.9 MSA 156.4 SSA 19.7
 EL1 3055.9 EL2 111.2 ALF 6.97

LAUNCH DATE DEC 19 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 541.096

RL 147.19 LAL -0.00 LOL 86.88 VL 26.376 GAL 3.62 AZL 86.68 HCA 271.97 SMA 119.82 ECC .23655 INC 3.3162 V1 30.269
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.528 GAP 12.62 AZP 89.89 TAL 168.15 TAP 80.11 RCA 91.48 APO 148.16 V2 34.863
 RC 186.379 GL 19.19 GP -2.69 ZAL 67.17 ZAP 173.91 ETS 334.92 ZAE 130.79 ETE 182.56 ZAC 99.28 ETC 167.07 CLP-174.54

PLANETOCENTRIC CONIC

C3 21.461 VHL 4.633 OLA 25.92 RAL 11.65 RAD 6567.9 VEL 11.952 PTH 2.13 VHP 8.204 DPA -3.69 RAP 6.36 ECC 1.3532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 19 3217.32 -25.85 111.96 243.20 78.02 2 54 56 2617.3 -27.24 103.56
 90.00 22 33 7 3889.25 -9.82 154.47 237.31 63.31 23 37 56 3289.3 -13.33 147.55
 100.00 3 49 21 2869.00 -28.41 86.88 243.75 80.28 4 37 10 2269.0 -29.46 78.23
 100.00 23 27 46 3712.80 -7.52 140.28 236.08 60.98 24 29 39 3112.8 -11.33 133.57
 110.00 5 45 34 2505.42 -33.88 60.08 244.56 85.19 6 27 19 1905.4 -34.18 50.85
 110.00 23 48 3 3649.15 -2.81 132.56 233.18 55.92 24 48 52 3049.1 -7.27 126.30

DIFFERENTIAL CORRECTIONS

TDE 2.3890 TRA 1.6685 TC3-4.3688 BAU 1.2538
 RDE .3192 RRA -.0805 RC3 .1075 FAU .02066
 FDE .7092 FRA .8649 FC3 -.8333 BSP 17837
 BDE 2.4102 BRA 1.6705 BC3 4.3701 FSP -486

MID-COURSE EXECUTION ACCURACY

SGT 5511.7 SGR 421.9 SG3 144.1
 RRT .2189 RRF .1957 RTF .9190
 SGB 5527.8 R23 -.0068 R13 .9190
 SG1 5512.5 SG2 411.6 THA .97

ORBIT DETERMINATION ACCURACY

ST 3036.3 SR 396.1 SS 671.4
 CRT .9504 CRS -.8910 CST -.9875
 LSA 3130.5 MSA 161.0 SSA 18.9
 EL1 3059.6 EL2 122.3 ALF 7.08

LAUNCH DATE DEC 19 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 546.511

RL 147.19 LAL -0.00 LOL 86.88 VL 26.331 GAL 4.27 AZL 86.72 HCA 275.14 SMA 119.56 ECC .24216 INC 3.2817 V1 30.269
 RP 108.67 LAP -3.27 LOP 360.05 VP 36.505 GAP 13.02 AZP 89.71 TAL 166.37 TAP 81.52 RCA 90.61 APO 148.51 V2 34.873
 RC 188.330 GL 18.24 GP -2.61 ZAL 64.18 ZAP 174.62 ETS 332.16 ZAE 130.86 ETE 182.53 ZAC 101.60 ETC 167.19 CLP-175.30

PLANETOCENTRIC CONIC

C3 23.068 VHL 4.803 OLA 26.22 RAL 15.01 RAD 6567.9 VEL 12.019 PTH 2.15 VHP 8.446 DPA -2.63 RAP 8.53 ECC 1.3796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 57 3257.66 -25.25 114.76 247.83 76.74 3 2 15 2657.7 -26.83 106.44
 90.00 22 53 18 3883.91 -9.98 154.16 242.04 63.36 23 58 1 3283.9 -13.48 147.23
 100.00 3 57 42 2903.85 -27.98 89.38 248.49 79.03 4 46 6 2303.8 -29.21 80.79
 100.00 23 46 14 3712.96 -7.51 140.29 240.72 60.98 24 48 7 3113.0 -11.33 133.57
 110.00 5 55 43 2534.56 -33.69 62.33 249.49 83.86 6 37 58 1934.6 -34.18 53.12
 110.00 0 8 37 3655.01 -2.59 132.87 237.69 55.90 1 9 32 3055.0 -7.05 126.62

DIFFERENTIAL CORRECTIONS

TDE 2.4515 TRA 1.9571 TC3-4.0707 BAU 1.2557
 RDE .3379 RRA -.0755 RC3 .0906 FAU .01912
 FDE .6964 FRA .9100 FC3 -.7174 BSP 17896
 BDE 2.4747 BRA 1.9585 BC3 4.0717 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 5533.2 SGR 424.4 SG3 140.1
 RRT .2458 RRF .2229 RTF .9221
 SGB 5549.4 R23 -.0051 R13 .9221
 SG1 5534.2 SG2 411.3 THA 1.09

ORBIT DETERMINATION ACCURACY

ST 3029.2 SR 404.2 SS 661.8
 CRT .9433 CRS -.8836 CST -.9885
 LSA 3122.4 MSA 166.3 SSA 18.1
 EL1 3053.1 EL2 133.1 ALF 7.19

LAUNCH DATE DEC 19 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 551.872

RL 147.19 LAL -0.00 LOL 86.88 VL 26.286 GAL 4.95 AZL 86.75 HCA 278.32 SMA 119.31 ECC .24830 INC 3.2469 V1 30.269
 RP 108.63 LAP -3.21 LOP 364.82 VP 36.482 GAP 13.45 AZP 89.53 TAL 164.61 TAP 82.93 RCA 89.68 APO 148.93 V2 34.884
 RC 190.259 GL 17.27 GP -2.55 ZAL 61.27 ZAP 175.31 ETS 328.46 ZAE 130.93 ETE 182.50 ZAC 103.92 ETC 167.29 CLP-176.06

PLANETOCENTRIC CONIC

C3 24.960 VHL 4.996 OLA 26.45 RAL 18.29 RAD 6568.0 VEL 12.097 PTH 2.17 VHP 8.706 DPA -1.57 RAP 10.70 ECC 1.4108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 42 3294.85 -24.65 117.31 252.49 75.60 3 10 37 2694.8 -26.39 109.08
 90.00 23 11 41 3885.34 -9.94 154.24 246.74 63.35 24 16 27 3285.3 -13.44 147.31
 100.00 4 6 54 2936.37 -27.54 91.69 253.24 77.89 4 55 51 2336.4 -28.93 83.17
 100.00 0 7 6 3719.05 -7.31 140.63 245.34 60.94 1 9 6 3119.1 -11.13 133.92
 110.00 6 6 22 2562.57 -33.47 64.49 254.43 82.61 6 49 5 1962.6 -34.13 55.31
 110.00 0 24 8 3665.62 -2.19 133.42 242.17 55.88 1 25 14 3065.6 -6.65 127.18

DIFFERENTIAL CORRECTIONS

TDE 2.5069 TRA 2.2588 TC3-3.7663 BAU 1.2570
 RDE .3575 RRA -.0688 RC3 .0747 FAU .01767
 FDE .6824 FRA .9547 FC3 -.6131 BSP 18005
 BDE 2.5322 BRA 2.2598 BC3 3.7670 FSP -460

MID-COURSE EXECUTION ACCURACY

SGT 5549.7 SGR 425.9 SG3 136.2
 RRT .2719 RRF .2494 RTF .9255
 SGB 5566.0 R23 -.0038 R13 .9255
 SG1 5550.9 SG2 409.8 THA 1.20

ORBIT DETERMINATION ACCURACY

ST 3005.3 SR 410.8 SS 650.3
 CRT .9359 CRS -.8759 CST -.9894
 LSA 3097.3 MSA 172.0 SSA 17.3
 EL1 3029.8 EL2 143.6 ALF 7.31

LAUNCH DATE DEC 19 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 557.171

RL 147.19 LAL -0.00 LOL 86.88 VL 26.242 GAL 5.67 AZL 86.79 HCA 281.50 SMA 119.06 ECC .25503 INC 3.2115 V1 30.269
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.461 GAP 13.91 AZP 89.36 TAL 162.87 TAP 84.37 RCA 88.70 APO 149.42 V2 34.895
 RC 192.167 GL 16.30 GP -2.48 ZAL 58.47 ZAP 175.97 ETS 323.37 ZAE 130.99 ETE 182.48 ZAC 106.25 ETC 167.35 CLP-176.83

PLANETOCENTRIC CONIC

C3 27.178 VML 5.213 DLA 26.60 RAL 21.47 RAD 6568.1 VEL 12.188 PTH 2.19 VHP 8.985 OPA -.51 RAP 12.87 ECC 1.4473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 43 3328.23 -24.06 119.58 257.15 74.60 3 20 11 2728.2 -25.94 111.42
 90.00 23 28 3 3894.10 -9.67 154.75 251.38 63.26 24 32 57 3294.1 -13.19 147.83
 100.00 4 16 58 2966.33 -27.09 93.81 258.01 76.86 5 6 25 2366.3 -28.63 85.34
 100.00 0 22 25 3731.23 -6.91 141.31 249.90 60.85 1 24 36 3131.2 -10.75 134.62
 110.00 6 17 26 2589.41 -33.22 66.54 259.37 81.42 7 0 35 1989.4 -34.04 57.40
 110.00 0 38 26 3680.92 -1.60 134.22 246.62 55.85 1 39 47 3080.9 -6.07 127.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5592 TRA 2.5777 TC3-3.4564 BAU 1.2561 SGT 5562.1 SGR 426.5 SG3 132.3 ST 2970.9 SR 415.9 SS 638.7
 RDE .3779 RRA -.0603 RC3 .0602 FAU .01629 RRT .2981 RRF .2760 RTF .9290 CRT .9281 CRS -.8683 CST -.9902
 FDE .6690 FRA 1.0005 FC3 -.5188 BSP 18107 SGB 5578.5 R23 -.0026 R13 .9290 LSA 3061.9 MSA 177.9 SSA 16.5
 BDE 2.5869 BRA 2.5784 BC3 3.4570 FSP -448 SGI 5563.6 SG2 407.0 THA 1.32 EL1 2995.9 EL2 153.6 ALF 7.42

LAUNCH DATE DEC 19 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 562.400

RL 147.19 LAL -0.00 LOL 86.88 VL 26.199 GAL 6.44 AZL 86.82 HCA 284.68 SMA 118.82 ECC .26241 INC 3.1753 V1 30.269
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.441 GAP 14.40 AZP 89.19 TAL 161.15 TAP 85.83 RCA 87.64 APO 150.00 V2 34.906
 RC 194.054 GL 15.32 GP -2.43 ZAL 55.77 ZAP 176.59 ETS 316.20 ZAE 131.05 ETE 182.46 ZAC 108.57 ETC 167.38 CLP-177.60

PLANETOCENTRIC CONIC

C3 29.775 VML 5.457 DLA 26.68 RAL 24.54 RAD 6568.2 VEL 12.294 PTH 2.21 VHP 9.288 DPA .53 RAP 15.04 ECC 1.4900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 2 3357.45 -23.52 121.55 261.83 73.76 3 30 59 2757.4 -25.52 113.46
 90.00 23 42 13 3910.44 -9.17 155.69 255.94 63.09 24 47 24 3310.4 -12.71 148.79
 100.00 4 27 52 2993.69 -26.65 95.72 262.77 75.94 5 17 45 2393.7 -28.32 87.32
 100.00 0 36 0 3749.43 -6.30 142.32 254.40 60.72 1 38 29 3149.4 -10.16 133.65
 110.00 6 28 51 2615.14 -32.94 68.50 264.29 80.29 7 12 26 2015.1 -33.93 59.40
 110.00 0 51 30 3700.75 -1.84 135.25 251.02 55.83 1 53 11 3100.8 -5.32 129.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6122 TRA 2.9197 TC3-3.1401 BAU 1.2501 SGT 5571.2 SGR 426.3 SG3 128.7 ST 2931.4 SR 419.5 SS 628.7
 RDE .3991 RRA -.0498 RC3 .0473 FAU .01486 RRT .3250 RRF .3036 RTF .9326 CRT .9200 CRS -.8607 CST -.9910
 FDE .6575 FRA 1.0494 FC3 -.4321 BSP 18095 SGB 5587.5 R23 -.0011 R13 .9326 LSA 3021.7 MSA 183.8 SSA 15.7
 BDE 2.6425 BRA 2.9201 BC3 3.1405 FSP -434 SGI 5572.9 SG2 403.0 THA 1.43 EL1 2956.8 EL2 163.0 ALF 7.52

LAUNCH DATE DEC 19 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 567.544

RL 147.19 LAL -0.00 LOL 86.88 VL 26.156 GAL 7.25 AZL 86.86 HCA 287.87 SMA 118.58 ECC .27053 INC 3.1379 V1 30.269
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.422 GAP 14.94 AZP 89.04 TAL 159.45 TAP 87.32 RCA 86.50 APO 150.66 V2 34.918
 RC 195.918 GL 14.36 GP -2.38 ZAL 53.18 ZAP 177.13 ETS 305.89 ZAE 131.10 ETE 182.45 ZAC 110.88 ETC 167.38 CLP-178.39

PLANETOCENTRIC CONIC

C3 32.811 VML 5.728 DLA 26.69 RAL 27.48 RAD 6568.3 VEL 12.417 PTH 2.24 VHP 9.616 OPA 1.56 RAP 17.21 ECC 1.5400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 36 3382.45 -23.03 123.23 266.51 73.06 3 42 58 2782.5 -25.14 115.19
 90.00 23 54 9 3934.25 -8.43 157.05 260.39 62.87 24 59 43 3334.2 -12.01 150.19
 100.00 4 39 29 3018.52 -26.23 97.45 267.51 75.13 5 29 48 2418.5 -28.02 89.10
 100.00 0 47 52 3773.41 -5.50 143.65 258.80 60.57 1 50 46 3173.4 -9.38 137.01
 110.00 6 40 31 2639.81 -32.64 70.36 269.18 79.23 7 24 31 2039.8 -33.78 61.31
 110.00 1 3 20 3724.89 .08 136.51 255.34 55.82 2 5 25 3124.9 -4.41 130.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6581 TRA 3.2772 TC3-2.8349 BAU 1.2436 SGT 5574.7 SGR 425.0 SG3 125.1 ST 2879.2 SR 421.1 SS 617.6
 RDE .4208 RRA -.0375 RC3 .0360 FAU .01357 RRT .3509 RRF .3301 RTF .9365 CRT .9115 CRS -.8528 CST -.9918
 FDE .6451 FRA 1.0984 FC3 -.3581 BSP 18191 SGB 5590.8 R23 -.0003 R13 .9365 LSA 2968.6 MSA 189.6 SSA 15.0
 BDE 2.6912 BRA 3.2774 BC3 2.8351 FSP -424 SGI 5576.7 SG2 397.9 THA 1.54 EL1 2904.8 EL2 171.7 ALF 7.62

LAUNCH DATE DEC 19 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 572.590

RL 147.19 LAL -0.00 LOL 86.88 VL 26.114 GAL 8.11 AZL 86.90 HCA 291.05 SMA 118.35 ECC .27948 INC 3.0992 V1 30.269
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.403 GAP 15.53 AZP 88.89 TAL 157.79 TAP 88.84 RCA 85.27 APO 151.43 V2 34.930
 RC 197.761 GL 13.40 GP -2.33 ZAL 50.72 ZAP 177.53 ETS 291.25 ZAE 131.13 ETE 182.44 ZAC 113.19 ETC 167.34 CLP-179.18

PLANETOCENTRIC CONIC

C3 36.362 VML 6.030 DLA 26.63 RAL 30.30 RAD 6568.4 VEL 12.559 PTH 2.28 VHP 9.973 DPA 2.58 RAP 19.37 ECC 1.5984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 15 3403.60 -22.61 124.63 271.17 72.48 3 55 58 2803.6 -24.79 116.64
 90.00 0 7 51 3964.98 -7.48 158.80 264.72 62.61 1 13 56 3365.0 -11.09 151.98
 100.00 4 51 42 3041.06 -25.83 99.00 272.22 74.41 5 42 23 2441.1 -27.72 90.71
 100.00 0 58 5 3802.75 -4.52 145.27 263.11 60.42 2 1 28 3202.8 -8.43 138.66
 110.00 6 52 21 2663.57 -32.32 72.14 274.03 78.22 7 36 44 2063.6 -33.61 63.15
 110.00 1 13 56 3753.01 1.16 137.98 259.58 55.83 2 16 29 3153.0 -3.34 131.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7022 TRA 3.6578 TC3-2.5366 BAU 1.2332 SGT 5573.7 SGR 422.9 SG3 121.6 ST 2821.5 SR 421.0 SS 607.6
 RDE .4430 RRA -.0231 RC3 .0263 FAU .01230 RRT .3769 RRF .3567 RTF .9405 CRT .9025 CRS -.8448 CST -.9926
 FDE .6338 FRA 1.1499 FC3 -.2929 BSP 18258 SGB 5589.7 R23 .0005 R13 .9405 LSA 2910.2 MSA 195.0 SSA 14.3
 BDE 2.7383 BRA 3.6579 BC3 2.5367 FSP -413 SGI 5576.0 SG2 391.5 THA 1.65 EL1 2847.1 EL2 179.7 ALF 7.70

LAUNCH DATE DEC 19 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -.00 LOL 86.88 VL 26.073 GAL 9.04 AZL 86.94 MCA 294.24 SMA 118.12 ECC .28935 INC 3.0588 V1 30.269
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.385 GAP 16.17 AZP 88.74 TAL 156.16 TAP 90.40 RCA 83.95 APO 152.30 V2 34.942
 RC 199.580 GL 12.47 GP -2.29 ZAL 48.37 ZAP 177.71 ETS 272.27 ZAE 131.14 ETE 182.43 ZAC 115.48 ETC 167.26 CLP -179.99

PLANETOCENTRIC CONIC
 C3 40.520 VHL 6.366 DLA 26.52 RAL 32.97 RAD 6568.6 VEL 12.723 PTH 2.31 VHP 10.363 DPA 3.58 RAP 21.53 ECC 1.6669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 44 3421.48 -22.24 125.81 275.81 72.00 4 9 46 2821.5 -24.49 117.86
 90.00 0 15 41 4001.82 -6.32 160.88 268.92 62.34 1 22 23 3401.8 -9.97 154.11
 100.00 5 4 22 3061.61 -25.45 100.41 276.89 73.76 5 55 24 2461.6 -27.43 92.17
 100.00 1 6 45 3836.92 -3.37 147.16 267.30 60.28 2 10 41 3236.9 -7.30 140.57
 110.00 7 4 15 2686.52 -31.99 73.85 278.82 77.26 7 49 1 2086.5 -33.41 64.91
 110.00 1 23 21 3784.76 2.37 139.64 263.73 55.89 2 26 26 3184.8 -2.12 133.43

MID-COURSE EXECUTION ACCURACY
 SGT 5571.4 SGR 419.9 SG3 118.3 ST 2767.1 SR 419.2 SS 599.0
 RRT .4040 RRF .3834 RTF .9446 CRT .8938 CRS -.8368 CST -.9932
 SGB 5587.2 R23 -.0001 R13 .9446 LSA 2855.0 MSA 199.7 SSA 13.6
 SGI 5574.0 SG2 384.0 TMA 1.75 ELI 2792.4 EL2 186.3 ALF 7.75

ORBIT DETERMINATION ACCURACY
 ST 2767.1 SR 419.2 SS 599.0
 CRT .8938 CRS -.8368 CST -.9932
 LSA 2855.0 MSA 199.7 SSA 13.6
 ELI 2792.4 EL2 186.3 ALF 7.75

DIFFERENTIAL CORRECTIONS
 TDE 2.7545 TRA 4.0620 TC3-2.2492 BAU 1.2185
 RDE .4658 RRA -.0066 RC3 .0184 FAU .01106
 FDE .6239 FRA 1.2045 FC3 -.2363 BSP 18323
 BDE 2.7936 BRA 4.0620 BC3 2.2493 FSP -403

LAUNCH DATE DEC 19 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -.00 LOL 86.88 VL 26.033 GAL 10.03 AZL 86.98 MCA 297.43 SMA 117.90 ECC .30026 INC 3.0162 V1 30.269
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.369 GAP 16.87 AZP 88.61 TAL 154.57 TAP 92.01 RCA 82.50 APO 153.31 V2 34.955
 RC 201.376 GL 11.55 GP -2.25 ZAL 46.16 ZAP 177.61 ETS 252.15 ZAE 131.14 ETE 182.42 ZAC 117.75 ETC 167.15 CLP 179.19

PLANETOCENTRIC CONIC
 C3 45.399 VHL 6.738 DLA 26.35 RAL 35.50 RAD 6568.7 VEL 12.914 PTH 2.35 VHP 10.791 DPA 4.56 RAP 23.69 ECC 1.7472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 47 3436.81 -21.91 126.81 280.40 71.60 4 24 4 2836.8 -24.22 118.91
 90.00 0 21 48 4043.77 -4.98 163.25 272.99 62.09 1 29 12 3443.8 -8.68 156.52
 100.00 5 17 18 3080.52 -25.08 101.69 281.50 73.18 6 8 39 2480.5 -27.14 93.50
 100.00 1 13 58 3875.30 -2.07 149.27 271.39 60.17 2 18 33 3275.3 -6.03 142.71
 110.00 7 16 6 2708.81 -31.64 75.50 283.53 76.34 8 1 15 2108.8 -33.20 66.61
 110.00 1 31 39 3819.77 3.70 141.47 267.79 55.99 2 35 19 3219.8 -7.79 135.26

MID-COURSE EXECUTION ACCURACY
 SGT 5562.5 SGR 415.9 SG3 115.1 ST 2701.1 SR 415.4 SS 593.0
 RRT .4294 RRF .4108 RTF .9489 CRT .8838 CRS -.8293 CST -.9941
 SGB 5578.0 R23 .0016 R13 .9489 LSA 2788.9 MSA 203.9 SSA 13.0
 SGI 5565.3 SG2 375.4 TMA 1.85 ELI 2726.0 EL2 192.6 ALF 7.78

ORBIT DETERMINATION ACCURACY
 ST 2701.1 SR 415.4 SS 593.0
 CRT .8838 CRS -.8293 CST -.9941
 LSA 2788.9 MSA 203.9 SSA 13.0
 ELI 2726.0 EL2 192.6 ALF 7.78

DIFFERENTIAL CORRECTIONS
 TDE 2.7949 TRA 4.4997 TC3-1.9717 BAU 1.1967
 RDE .4885 RRA .0123 RC3 .0122 FAU .00978
 FDE .6167 FRA 1.2637 FC3 -.1865 BSP 18256
 BDE 2.8373 BRA 4.4998 BC3 1.9717 FSP -390

LAUNCH DATE DEC 19 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -.00 LOL 86.88 VL 25.994 GAL 11.10 AZL 87.03 MCA 300.62 SMA 117.69 ECC .31236 INC 2.9711 V1 30.269
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.353 GAP 17.64 AZP 88.49 TAL 153.05 TAP 93.67 RCA 80.93 APO 154.45 V2 34.968
 RC 203.147 GL 10.65 GP -2.21 ZAL 44.07 ZAP 177.23 ETS 235.17 ZAE 131.10 ETE 182.41 ZAC 120.00 ETC 166.99 CLP 178.34

PLANETOCENTRIC CONIC
 C3 51.141 VHL 7.151 DLA 26.14 RAL 37.87 RAD 6568.9 VEL 13.134 PTH 2.40 VHP 11.263 DPA 5.53 RAP 25.83 ECC 1.8417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 8 3450.26 -21.62 127.69 284.93 71.25 4 38 38 2850.3 -23.98 119.82
 90.00 0 26 26 4089.89 -3.51 165.83 276.93 61.88 1 34 36 3489.9 -7.24 159.14
 100.00 5 30 22 3098.10 -24.73 102.88 286.03 72.65 6 22 0 2498.1 -26.87 94.74
 100.00 1 19 53 3917.27 -.65 151.57 275.35 60.11 2 25 10 3317.3 -4.62 145.03
 110.00 7 27 51 2730.50 -31.28 77.09 288.15 75.46 8 13 21 2130.5 -32.96 68.26
 110.00 1 38 53 3857.64 5.14 143.45 271.75 56.16 2 43 11 3257.6 .66 137.23

MID-COURSE EXECUTION ACCURACY
 SGT 5548.9 SGR 411.0 SG3 112.0 ST 2635.6 SR 409.9 SS 587.5
 RRT .4552 RRF .4373 RTF .9533 CRT .8739 CRS -.8214 CST -.9949
 SGB 5564.1 R23 .0017 R13 .9533 LSA 2723.3 MSA 207.1 SSA 12.4
 SGI 5552.1 SG2 365.7 TMA 1.94 ELI 2660.0 EL2 197.4 ALF 7.78

ORBIT DETERMINATION ACCURACY
 ST 2635.6 SR 409.9 SS 587.5
 CRT .8739 CRS -.8214 CST -.9949
 LSA 2723.3 MSA 207.1 SSA 12.4
 ELI 2660.0 EL2 197.4 ALF 7.78

DIFFERENTIAL CORRECTIONS
 TDE 2.8396 TRA 4.9621 TC3-1.7131 BAU 1.1713
 RDE .5114 RRA .0332 RC3 .0073 FAU .00858
 FDE .6095 FRA 1.3255 FC3 -.1452 BSP 18301
 BDE 2.8853 BRA 4.9622 BC3 1.7132 FSP -380

LAUNCH DATE DEC 19 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC
 RL 147.19 LAL -.00 LOL 86.88 VL 25.955 GAL 12.26 AZL 87.08 MCA 303.82 SMA 117.48 ECC .32582 INC 2.9228 V1 30.269
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.338 GAP 18.50 AZP 88.37 TAL 151.58 TAP 95.40 RCA 79.20 APO 155.76 V2 34.981
 RC 204.893 GL 9.78 GP -2.18 ZAL 42.12 ZAP 176.65 ETS 222.78 ZAE 131.04 ETE 182.40 ZAC 122.23 ETC 166.80 CLP 177.45

PLANETOCENTRIC CONIC
 C3 57.925 VHL 7.611 DLA 25.88 RAL 40.10 RAD 6569.1 VEL 13.390 PTH 2.45 VHP 11.785 DPA 6.46 RAP 27.96 ECC 1.9533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 31 3462.38 -21.35 128.48 289.37 70.95 4 53 13 2862.4 -23.76 120.63
 90.00 0 29 47 4139.26 -1.92 168.59 280.74 61.74 1 38 46 3539.3 -5.68 161.93
 100.00 5 43 23 3114.63 -24.39 103.99 290.47 72.16 6 35 17 2514.6 -26.60 95.89
 100.00 1 24 36 3962.24 .88 154.04 279.19 60.12 2 30 39 3362.2 -3.11 147.51
 110.00 7 39 33 2751.66 -30.91 78.62 292.67 74.62 8 25 15 2151.7 -32.71 69.86
 110.00 1 45 5 3897.98 6.67 145.58 275.60 56.40 2 50 3 3298.0 2.20 139.34

MID-COURSE EXECUTION ACCURACY
 SGT 5531.4 SGR 405.1 SG3 109.0 ST 2570.6 SR 402.6 SS 584.2
 RRT .4809 RRF .4639 RTF .9578 CRT .8639 CRS -.8139 CST -.9956
 SGB 5546.2 R23 .0016 R13 .9578 LSA 2658.4 MSA 209.2 SSA 11.8
 SGI 5534.8 SG2 355.0 TMA 2.03 ELI 2594.1 EL2 200.9 ALF 7.75

ORBIT DETERMINATION ACCURACY
 ST 2570.6 SR 402.6 SS 584.2
 CRT .8639 CRS -.8139 CST -.9956
 LSA 2658.4 MSA 209.2 SSA 11.8
 ELI 2594.1 EL2 200.9 ALF 7.75

DIFFERENTIAL CORRECTIONS
 TDE 2.8877 TRA 5.4585 TC3-1.4704 BAU 1.1387
 RDE .5344 RRA .0565 RC3 .0038 FAU .00736
 FDE .6043 FRA 1.3924 FC3 -.1101 BSP 18336
 BDE 2.9367 BRA 5.4588 BC3 1.4704 FSP -371

LAUNCH DATE DEC 19 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 595.516

RL 147.19 LAL -0.00 LOL 86.88 VL 25.918 GAL 13.52 AZL 87.13 MCA 307.02 SMA 117.28 ECC .34083 INC 2.8708 V1 30.269
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.324 GAP 19.46 AZP 88.27 TAL 150.20 TAP 97.22 RCA 77.31 APO 157.25 V2 34.994
 RC 206.614 GL 8.94 GP -2.15 ZAL 40.31 ZAP 175.93 ETS 214.12 ZAE 130.94 ETE 182.39 ZAC 124.41 ETC 166.56 CLP 176.54

PLANETOCENTRIC CONIC

C3 65.976 VHL 8.123 DLA 25.59 RAL 42.16 RAD 6569.3 VEL 13.687 PTH 2.50 VHP 12.366 DPA 7.37 RAP 30.06 ECC 2.0858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 45 3473.56 -21.10 129.21 293.71 70.67 5 7 38 2873.6 -23.55 121.39
 90.00 0 32 2 4191.11 -2.25 171.49 284.41 61.68 1 41 53 3591.1 -4.03 164.85
 100.00 5 56 14 3130.28 -24.06 105.04 294.80 71.70 6 48 24 2530.3 -26.33 96.98
 100.00 1 28 15 4009.63 2.48 156.64 282.90 60.20 2 35 4 3409.6 -1.50 150.12
 110.00 7 50 39 2772.29 -30.53 80.11 297.06 73.82 8 36 51 2172.3 -32.44 71.41
 110.00 1 50 19 3940.39 8.26 147.83 279.34 56.71 2 55 59 3340.4 3.82 141.56

DIFFERENTIAL CORRECTIONS

TOE 2.9407 TRA 5.9936 TC3 -1.2439 BAU 1.0971
 ROE .5575 RRA .0822 RC3 .0015 FAU .00612
 FOE .6013 FRA 1.4652 FC3 -.0804 BSP 18343
 BOE 2.9931 BRA 5.9942 BC3 1.2439 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 5510.0 SGR 398.5 SG3 106.2
 RRT .5066 RRF .4905 RTF .9622
 SGB 5524.3 R23 .0013 R13 .9622
 SG1 5513.7 SG2 343.3 THA 2.11

ORBIT DETERMINATION ACCURACY

ST 2506.8 SR 393.7 SS 583.3
 CRT .8540 CRS -.8068 CST -.9962
 LSA 2595.2 MSA 210.1 SSA 11.2
 EL1 2529.4 EL2 203.0 ALF 7.69

LAUNCH DATE DEC 19 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 599.378

RL 147.19 LAL -0.00 LOL 86.88 VL 25.882 GAL 14.91 AZL 87.19 MCA 310.22 SMA 117.09 ECC .35763 INC 2.8141 V1 30.269
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.311 GAP 20.52 AZP 88.18 TAL 148.91 TAP 99.13 RCA 75.21 APO 158.96 V2 35.007
 RC 208.309 GL 8.12 GP -2.12 ZAL 38.64 ZAP 175.10 ETS 207.98 ZAE 130.79 ETE 182.38 ZAC 126.56 ETC 166.28 CLP 175.58

PLANETOCENTRIC CONIC

C3 75.584 VHL 8.694 DLA 25.26 RAL 44.07 RAD 6569.5 VEL 14.033 PTH 2.56 VHP 13.014 DPA 8.25 RAP 32.14 ECC 2.2439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 41 3484.02 -20.86 129.88 297.92 70.41 5 21 45 2884.0 -23.35 122.09
 90.00 0 33 18 4244.81 1.49 174.48 287.95 61.72 1 44 3 3644.8 -2.31 167.85
 100.00 6 8 48 3145.12 -23.74 106.02 299.00 71.28 7 1 13 2545.1 -26.07 98.00
 100.00 1 30 52 4058.94 4.15 159.35 286.48 60.37 2 38 31 3458.9 .17 152.82
 110.00 8 1 33 2792.33 -30.14 81.54 301.31 73.05 8 48 6 2192.3 -32.16 72.91
 110.00 1 54 36 3984.49 9.90 150.20 282.96 57.11 3 1 0 3384.5 5.50 143.87

DIFFERENTIAL CORRECTIONS

TOE 3.0004 TRA 6.5729 TC3 -1.0341 BAU 1.0450
 ROE .5804 RRA .1104 RC3 .0003 FAU .00483
 FOE .6008 FRA 1.5451 FC3 -.0553 BSP 18334
 BOE 3.0561 BRA 6.5738 BC3 1.0341 FSP -352

MID-COURSE EXECUTION ACCURACY

SGT 5484.9 SGR 390.9 SG3 103.5
 RRT .5321 RRF .5171 RTF .9667
 SGB 5498.8 R23 .0009 R13 .9667
 SG1 5488.9 SG2 330.7 THA 2.18

ORBIT DETERMINATION ACCURACY

ST 2444.9 SR 383.3 SS 585.2
 CRT .8442 CRS -.8001 CST -.9968
 LSA 2534.4 MSA 209.8 SSA 10.6
 EL1 2466.4 EL2 203.7 ALF 7.59

LAUNCH DATE DEC 19 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 602.858

RL 147.19 LAL -0.00 LOL 86.88 VL 25.847 GAL 16.43 AZL 87.25 MCA 313.42 SMA 116.90 ECC .37650 INC 2.7518 V1 30.269
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.299 GAP 21.72 AZP 88.11 TAL 147.73 TAP 101.15 RCA 72.89 APO 160.91 V2 35.020
 RC 209.976 GL 7.33 GP -2.09 ZAL 37.12 ZAP 174.17 ETS 203.50 ZAE 130.59 ETE 182.36 ZAC 128.64 ETC 165.95 CLP 174.56

PLANETOCENTRIC CONIC

C3 87.126 VHL 9.334 DLA 24.90 RAL 45.80 RAD 6569.7 VEL 14.439 PTH 2.62 VHP 13.743 DPA 9.10 RAP 34.18 ECC 2.4339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 11 3493.82 -20.64 130.51 301.98 70.17 5 35 25 2893.8 -23.16 122.74
 90.00 0 33 38 4299.80 3.26 177.55 291.34 61.86 1 45 18 3699.8 -.53 170.92
 100.00 6 20 59 3159.16 -23.43 106.95 303.05 70.88 7 13 39 2559.2 -25.82 98.97
 100.00 1 32 32 4109.68 5.85 162.16 289.91 60.63 2 41 1 3509.7 1.89 155.60
 110.00 8 12 3 2811.68 -29.75 82.91 305.40 72.33 8 58 55 2211.7 -31.87 74.35
 110.00 1 57 57 4029.93 11.57 152.66 286.45 57.61 3 5 7 3429.9 7.21 146.27

DIFFERENTIAL CORRECTIONS

TOE 3.0723 TRA 7.2051 TC3 -.8397 BAU .9781
 ROE .6035 RRA .1413 RC3 -.0000 FAU .00341
 FOE .6039 FRA 1.6340 FC3 -.0339 BSP 18230
 BOE 3.1310 BRA 7.2065 BC3 .8397 FSP -342

MID-COURSE EXECUTION ACCURACY

SGT 5457.9 SGR 382.6 SG3 100.9
 RRT .5579 RRF .5439 RTF .9710
 SGB 5471.2 R23 .0004 R13 .9710
 SG1 5462.0 SG2 317.3 THA 2.25

ORBIT DETERMINATION ACCURACY

ST 2387.1 SR 371.5 SS 590.7
 CRT .8350 CRS -.7944 CST -.9974
 LSA 2478.3 MSA 208.0 SSA 10.0
 EL1 2407.3 EL2 202.7 ALF 7.46

LAUNCH DATE DEC 19 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 605.859

RL 147.19 LAL -0.00 LOL 86.88 VL 25.813 GAL 18.12 AZL 87.32 MCA 316.62 SMA 116.72 ECC .39777 INC 2.6825 V1 30.269
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.288 GAP 23.08 AZP 88.05 TAL 146.70 TAP 103.32 RCA 70.29 APO 163.15 V2 35.034
 RC 211.617 GL 6.56 GP -2.06 ZAL 35.75 ZAP 173.16 ETS 200.12 ZAE 130.32 ETE 182.35 ZAC 130.67 ETC 165.58 CLP 173.48

PLANETOCENTRIC CONIC

C3 101.091 VHL 10.054 DLA 24.50 RAL 47.36 RAD 6570.0 VEL 14.914 PTH 2.69 VHP 14.567 DPA 9.90 RAP 36.17 ECC 2.6637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 12 3502.87 -20.43 131.09 303.86 69.95 5 48 34 2902.9 -22.98 123.35
 90.00 0 33 5 4355.65 5.04 180.68 294.56 62.10 1 45 41 3755.6 1.27 174.03
 100.00 6 32 44 3172.28 -23.13 107.81 306.91 70.52 7 25 36 2572.3 -25.58 99.87
 100.00 1 33 14 4161.47 7.57 165.04 293.19 61.00 2 42 36 3561.5 3.64 158.45
 110.00 8 22 5 2830.16 -29.36 84.21 309.29 71.65 9 9 15 2230.2 -31.58 75.71
 110.00 2 0 22 4076.36 13.25 155.21 289.80 58.20 3 8 19 3476.4 8.95 148.75

DIFFERENTIAL CORRECTIONS

TOE 3.1514 TRA 7.8898 TC3 -.6640 BAU .8974
 ROE .6263 RRA .1745 RC3 .0003 FAU .00191
 FOE .6091 FRA 1.7316 FC3 -.0164 BSP 18219
 BOE 3.2130 BRA 7.8917 BC3 .6640 FSP -334

MID-COURSE EXECUTION ACCURACY

SGT 5424.2 SGR 373.2 SG3 98.4
 RRT .5829 RRF .5701 RTF .9752
 SGB 5437.0 R23 -.0002 R13 .9752
 SG1 5428.6 SG2 303.0 THA 2.30

ORBIT DETERMINATION ACCURACY

ST 2328.9 SR 358.4 SS 598.7
 CRT .8261 CRS -.7891 CST -.9979
 LSA 2422.6 MSA 204.8 SSA 9.5
 EL1 2347.8 EL2 200.3 ALF 7.30

LAUNCH DATE DEC 19 1965		FLIGHT TIME 214.00		ARRIVAL DATE JUL 21 1966	
HELIOCENTRIC CONIC		DISTANCE 608.251			
RL 147.19 LAL	-0.00 LOL	86.88 VL	25.782 GAL	20.00 AZL	87.40 HCA
RP 108.13 LAP	-1.68 LOP	46.74 VP	36.278 GAP	24.63 AZP	88.01 TAL
RC 213.230 GL	5.81 GP	-2.04 ZAL	34.56 ZAP	172.05 ETS	197.48 ZAE
PLANETOCENTRIC CONIC					
C3 118.129 VHL	10.869 DLA	24.08 RAL	48.74 RAD	6570.2 VEL	15.475 PTH
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC
90.00	5 2 36	3511.00	-20.24	131.61	309.53
90.00	0 31 38	4411.97	6.83	183.86	297.61
100.00	6 43 56	3184.28	-22.86	108.60	310.55
100.00	1 32 59	4213.92	9.29	167.98	296.29
110.00	8 31 35	2847.52	-28.98	85.42	312.95
110.00	2 1 50	4123.45	14.92	157.83	292.99
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE 3.2459 TRA	8.6402 TC3	-.5041 BAU	.7960	SGT 5386.8 SGR	363.1 SG3 96.1
RDE .6491 RRA	.2104 RC3	.0012 FAU	.00021	RRT .6077 RRF	.5960 RTF .9792
FDE .6183 FRA	1.8412 FC3	-.0015 BSP	18178	SG8 5399.0 R23	-.0009 R13 .9792
BDE 3.3102 BRA	8.6427 BC3	.5041 FSP	-326	SG1 5391.3 SG2	288.1 THA 2.35
ST 2273.6 SR		344.1 SS		610.8	
CRT .8181 CRS		-.7848 CST		-.9983	
LSA 2370.7 MSA		200.2 SSA		8.9	
EL1 2291.1 EL2		196.4 ALF		7.11	
LAUNCH DATE DEC 19 1965		FLIGHT TIME 216.00		ARRIVAL DATE JUL 23 1966	
HELIOCENTRIC CONIC		DISTANCE 609.863			
RL 147.19 LAL	-0.00 LOL	86.88 VL	25.752 GAL	22.12 AZL	87.49 HCA
RP 108.09 LAP	-1.51 LOP	49.95 VP	36.270 GAP	26.40 AZP	87.99 TAL
RC 214.816 GL	5.09 GP	-2.02 ZAL	33.55 ZAP	170.83 ETS	195.37 ZAE
PLANETOCENTRIC CONIC					
C3 139.110 VHL	11.794 DLA	23.62 RAL	49.91 RAD	6570.5 VEL	16.138 PTH
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC
90.00	5 14 22	3517.89	-20.08	132.05	312.94
90.00	0 29 13	4468.47	8.59	187.07	300.45
100.00	6 54 33	3194.87	-22.61	109.29	313.95
100.00	1 31 43	4266.73	10.99	170.98	299.19
110.00	8 40 29	2863.45	-28.62	86.52	316.35
110.00	2 2 16	4170.91	16.57	160.52	295.98
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE 3.3599 TRA	9.4656 TC3	-.3596 BAU	.6688	SGT 5345.3 SGR	352.1 SG3 93.9
RDE .6720 RRA	.2487 RC3	.0026 FAU	-.00178	RRT .6320 RRF	.6215 RTF .9828
FDE .6320 FRA	1.9648 FC3	.0111 BSP	18115	SG8 5356.8 R23	-.0016 R13 .9828
BDE 3.4264 BRA	9.4689 BC3	.3596 FSP	-318	SG1 5349.9 SG2	272.7 THA 2.39
ST 2220.7 SR		328.8 SS		627.4	
CRT .8112 CRS		-.7815 CST		-.9987	
LSA 2322.8 MSA		194.2 SSA		8.4	
EL1 2236.8 EL2		190.9 ALF		6.90	
LAUNCH DATE DEC 19 1965		FLIGHT TIME 218.00		ARRIVAL DATE JUL 25 1966	
HELIOCENTRIC CONIC		DISTANCE 610.467			
RL 147.19 LAL	-0.00 LOL	86.88 VL	25.726 GAL	24.52 AZL	87.59 HCA
RP 108.05 LAP	-1.34 LOP	53.16 VP	36.264 GAP	28.45 AZP	87.99 TAL
RC 216.375 GL	4.39 GP	-1.99 ZAL	32.75 ZAP	169.47 ETS	193.63 ZAE
PLANETOCENTRIC CONIC					
C3 165.207 VHL	12.853 DLA	23.13 RAL	50.86 RAD	6570.8 VEL	16.927 PTH
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC
90.00	5 25 25	3523.15	-19.95	132.39	316.07
90.00	0 25 44	4524.90	10.32	190.31	303.06
100.00	7 4 30	3203.66	-22.40	109.86	317.05
100.00	1 29 20	4319.63	12.66	174.02	301.85
110.00	8 48 44	2877.57	-28.30	87.49	319.44
110.00	2 1 36	4218.48	18.19	163.26	298.75
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE 3.5011 TRA	10.3792 TC3	-.2295 BAU	.5070	SGT 5300.5 SGR	340.4 SG3 91.8
RDE .6953 RRA	.2895 RC3	.0042 FAU	-.00419	RRT .6558 RRF	.6466 RTF .9862
FDE .6519 FRA	2.1057 FC3	.0220 BSP	17959	SG8 5311.4 R23	-.0023 R13 .9862
BDE 3.5694 BRA	10.3832 BC3	.2295 FSP	-309	SG1 5305.2 SG2	256.7 THA 2.42
ST 2171.2 SR		312.8 SS		649.5	
CRT .8058 CRS		-.7797 CST		-.9990	
LSA 2280.1 MSA		186.9 SSA		7.8	
EL1 2185.9 EL2		184.0 ALF		6.67	
LAUNCH DATE DEC 19 1965		FLIGHT TIME 220.00		ARRIVAL DATE JUL 27 1966	
HELIOCENTRIC CONIC		DISTANCE 609.753			
RL 147.19 LAL	-0.00 LOL	86.88 VL	25.702 GAL	27.27 AZL	87.71 HCA
RP 108.01 LAP	-1.16 LOP	56.37 VP	36.259 GAP	30.84 AZP	88.03 TAL
RC 217.906 GL	3.72 GP	-1.97 ZAL	32.19 ZAP	167.96 ETS	192.17 ZAE
PLANETOCENTRIC CONIC					
C3 198.025 VHL	14.072 DLA	22.60 RAL	51.56 RAD	6571.1 VEL	17.870 PTH
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC
90.00	5 35 40	3526.27	-19.88	132.59	318.85
90.00	0 21 3	4581.10	12.01	193.58	305.38
100.00	7 13 42	3210.18	-22.25	110.28	319.81
100.00	1 25 42	4372.42	14.29	177.09	304.23
110.00	8 56 13	2889.43	-28.02	88.30	322.18
110.00	1 59 40	4265.93	19.75	166.05	301.26
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE 3.6681 TRA	11.3845 TC3	-.1151 BAU	.3050	SGT 5248.1 SGR	327.6 SG3 89.9
RDE .7188 RRA	.3319 RC3	.0059 FAU	-.00712	RRT .6784 RRF	.6703 RTF .9892
FDE .6776 FRA	2.2654 FC3	.0311 BSP	17887	SG8 5258.3 R23	-.0030 R13 .9892
BDE 3.7379 BRA	11.3893 BC3	.1152 FSP	-303	SG1 5252.8 SG2	240.5 THA 2.43
ST 2121.2 SR		295.9 SS		677.2	
CRT .8017 CRS		-.7789 CST		-.9992	
LSA 2239.1 MSA		178.3 SSA		7.2	
EL1 2134.5 EL2		175.8 ALF		6.43	

LAUNCH DATE DEC 20 1965

FLIGHT TIME 70.00

ARRIVAL DATE FEB 28 1966

HELIOCENTRIC CONIC

DISTANCE 199.275

RL 147.18 LAL .00 LOL 87.90 VL 28.578 GAL -11.89 AZL 86.69 MCA 91.06 SMA 134.50 ECC .22573 INC 3.3133 V1 30.271
 RP 107.72 LAP 3.31 LOP 178.97 VP 38.437 GAP -6.23 AZP 90.06 TAL 233.99 TAP 325.05 RCA 104.14 APO 164.86 V2 35.181
 RC 60.133 GL 14.56 GP 4.88 ZAL 153.66 ZAP 35.16 ETS 351.76 ZAE 156.51 ETE 349.04 ZAC 58.48 ETC 165.00 CLP -34.86

PLANETOCENTRIC CONIC

C3 41.358 VML 6.431 DLA -7.53 RAL 289.61 RAD 6568.6 VEL 12.756 PTH 2.32 VHP 5.315 DPA -11.83 RAP 325.88 ECC 1.6806
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 37 2159.24 -18.19 38.01 161.38 112.08 2 19 37 1559.2 -15.03 30.75
 90.00 11 48 22 5274.38 27.01 238.52 166.50 81.16 13 16 16 4674.4 25.51 230.17
 100.00 3 1 21 1908.50 -19.46 19.01 160.82 113.15 3 33 9 1308.5 -16.16 11.77
 100.00 13 13 20 5000.36 28.37 218.11 166.25 80.16 14 36 40 4400.4 26.72 209.70
 110.00 4 1 20 1720.69 -22.84 3.10 159.16 116.15 4 30 1 1120.7 -19.14 355.91
 110.00 14 29 50 4760.93 32.02 199.09 165.41 77.33 15 49 11 4160.9 29.94 190.49

DIFFERENTIAL CORRECTIONS

TDE -.1443 TRA -.3639 TC3 .2528 BAU .1409
 ROE -.4288 RRA .0869 RC3 -.0321 FAU .07650
 FDE .4859 FRA -1.1354 FC3 -1.6014 BSP 950
 BDE .4525 BRA .3741 BC3 .2548 FSP -564

MID-COURSE EXECUTION ACCURACY

SGT 478.7 SGR 392.1 SG3 202.1
 RRT .0541 RRF -.1743 RTF -.3498
 SGB 618.8 R23 -.1173 R13 -.3644
 SG1 480.1 SG2 390.4 THA 7.53

ORBIT DETERMINATION ACCURACY

ST 162.0 SR 382.8 SS 245.1
 CRT .7548 CRS .8442 CST .3033
 LSA 453.4 MSA 163.5 SSA 22.6
 EL1 403.2 EL2 100.9 ALF 71.05

LAUNCH DATE DEC 20 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC

DISTANCE 206.000

RL 147.18 LAL .00 LOL 87.90 VL 28.644 GAL -11.79 AZL 86.72 MCA 94.29 SMA 135.01 ECC .22249 INC 3.2750 V1 30.271
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.477 GAP -5.47 AZP 90.25 TAL 234.85 TAP 329.15 RCA 104.97 APO 165.05 V2 35.171
 RC 62.133 GL 14.57 GP 5.23 ZAL 154.08 ZAP 39.36 ETS 352.26 ZAE 158.45 ETE 349.87 ZAC 57.45 ETC 165.10 CLP -39.07

PLANETOCENTRIC CONIC

C3 40.538 VML 6.367 DLA -7.58 RAL 289.10 RAD 6568.6 VEL 12.724 PTH 2.31 VHP 4.985 DPA -11.80 RAP 324.83 ECC 1.6672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 1 2152.49 -18.01 37.59 160.53 112.22 2 17 53 1552.5 -14.84 30.35
 90.00 11 45 56 5271.02 26.98 238.28 165.64 81.04 13 13 47 4671.0 25.46 229.94
 100.00 2 59 43 1901.83 -19.28 18.60 159.97 113.30 3 31 25 1301.8 -15.96 11.38
 100.00 13 10 55 4996.91 28.33 217.86 165.38 80.03 14 34 12 4396.9 26.66 209.46
 110.00 3 59 38 1714.21 -22.65 2.69 158.30 116.32 4 28 12 1114.2 -18.93 355.53
 110.00 14 27 29 4757.30 31.96 198.82 164.54 77.18 15 46 46 4157.3 29.87 190.24

DIFFERENTIAL CORRECTIONS

TDE -.1353 TRA -.3782 TC3 .2349 BAU .1279
 ROE -.4253 RRA .0916 RC3 -.0239 FAU .08532
 FDE .5440 FRA -1.2932 FC3 -1.0222 BSP 849
 BDE .4463 BRA .3891 BC3 .2361 FSP -648

MID-COURSE EXECUTION ACCURACY

SGT 471.3 SGR 392.8 SG3 228.6
 RRT .0484 RRF -.2063 RTF -.2811
 SGB 613.5 R23 -.1618 R13 -.3001
 SG1 472.6 SG2 391.3 THA 7.39

ORBIT DETERMINATION ACCURACY

ST 159.7 SR 383.5 SS 261.4
 CRT .7186 CRS .8421 CST .2470
 LSA 459.1 MSA 172.3 SSA 22.5
 EL1 401.7 EL2 106.1 ALF 72.05

LAUNCH DATE DEC 20 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 212.688

RL 147.18 LAL .00 LOL 87.90 VL 28.696 GAL -11.69 AZL 86.76 MCA 97.53 SMA 135.43 ECC .21968 INC 3.2363 V1 30.271
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.506 GAP -4.75 AZP 90.42 TAL 235.56 TAP 333.08 RCA 105.68 APO 165.18 V2 35.160
 RC 64.180 GL 14.57 GP 5.60 ZAL 154.42 ZAP 43.79 ETS 352.72 ZAE 160.72 ETE 350.82 ZAC 56.20 ETC 165.21 CLP -43.50

PLANETOCENTRIC CONIC

C3 39.783 VML 6.307 DLA -7.64 RAL 288.70 RAD 6568.5 VEL 12.694 PTH 2.31 VHP 4.688 DPA -11.80 RAP 323.55 ECC 1.6547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 51 2145.90 -17.84 37.18 159.80 112.36 2 16 37 1545.9 -14.66 29.95
 90.00 11 43 53 5268.11 26.94 238.07 164.90 80.94 13 11 41 4668.1 25.42 229.73
 100.00 2 58 32 1895.34 -19.10 18.20 159.24 113.44 3 30 7 1295.3 -15.77 10.99
 100.00 13 8 54 4993.90 28.29 217.65 164.65 79.92 14 32 8 4393.9 26.61 209.25
 110.00 3 58 23 1707.93 -22.46 2.31 157.57 116.48 4 26 51 1107.9 -18.72 355.17
 110.00 14 25 32 4754.08 31.91 198.58 163.80 77.05 15 44 46 4154.1 29.80 190.01

DIFFERENTIAL CORRECTIONS

TDE -.1230 TRA -.3981 TC3 .2099 BAU .1119
 ROE -.4211 RRA .0975 RC3 -.0139 FAU .09496
 FDE .6024 FRA -1.4630 FC3 -2.0665 BSP 748
 BDE .4387 BRA .4098 BC3 .2104 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 464.5 SGR 393.2 SG3 257.7
 RRT .0301 RRF -.2416 RTF -.1894
 SGB 608.6 R23 -.2211 R13 -.2066
 SG1 465.0 SG2 392.6 THA 5.10

ORBIT DETERMINATION ACCURACY

ST 156.6 SR 383.5 SS 276.9
 CRT .6628 CRS .8394 CST .1657
 LSA 463.6 MSA 181.2 SSA 22.5
 EL1 398.6 EL2 112.8 ALF 73.49

LAUNCH DATE DEC 20 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 219.338

RL 147.18 LAL .00 LOL 87.90 VL 28.737 GAL -11.59 AZL 86.80 MCA 100.75 SMA 135.75 ECC .21721 INC 3.1972 V1 30.271
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.527 GAP -4.07 AZP 90.60 TAL 236.10 TAP 336.85 RCA 106.27 APO 165.24 V2 35.149
 RC 66.268 GL 14.55 GP 6.00 ZAL 154.68 ZAP 48.43 ETS 353.17 ZAE 163.31 ETE 352.00 ZAC 54.73 ETC 165.32 CLP -48.15

PLANETOCENTRIC CONIC

C3 39.073 VML 6.251 DLA -7.70 RAL 288.40 RAD 6568.5 VEL 12.667 PTH 2.30 VHP 4.425 DPA -11.83 RAP 322.04 ECC 1.6430
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 8 2139.42 -17.68 36.78 159.19 112.49 2 15 47 1539.4 -14.48 29.56
 90.00 11 42 12 5265.50 26.92 237.88 164.29 80.86 13 9 58 4665.5 25.38 229.55
 100.00 2 57 46 1888.96 -18.93 17.80 158.63 113.58 3 29 15 1289.0 -15.58 10.61
 100.00 13 7 15 4991.19 28.26 217.45 164.03 79.82 14 30 27 4391.2 26.56 209.06
 110.00 3 57 33 1701.77 -22.27 1.93 156.96 116.63 4 25 55 1101.8 -18.51 354.80
 110.00 14 23 58 4751.14 31.87 198.37 163.17 76.93 15 43 9 4151.1 29.74 189.80

DIFFERENTIAL CORRECTIONS

TDE -.1097 TRA -.4264 TC3 .1747 BAU .0913
 ROE -.4165 RRA .1044 RC3 -.0024 FAU .10495
 FDE .6660 FRA -1.6350 FC3 -2.3255 BSP 603
 BDE .4307 BRA .4390 BC3 .1747 FSP -845

MID-COURSE EXECUTION ACCURACY

SGT 461.9 SGR 393.8 SG3 288.0
 RRT -.0018 RRF -.2821 RTF -.0649
 SGB 607.0 R23 .2826 R13 .0636
 SG1 461.9 SG2 393.8 THA 179.68

ORBIT DETERMINATION ACCURACY

ST 155.4 SR 382.9 SS 292.7
 CRT .5876 CRS .8399 CST .0697
 LSA 468.8 MSA 190.2 SSA 22.4
 EL1 394.8 EL2 122.0 ALF 75.13

LAUNCH DATE DEC 20 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 225.950

RL 147.18 LAL .00 LOL 87.90 VL 28.767 GAL -11.50 AZL 86.84 MCA 103.98 SMA 135.99 ECC .21502 INC 3.1571 V1 30.271
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.539 GAP -3.42 AZP 90.76 TAL 236.48 TAP 340.46 RCA 106.75 APO 165.23 V2 35.138
 RC 68.394 GL 14.51 GP 6.42 ZAL 154.88 ZAP 53.29 ETS 353.62 ZAE 166.19 ETE 353.59 ZAC 53.05 ETC 165.43 CLP -53.02

PLANETOCENTRIC CONIC

C3 38.393 VHL 6.196 DLA -7.76 RAL 288.19 RAD 6568.5 VEL 12.640 PTH 2.29 VHP 4.195 DPA -11.90 RAP 320.32 ECC 1.6319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 48 2132.97 -17.51 36.38 158.68 112.62 2 15 20 1533.0 -14.29 29.18
 90.00 11 40 54 5263.08 26.89 237.71 163.78 80.77 13 8 37 4663.1 25.34 229.39
 100.00 2 57 24 1882.61 -18.76 17.41 158.12 113.71 3 28 46 1282.6 -15.39 10.23
 100.00 13 5 58 4988.67 28.23 217.27 163.52 79.73 14 29 7 4388.7 26.52 208.88
 110.00 3 57 6 1695.65 -22.08 1.55 156.45 116.78 4 25 22 1095.7 -18.31 354.45
 110.00 14 22 45 4748.39 31.83 198.16 162.65 76.81 15 41 53 4148.4 29.69 189.61

DIFFERENTIAL CORRECTIONS

TDE -.0940 TRA -.4623 TC3 .1299 BAU .0669
 RDE -.4113 FRA .1122 RC3 .0108 FAU .11520
 FDE .7303 FRA-1.8071 FC3-2.5977 BSP 477
 BDE .4219 BRA .4757 BC3 .1304 FSP -947

MID-COURSE EXECUTION ACCURACY

SGT 468.6 SGR 394.7 SG3 319.4
 RRT -.0538 RRF -.3266 RTF .0869
 SGB 612.7 R23 .3088 R13 -.1269
 SG1 470.2 SG2 392.7 THA 171.34

ORBIT DETERMINATION ACCURACY

ST 156.0 SR 381.6 SS 307.8
 CRT .4871 CRS .8416 CST -.0477
 LSA 473.9 MSA 199.0 SSA 22.3
 EL1 390.1 EL2 133.2 ALF 77.22

LAUNCH DATE DEC 20 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 232.523

RL 147.18 LAL .00 LOL 87.90 VL 28.787 GAL -11.40 AZL 86.88 MCA 107.20 SMA 136.15 ECC .21306 INC 3.1160 V1 30.271
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.543 GAP -2.80 AZP 90.92 TAL 236.72 TAP 343.93 RCA 107.15 APO 165.16 V2 35.126
 RC 70.553 GL 14.46 GP 6.85 ZAL 155.01 ZAP 58.33 ETS 354.09 ZAE 169.33 ETE 356.03 ZAC 51.17 ETC 165.56 CLP -58.08

PLANETOCENTRIC CONIC

C3 37.732 VHL 6.143 DLA -7.83 RAL 288.07 RAD 6568.5 VEL 12.614 PTH 2.29 VHP 3.997 DPA -11.99 RAP 318.41 ECC 1.6210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 50 2126.48 -17.34 35.98 158.26 112.74 2 15 17 1526.5 -14.11 28.79
 90.00 11 39 55 5260.79 26.86 237.55 163.36 80.70 13 7 36 4660.8 25.30 229.23
 100.00 2 57 24 1876.24 -18.58 17.02 157.70 113.85 3 28 41 1276.2 -15.20 9.85
 100.00 13 5 2 4986.27 28.20 217.10 163.10 79.65 14 28 8 4386.3 26.48 208.72
 110.00 3 57 2 1689.51 -21.89 1.17 156.03 116.93 4 25 12 1089.5 -18.10 354.09
 110.00 14 21 53 4745.75 31.79 197.97 162.23 76.71 15 40 59 4145.8 29.63 189.42

DIFFERENTIAL CORRECTIONS

TDE -.0752 TRA -.5051 TC3 .0758 BAU .0404
 RDE -.4051 FRA .1208 RC3 .0257 FAU .12557
 FDE .7878 FRA-1.9766 FC3-2.8810 BSP 464
 BDE .4121 BRA .5193 BC3 .0801 FSP -1060

MID-COURSE EXECUTION ACCURACY

SGT 489.6 SGR 395.9 SG3 351.3
 RRT -.1272 RRF -.3735 RTF .2530
 SGB 629.7 R23 .2835 R13 -.3194
 SG1 496.5 SG2 387.3 THA 164.64

ORBIT DETERMINATION ACCURACY

ST 159.0 SR 379.4 SS 320.8
 CRT .3588 CRS .8422 CST -.1882
 LSA 478.1 MSA 207.7 SSA 22.1
 EL1 384.4 EL2 146.5 ALF 79.98

LAUNCH DATE DEC 20 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 239.058

RL 147.18 LAL .00 LOL 87.90 VL 28.799 GAL -11.31 AZL 86.93 MCA 110.43 SMA 136.24 ECC .21128 INC 3.0734 V1 30.271
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.540 GAP -2.21 AZP 91.07 TAL 236.82 TAP 347.25 RCA 107.46 APO 165.03 V2 35.114
 RC 72.741 GL 14.40 GP 7.29 ZAL 155.08 ZAP 63.53 ETS 354.58 ZAE 172.67 ETE .58 ZAC 49.15 ETC 165.70 CLP -63.30

PLANETOCENTRIC CONIC

C3 37.079 VHL 6.089 DLA -7.90 RAL 288.04 RAD 6568.4 VEL 12.588 PTH 2.28 VHP 3.832 DPA -12.09 RAP 316.34 ECC 1.6102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 14 2119.90 -17.16 35.57 157.93 112.87 2 15 34 1519.9 -13.92 28.40
 90.00 11 39 15 5258.55 26.84 237.39 163.02 80.62 13 6 54 4658.6 25.27 229.07
 100.00 2 57 46 1869.76 -18.40 16.62 157.37 113.98 3 28 56 1269.8 -15.01 9.47
 100.00 13 4 24 4983.92 28.17 216.93 162.76 79.56 14 27 28 4383.9 26.44 208.55
 110.00 3 57 19 1683.29 -21.70 .79 155.69 117.08 4 25 23 1083.3 -17.89 353.73
 110.00 14 21 20 4743.16 31.74 197.78 161.89 76.60 15 40 23 4143.2 29.58 189.24

DIFFERENTIAL CORRECTIONS

TDE -.0552 TRA -.5563 TC3 .0105 BAU .0214
 RDE -.3983 FRA .1299 RC3 .0420 FAU .13528
 FDE .8441 FRA-2.1277 FC3-3.1584 BSP 622
 BDE .4021 BRA .5713 BC3 .0433 FSP -1161

MID-COURSE EXECUTION ACCURACY

SGT 531.2 SGR 397.9 SG3 381.6
 RRT -.2132 RRF -.4231 RTF .4166
 SGB 663.7 R23 .2418 R13 -.4818
 SG1 544.8 SG2 379.0 THA 161.98

ORBIT DETERMINATION ACCURACY

ST 166.9 SR 376.6 SS 333.0
 CRT .2167 CRS .8455 CST -.3265
 LSA 483.2 MSA 215.8 SSA 22.0
 EL1 378.7 EL2 162.0 ALF 83.28

LAUNCH DATE DEC 20 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 245.554

RL 147.18 LAL .00 LOL 87.90 VL 28.802 GAL -11.21 AZL 86.97 MCA 113.65 SMA 136.27 ECC .20964 INC 3.0291 V1 30.271
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.531 GAP -1.65 AZP 91.22 TAL 236.79 TAP 350.44 RCA 107.70 APO 164.84 V2 35.101
 RC 74.954 GL 14.32 GP 7.73 ZAL 155.09 ZAP 68.83 ETS 355.11 ZAE 176.07 ETE 13.03 ZAC 47.01 ETC 165.85 CLP -68.62

PLANETOCENTRIC CONIC

C3 36.428 VHL 6.036 DLA -7.97 RAL 288.09 RAD 6568.4 VEL 12.562 PTH 2.28 VHP 3.697 DPA -12.19 RAP 314.16 ECC 1.5995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 59 2113.14 -16.98 35.16 157.67 113.00 2 16 12 1513.1 -13.72 28.00
 90.00 11 38 53 5256.35 26.82 237.23 162.77 80.54 13 6 30 4656.3 25.23 228.92
 100.00 2 58 29 1863.13 -18.22 16.21 157.11 114.12 3 29 32 1263.1 -14.81 9.08
 100.00 13 4 4 4981.59 28.14 216.76 162.50 79.48 14 27 6 4381.6 26.40 208.39
 110.00 3 57 57 1676.91 -21.50 .40 155.43 117.24 4 25 54 1076.9 -17.68 353.36
 110.00 14 21 6 4740.57 31.70 197.59 161.63 76.49 15 40 6 4140.6 29.52 189.06

DIFFERENTIAL CORRECTIONS

TDE -.0530 TRA -.6138 TC3 -.0842 BAU .0427
 RDE -.3903 FRA .1393 RC3 .0597 FAU .14431
 FDE .8872 FRA-2.2623 FC3-3.4297 BSP 911
 BDE .3917 BRA .6294 BC3 .0876 FSP -1266

MID-COURSE EXECUTION ACCURACY

SGT 594.3 SGR 400.4 SG3 410.3
 RRT -.3048 RRF -.4732 RTF .5564
 SGB 716.6 R23 .2031 R13 -.6082
 SG1 614.3 SG2 368.9 THA 161.52

ORBIT DETERMINATION ACCURACY

ST 179.3 SR 372.7 SS 342.2
 CRT .0677 CRS .8474 CST -.4621
 LSA 487.7 MSA 223.2 SSA 21.8
 EL1 373.0 EL2 178.7 ALF 87.58

LAUNCH DATE DEC 20 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 252.012

RL 147.18 LAL .00 LOL 87.90 VL 28.797 GAL -11.11 AZL 87.02 MCA 116.86 SMA 136.23 ECC .20812 INC 2.9825 V1 30.271
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.516 GAP -1.12 AZP 91.35 TAL 236.64 TAP 353.50 RCA 107.88 APO 164.59 V2 35.089
 RC 77.191 GL 14.23 GP 8.17 ZAL 155.05 ZAP 74.17 ETS 355.68 ZAE 178.30 ETE 83.04 ZAC 44.82 ETC 166.03 CLP -74.00

PLANETOCENTRIC CONIC

C3 35.770 VML 5.981 OLA -8.04 RAL 288.21 RAD 6568.4 VEL 12.536 PTH 2.27 VHP 3.592 DPA -12.27 RAP 311.92 ECC 1.5887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 3 2106.13 -16.80 34.73 157.49 113.14 2 17 9 1506.1 -13.52 27.58
 90.00 11 38 48 5254.14 26.79 237.08 162.58 80.47 13 6 22 4654.1 25.20 228.77
 100.00 2 59 31 1856.25 -18.03 15.79 156.92 114.26 3 30 27 1256.2 -14.60 8.67
 100.00 13 4 1 4979.26 28.11 216.59 162.31 79.40 14 27 0 4379.3 26.36 208.23
 110.00 3 58 54 1670.31 -21.29 .00 155.24 117.39 4 26 44 1070.3 -17.46 352.98
 110.00 14 21 8 4737.97 31.66 197.40 161.44 76.39 15 40 6 4138.0 29.47 188.88

DIFFERENTIAL CORRECTIONS

TDE -.0103 TRA -.6779 TC3 -.1491 BAU .0805
 RDE -.3815 RRA .1484 RC3 .0782 FAU .15180
 FDE .9245 FRA-2.3630 FC3-3.6741 BSP 1285
 BDE .3817 BRA .6940 BC3 .1684 FSP -1349

MID-COURSE EXECUTION ACCURACY

SGT 679.8 SGR 403.7 SG3 434.8
 RRT -.3908 RRF -.5233 RTF .6649
 SGB 790.6 R23 .1752 R13 -.7024
 SG1 704.7 SG2 358.4 THA 162.18

ORBIT DETERMINATION ACCURACY

ST 197.1 SR 368.0 SS 350.0
 CRT -.0674 CRS .8519 CST -.5710
 LSA 493.5 MSA 229.8 SSA 21.6
 EL1 368.4 EL2 196.5 ALF 92.89

LAUNCH DATE DEC 20 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 258.434

RL 147.18 LAL .00 LOL 87.90 VL 28.786 GAL -11.00 AZL 87.07 MCA 120.08 SMA 136.15 ECC .20670 INC 2.9332 V1 30.271
 RP 108.00 LAP 2.54 LOP 208.01 VP 38.496 GAP -.61 AZP 91.47 TAL 236.37 TAP 356.45 RCA 108.00 APO 164.29 V2 35.076
 RC 79.446 GL 14.13 GP 8.61 ZAL 154.95 ZAP 79.50 ETS 356.30 ZAE 175.74 ETE 144.72 ZAC 42.64 ETC 166.23 CLP -79.38

PLANETOCENTRIC CONIC

C3 35.102 VML 5.925 OLA -8.12 RAL 288.41 RAD 6568.4 VEL 12.509 PTH 2.26 VHP 3.515 DPA -12.33 RAP 309.69 ECC 1.5777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 28 2098.79 -16.60 34.28 157.36 113.27 2 18 27 1498.8 -13.31 27.15
 90.00 11 38 56 5251.97 26.77 236.92 162.45 80.40 13 6 28 4652.0 25.17 228.62
 100.00 3 0 53 1849.04 -17.82 15.35 156.79 114.40 3 31 42 1249.0 -14.38 8.25
 100.00 13 4 13 4976.95 28.08 216.43 162.19 79.31 14 27 10 4377.0 26.32 208.07
 110.00 4 0 10 1663.40 -21.08 359.58 155.11 117.56 4 27 54 1063.4 -17.22 352.58
 110.00 14 21 25 4735.36 31.62 197.20 161.30 76.28 15 40 20 4135.4 29.41 188.69

DIFFERENTIAL CORRECTIONS

TDE .0132 TRA -.7463 TC3 -.2423 BAU .1226
 RDE -.3713 RRA .1573 RC3 .0977 FAU .15791
 FDE .9432 FRA-2.4361 FC3-3.8945 BSP 1704
 BDE .3716 BRA .7627 BC3 .2612 FSP -1428

MID-COURSE EXECUTION ACCURACY

SGT 783.6 SGR 407.4 SG3 455.5
 RRT -.4693 RRF -.5715 RTF .7435
 SGB 883.2 R23 .1543 R13 -.7697
 SG1 812.1 SG2 347.1 THA 163.11

ORBIT DETERMINATION ACCURACY

ST 219.3 SR 362.1 SS 354.2
 CRT -.1852 CRS .8545 CST -.6608
 LSA 498.8 MSA 235.4 SSA 21.4
 EL1 365.5 EL2 213.4 ALF 99.75

LAUNCH DATE DEC 20 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 264.819

RL 147.18 LAL .00 LOL 87.90 VL 28.769 GAL -10.89 AZL 87.12 MCA 123.29 SMA 136.01 ECC .20533 INC 2.8807 V1 30.271
 RP 108.00 LAP 2.41 LOP 211.23 VP 38.472 GAP -.12 AZP 91.58 TAL 235.99 TAP 359.28 RCA 108.08 APO 163.94 V2 35.063
 RC 81.719 GL 14.01 GP 9.04 ZAL 154.81 ZAP 84.76 ETS 356.97 ZAE 172.16 ETE 155.87 ZAC 40.52 ETC 166.46 CLP -84.69

PLANETOCENTRIC CONIC

C3 34.420 VML 5.867 OLA -8.21 RAL 288.67 RAD 6568.4 VEL 12.482 PTH 2.26 VHP 3.464 DPA -12.35 RAP 307.52 ECC 1.5665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 12 2091.00 -16.39 33.81 157.29 113.42 2 20 3 1491.0 -13.08 26.69
 90.00 11 39 18 5249.85 26.74 236.77 162.38 80.32 13 6 48 4649.9 25.13 228.47
 100.00 3 2 35 1841.40 -17.61 14.89 156.72 114.55 3 33 16 1241.4 -14.15 7.80
 100.00 13 4 37 4974.69 28.05 216.27 162.12 79.23 14 27 32 4374.7 26.28 207.91
 110.00 4 1 46 1656.09 -20.85 359.14 155.04 117.72 4 29 22 1056.1 -16.97 352.16
 110.00 14 21 55 4732.77 31.58 197.01 161.23 76.18 15 40 48 4132.8 29.36 188.51

DIFFERENTIAL CORRECTIONS

TDE .0363 TRA -.8181 TC3 -.3432 BAU .1670
 RDE -.3599 RRA .1654 RC3 .1178 FAU .16217
 FDE .9467 FRA-2.4725 FC3-4.0790 BSP 2162
 BDE .3617 BRA .8347 BC3 .3629 FSP -1491

MID-COURSE EXECUTION ACCURACY

SGT 902.8 SGR 411.5 SG3 471.0
 RRT -.5381 RRF -.6174 RTF .7985
 SGB 992.2 R23 .1404 R13 -.8170
 SG1 933.8 SG2 335.3 THA 164.12

ORBIT DETERMINATION ACCURACY

ST 245.1 SR 354.9 SS 355.5
 CRT -.2803 CRS .8572 CST -.7275
 LSA 504.5 MSA 239.7 SSA 21.3
 EL1 366.1 EL2 228.1 ALF 108.25

LAUNCH DATE DEC 20 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 271.170

RL 147.18 LAL .00 LOL 87.90 VL 28.747 GAL -10.77 AZL 87.18 MCA 126.50 SMA 135.83 ECC .20407 INC 2.8242 V1 30.271
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.443 GAP .34 AZP 91.68 TAL 235.51 TAP 2.01 RCA 108.11 APO 163.55 V2 35.050
 RC 84.008 GL 13.86 GP 9.48 ZAL 154.62 ZAP 89.88 ETS 357.70 ZAE 168.54 ETE 159.99 ZAC 38.52 ETC 166.74 CLP -89.88

PLANETOCENTRIC CONIC

C3 33.722 VML 5.807 OLA -8.31 RAL 289.00 RAD 6568.3 VEL 12.454 PTH 2.25 VHP 3.436 DPA -12.32 RAP 305.47 ECC 1.5550
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 18 2082.65 -16.16 33.30 157.27 113.57 2 22 1 1482.7 -12.84 26.20
 90.00 11 39 51 5247.85 26.72 236.63 162.37 80.26 13 7 18 4647.9 25.10 228.33
 100.00 3 4 37 1833.22 -17.38 14.39 156.70 114.71 3 35 10 1233.2 -13.90 7.32
 100.00 13 5 13 4972.52 28.03 216.11 162.10 79.16 14 28 5 4372.5 26.24 207.76
 110.00 4 3 41 1648.27 -20.60 358.67 155.02 117.90 4 31 9 1048.3 -16.70 351.71
 110.00 14 22 38 4730.24 31.54 196.83 161.21 76.07 15 41 28 4130.2 29.30 188.33

DIFFERENTIAL CORRECTIONS

TDE .0581 TRA -.8919 TC3 -.4508 BAU .2125
 RDE -.3475 RRA .1724 RC3 .1379 FAU .16419
 FDE .9422 FRA-2.4668 FC3-4.2152 BSP 2647
 BDE .3523 BRA .9084 BC3 .4715 FSP -1523

MID-COURSE EXECUTION ACCURACY

SGT 1033.6 SGR 415.7 SG3 480.1
 RRT -.5969 RRF -.6606 RTF .8364
 SGB 1114.0 R23 .1332 R13 -.8499
 SG1 1066.1 SG2 323.3 THA 165.10

ORBIT DETERMINATION ACCURACY

ST 273.3 SR 346.7 SS 355.1
 CRT -.3533 CRS .8621 CST -.7723
 LSA 511.5 MSA 242.7 SSA 21.0
 EL1 371.4 EL2 238.7 ALF 117.89

LAUNCH DATE DEC 20 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 28.719 GAL -10.64 AZL 87.24 HCA 129.71 SMA 135.61 ECC .20284 INC 2.7629 V1 30.271
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.410 GAP .78 AZP 91.77 TAL 234.94 TAP 4.65 RCA 108.10 APO 163.12 V2 35.036
 RC 86.309 GL 13.70 GP 9.91 ZAL 154.38 ZAP 94.82 ETS 358.48 ZAE 165.02 ETE 162.09 ZAC 36.69 ETC 167.09 CLP -94.89

PLANETOCENTRIC CONIC
 C3 33.004 VHL 5.745 DLA -8.42 RAL 289.39 RAD 6568.3 VEL 12.425 PTH 2.25 VHP 3.430 DPA -12.22 RAP 303.60 ECC 1.5432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 46 2073.58 -15.92 32.75 157.30 113.73 2 24 19 1473.6 -12.57 25.66
 90.00 11 40 31 5246.08 26.70 236.50 162.40 80.20 13 7 57 4646.1 25.07 228.21
 100.00 3 7 1 1824.33 -17.12 13.85 156.73 114.88 3 37 26 1224.3 -13.63 6.81
 100.00 13 5 57 4970.56 28.00 215.97 162.14 79.09 14 28 47 4370.6 26.21 207.63
 110.00 4 5 57 1639.81 -20.33 358.16 155.04 118.09 4 33 17 1039.8 -16.41 351.23
 110.00 14 23 30 4727.85 31.50 196.65 161.25 75.98 15 42 18 4127.9 29.25 188.17

DIFFERENTIAL CORRECTIONS
 TDE .0781 TRA -.9656 TC3 -.5637 BAU .2583 SGT 1171.9 SGR 419.9 SG3 483.8 ST 302.9 SR 337.3 SS 351.8
 RDE -.3338 RRA .1783 RC3 .1584 FAU .16432 RRT -.6479 RRF -.7008 RTF .8625 CRT -.4090 CRS .8669 CST -.8036
 FDE .9238 FRA -2.4258 FC3 -4.3103 BSP 3145 SGB 1244.8 R23 .1305 R13 -.8727 LSA 518.8 MSA 244.4 SSA 20.8
 BDE .3429 BRA .9820 BC3 .5855 FSP -1537 SG1 1205.4 SG2 310.9 TMA 165.98 EL1 382.1 EL2 244.0 ALF 127.61

LAUNCH DATE DEC 20 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 28.688 GAL -10.51 AZL 87.30 HCA 132.92 SMA 135.36 ECC .20166 INC 2.6956 V1 30.271
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.374 GAP 1.21 AZP 91.84 TAL 234.28 TAP 7.20 RCA 108.06 APO 162.65 V2 35.023
 RC 88.623 GL 13.50 GP 10.37 ZAL 154.11 ZAP 99.53 ETS 359.33 ZAE 161.64 ETE 163.31 ZAC 35.07 ETC 167.53 CLP -99.69

PLANETOCENTRIC CONIC
 C3 32.267 VHL 5.680 DLA -8.56 RAL 289.85 RAD 6568.3 VEL 12.395 PTH 2.24 VHP 3.443 DPA -12.05 RAP 301.94 ECC 1.5310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 38 2063.57 -15.64 32.14 157.37 113.91 2 27 2 1463.6 -12.28 25.08
 90.00 11 41 17 5244.70 26.68 236.41 162.49 80.15 13 8 42 4644.7 25.05 228.12
 100.00 3 9 49 1814.56 -16.84 13.26 156.80 115.07 3 40 4 1214.6 -13.33 6.24
 100.00 13 6 47 4968.94 27.98 215.86 162.22 79.03 14 29 36 4368.9 26.18 207.52
 110.00 4 8 36 1630.53 -20.03 357.61 155.11 118.30 4 35 46 1030.5 -16.09 350.70
 110.00 14 24 30 4725.74 31.46 196.50 161.33 75.89 15 43 16 4125.7 29.20 188.02

DIFFERENTIAL CORRECTIONS
 TDE .0956 TRA -1.0381 TC3 -.6806 BAU .3036 SGT 1314.7 SGR 424.2 SG3 483.2 ST 332.8 SR 326.5 SS 345.2
 RDE -.3188 RRA .1833 RC3 .1795 FAU .16297 RRT -.6934 RRF -.7382 RTF .8809 CRT -.4508 CRS .8698 CST -.8269
 FDE .8882 FRA -2.3603 FC3 -4.3727 BSP 3651 SGB 1381.5 R23 .1308 R13 -.8889 LSA 525.6 MSA 244.6 SSA 20.5
 BDE .3328 BRA 1.0542 BC3 .7039 FSP -1545 SG1 1349.0 SG2 297.9 TMA 166.73 EL1 397.1 EL2 244.2 ALF 136.22

LAUNCH DATE DEC 20 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 28.652 GAL -10.38 AZL 87.38 HCA 136.12 SMA 135.07 ECC .20053 INC 2.6209 V1 30.271
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.336 GAP 1.61 AZP 91.89 TAL 233.55 TAP 9.67 RCA 107.99 APO 162.16 V2 35.010
 RC 90.946 GL 13.27 GP 10.85 ZAL 153.80 ZAP 104.00 ETS .25 ZAE 158.45 ETE 164.03 ZAC 33.67 ETC 168.09 CLP -104.26

PLANETOCENTRIC CONIC
 C3 31.508 VHL 5.613 DLA -8.72 RAL 290.37 RAD 6568.3 VEL 12.364 PTH 2.23 VHP 3.473 DPA -11.79 RAP 300.51 ECC 1.5185
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 58 2052.39 -15.33 31.47 157.49 114.10 2 30 11 1452.4 -11.95 24.42
 90.00 11 42 5 5243.90 26.67 236.35 162.63 80.12 13 9 29 4643.9 25.04 228.06
 100.00 3 13 4 1803.65 -16.53 12.61 156.91 115.27 3 43 8 1203.7 -12.99 5.60
 100.00 13 7 40 4967.87 27.97 215.78 162.36 78.99 14 30 28 4367.9 26.16 207.44
 110.00 4 11 39 1620.23 -19.70 357.00 155.22 118.52 4 38 39 1020.2 -15.73 350.12
 110.00 14 25 34 4724.07 31.43 196.38 161.47 75.82 15 44 18 4124.1 29.17 187.90

DIFFERENTIAL CORRECTIONS
 TDE .1097 TRA -1.1082 TC3 -.8016 BAU .3482 SGT 1460.2 SGR 428.7 SG3 478.3 ST 362.1 SR 314.3 SS 336.0
 RDE -.3026 RRA .1872 RC3 .2013 FAU .16019 RRT -.7335 RRF -.7731 RTF .8938 CRT -.4804 CRS .8723 CST -.8423
 FDE .8414 FRA -2.2693 FC3 -4.4014 BSP 4166 SGB 1521.8 R23 .1347 R13 -.9004 LSA 532.1 MSA 243.5 SSA 20.3
 BDE .3218 BRA 1.1239 BC3 .8265 FSP -1538 SG1 1495.0 SG2 284.6 TMA 167.38 EL1 414.7 EL2 240.7 ALF 143.24

LAUNCH DATE DEC 20 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 28.612 GAL -10.23 AZL 87.46 HCA 139.32 SMA 134.77 ECC .19944 INC 2.5372 V1 30.271
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.294 GAP 2.00 AZP 91.92 TAL 232.74 TAP 12.05 RCA 107.89 APO 161.64 V2 34.996
 RC 93.279 GL 13.00 GP 11.39 ZAL 153.46 ZAP 108.18 ETS 1.25 ZAE 155.46 ETE 164.40 ZAC 32.52 ETC 168.81 CLP -108.56

PLANETOCENTRIC CONIC
 C3 30.726 VHL 5.543 DLA -8.92 RAL 290.95 RAD 6568.2 VEL 12.333 PTH 2.22 VHP 3.517 DPA -11.43 RAP 299.33 ECC 1.5057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 51 2039.68 -14.98 30.70 157.64 114.32 2 33 51 1439.7 -11.57 23.68
 90.00 11 42 50 5243.98 26.67 236.35 162.83 80.13 13 10 14 4644.0 25.04 228.07
 100.00 3 16 51 1791.29 -16.17 11.86 157.07 115.49 3 46 42 1191.3 -12.60 4.89
 100.00 13 8 31 4967.61 27.96 215.76 162.56 78.98 14 31 19 4367.6 26.16 207.42
 110.00 4 15 11 1608.56 -19.32 356.31 155.37 118.77 4 42 0 1008.6 -15.33 349.46
 110.00 14 26 40 4723.07 31.42 196.30 161.67 75.78 15 45 23 4123.1 29.15 187.83

DIFFERENTIAL CORRECTIONS
 TDE .1205 TRA -1.1743 TC3 -.9254 BAU .3911 SGT 1605.5 SGR 433.6 SG3 469.0 ST 390.3 SR 301.3 SS 325.7
 RDE -.2856 RRA .1896 RC3 .2237 FAU .15591 RRT -.7684 RRF -.8057 RTF .9026 CRT -.5014 CRS .8767 CST -.8502
 FDE .7922 FRA -2.1526 FC3 -4.3930 BSP 4665 SGB 1663.0 R23 .1432 R13 -.9082 LSA 539.0 MSA 241.3 SSA 20.0
 BDE .3100 BRA 1.1895 BC3 .9320 FSP -1506 SG1 1640.7 SG2 271.5 TMA 167.94 EL1 433.6 EL2 234.6 ALF 148.79

LAUNCH DATE DEC 20 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 302.441

RL 147.18 LAL .00 LOL 87.90 VL 28.570 GAL -10.08 AZL 87.56 MCA 142.52 SMA 134.44 ECC .19839 INC 2.4418 VI 30.271
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.250 GAP 2.37 ATP 91.94 TAL 231.86 TAP 14.37 RCA 107.76 APO 161.11 V2 34.983
 RC 95.621 GL 12.66 GP 12.00 ZAL 153.08 ZAP 112.09 ETS 2.36 ZAE 152.67 ETE 164.50 ZAC 31.61 ETC 169.71 CLP -112.61

PLANETOCENTRIC CONIC

C3 29.921 VHL 5.470 DLA -9.16 RAL 291.59 RAD 6568.2 VEL 12.300 PTH 2.22 VHP 3.575 DPA -10.96 RAP 298.40 ECC 1.4924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 23 2024.98 -14.56 29.82 157.84 114.56 2 38 8 1425.0 -11.13 22.83
 90.00 11 43 25 5245.37 26.69 236.45 163.08 80.17 13 10 51 4645.4 25.06 228.16
 100.00 3 21 15 1777.02 -15.75 11.01 157.26 115.74 3 50 52 1177.0 -12.15 4.06
 100.00 13 9 15 4968.57 27.98 215.83 162.81 79.02 14 32 3 4368.6 26.18 207.49
 110.00 4 19 17 1595.26 -18.88 355.32 155.56 119.04 4 45 53 995.3 -14.86 348.71
 110.00 14 27 42 4723.08 31.42 196.30 161.93 75.78 15 46 25 4123.1 29.15 187.84

DIFFERENTIAL CORRECTIONS

TDE .1263 TRA-1.2361 TC3-1.0550 BAU .4327
 RDE -.2674 RRA .1913 RC3 .2480 FAU .15099
 FDE .7294 FRA-2.0267 FC3-4.3687 BSP 5171
 BDE .2957 BRA 1.2508 BC3 1.0818 FSP -1477

MID-COURSE EXECUTION ACCURACY

SGT 1750.6 SGR 439.6 SG3 457.6
 RRT -.8002 RRF -.8363 RTF .9089
 SGB 1804.9 R23 .1547 R13 -.9139
 SG1 1786.4 SG2 258.3 THA 168.39

ORBIT DETERMINATION ACCURACY

ST 416.5 SR 286.7 SS 312.8
 CRT -.5131 CRS .8784 CST -.8552
 LSA 544.2 MSA 237.7 SSA 19.7
 EL1 451.9 EL2 226.8 ALF 153.34

LAUNCH DATE DEC 20 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 308.608

RL 147.18 LAL .00 LOL 87.90 VL 28.525 GAL -9.92 AZL 87.67 MCA 145.71 SMA 134.09 ECC .19738 INC 2.3316 VI 30.271
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.205 GAP 2.72 ATP 91.93 TAL 230.91 TAP 16.62 RCA 107.62 APO 160.55 V2 34.970
 RC 97.969 GL 12.24 GP 12.71 ZAL 152.68 ZAP 115.70 ETS 3.62 ZAE 150.07 ETE 164.36 ZAC 30.95 ETC 170.85 CLP -116.39

PLANETOCENTRIC CONIC

C3 29.092 VHL 5.394 DLA -9.48 RAL 292.30 RAD 6568.2 VEL 12.266 PTH 2.21 VHP 3.644 DPA -10.34 RAP 297.72 ECC 1.4788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 45 2007.63 -14.07 28.79 158.07 114.83 2 43 13 1407.6 -10.61 21.82
 90.00 11 43 43 5248.64 26.73 236.69 163.40 80.28 13 11 12 4648.6 25.11 228.39
 100.00 3 26 26 1760.23 -15.25 10.62 157.49 116.03 3 55 46 1160.2 -11.62 3.10
 100.00 13 9 43 4971.28 28.01 216.02 163.14 79.11 14 32 35 4371.3 26.22 207.68
 110.00 4 24 6 1579.68 -18.36 354.61 155.79 119.35 4 50 25 979.7 -14.31 347.84
 110.00 14 28 33 4724.59 31.44 196.41 162.26 75.84 15 47 18 4124.6 29.18 187.94

DIFFERENTIAL CORRECTIONS

TDE .1273 TRA-1.2918 TC3-1.1835 BAU .4725
 RDE -.2485 RRA .1917 RC3 .2740 FAU .14511
 FDE .6655 FRA-1.8844 FC3-4.3182 BSP 5656
 BDE .2792 BRA 1.3059 BC3 1.2148 FSP -1428

MID-COURSE EXECUTION ACCURACY

SGT 1893.1 SGR 446.8 SG3 443.2
 RRT -.8278 RRF -.8648 RTF .9129
 SGB 1945.1 R23 .1712 R13 -.9176
 SG1 1929.5 SG2 245.9 THA 168.76

ORBIT DETERMINATION ACCURACY

ST 440.4 SR 271.3 SS 297.0
 CRT -.5180 CRS .8813 CST -.8546
 LSA 548.6 MSA 233.2 SSA 19.3
 EL1 469.1 EL2 217.8 ALF 157.10

LAUNCH DATE DEC 20 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 314.749

RL 147.18 LAL .00 LOL 87.90 VL 28.477 GAL -9.76 AZL 87.80 MCA 148.91 SMA 133.72 ECC .19641 INC 2.2018 VI 30.271
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.158 GAP 3.06 ATP 91.89 TAL 229.91 TAP 18.81 RCA 107.46 APO 159.98 V2 34.957
 RC 100.323 GL 11.71 GP 13.56 ZAL 152.26 ZAP 119.02 ETS 5.06 ZAE 147.66 ETE 163.98 ZAC 30.53 ETC 172.28 CLP -119.93

PLANETOCENTRIC CONIC

C3 28.237 VHL 5.314 DLA -9.89 RAL 293.08 RAD 6568.1 VEL 12.232 PTH 2.20 VHP 3.723 DPA -9.54 RAP 297.26 ECC 1.4647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 11 1986.70 -13.47 27.54 158.36 115.15 2 49 18 1386.7 -9.97 20.61
 90.00 11 43 31 5254.68 26.80 237.11 163.80 80.49 13 11 6 4654.7 25.21 228.81
 100.00 3 32 38 1740.03 -14.64 8.82 157.77 116.36 4 1 38 1140.0 -10.98 1.94
 100.00 13 9 45 4976.58 28.08 216.40 163.55 79.30 14 32 41 4376.6 26.32 208.04
 110.00 4 29 47 1561.08 -17.74 353.53 156.06 119.71 4 55 48 961.1 -13.65 346.80
 110.00 14 29 5 4728.29 31.50 196.69 162.68 75.99 15 47 54 4128.3 29.26 188.20

DIFFERENTIAL CORRECTIONS

TDE .1210 TRA-1.3417 TC3-1.3195 BAU .5111
 RDE -.2282 RRA .1916 RC3 .3037 FAU .13904
 FDE .5884 FRA-1.7416 FC3-4.2630 BSP 6152
 BDE .2583 BRA 1.3553 BC3 1.3540 FSP -1387

MID-COURSE EXECUTION ACCURACY

SGT 2034.7 SGR 456.9 SG3 428.2
 RRT -.8528 RRF -.8914 RTF .9158
 SGB 2085.4 R23 .1912 R13 -.9202
 SG1 2072.1 SG2 234.3 THA 169.02

ORBIT DETERMINATION ACCURACY

ST 461.4 SR 254.2 SS 278.2
 CRT -.5136 CRS .8798 CST -.8531
 LSA 550.5 MSA 227.0 SSA 19.0
 EL1 484.0 EL2 220.9 ALF 160.45

LAUNCH DATE DEC 20 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 320.865

RL 147.18 LAL .00 LOL 87.90 VL 28.428 GAL -9.59 AZL 87.95 MCA 152.10 SMA 133.34 ECC .19549 INC 2.0456 VI 30.271
 RP 108.44 LAP .96 LOP 240.01 VP 38.109 GAP 3.38 ATP 91.81 TAL 228.84 TAP 20.94 RCA 107.27 APO 159.41 V2 34.945
 RC 102.682 GL 11.03 GP 14.61 ZAL 151.83 ZAP 122.03 ETS 6.74 ZAE 145.39 ETE 163.34 ZAC 30.34 ETC 174.06 CLP -123.24

PLANETOCENTRIC CONIC

C3 27.355 VHL 5.230 DLA -10.44 RAL 293.94 RAD 6568.1 VEL 12.196 PTH 2.19 VHP 3.813 DPA -8.52 RAP 297.00 ECC 1.4502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 3 1980.79 -12.71 26.02 158.69 115.52 2 56 44 1360.8 -9.17 19.12
 90.00 11 42 31 5264.77 26.91 237.83 164.31 80.83 13 10 16 4664.8 25.37 229.50
 100.00 3 40 12 1715.12 -13.88 7.36 158.10 116.74 4 8 48 1115.1 -10.18 .53
 100.00 13 9 3 4985.68 28.19 217.06 164.06 79.63 14 32 9 4385.7 26.47 208.68
 110.00 4 36 40 1538.31 -16.96 352.22 156.37 120.13 5 2 18 938.3 -12.83 345.54
 110.00 14 29 5 4735.25 31.62 197.20 163.22 76.28 15 48 0 4135.2 29.41 188.69

DIFFERENTIAL CORRECTIONS

TDE .1079 TRA-1.3829 TC3-1.4592 BAU .5477
 RDE -.2073 RRA .1900 RC3 .3371 FAU .13230
 FDE .9101 FRA-1.5869 FC3-4.1871 BSP 6609
 BDE .2337 BRA 1.3959 BC3 1.4976 FSP -1328

MID-COURSE EXECUTION ACCURACY

SGT 2171.8 SGR 469.8 SG3 410.9
 RRT -.8734 RRF -.9154 RTF .9172
 SGB 2222.1 R23 .2169 R13 -.9216
 SG1 2210.7 SG2 224.8 THA 169.19

ORBIT DETERMINATION ACCURACY

ST 479.2 SR 236.0 SS 257.5
 CRT -.5010 CRS .8780 CST -.8469
 LSA 550.5 MSA 219.6 SSA 18.7
 EL1 496.5 EL2 197.2 ALF 163.46

LAUNCH DATE DEC 20 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 326.957

RL 147.18 LAL .00 LOL 87.90 VL 28.376 GAL -9.41 AZL 88.15 MCA 155.28 SMA 132.95 ECC .19461 INC 1.8529 V1 30.271
 RP 108.48 LAP .77 LOP 243.20 VP 38.059 GAP 3.69 AZP 91.68 TAL 227.73 TAP 23.02 RCA 107.08 APO 158.82 V2 34.932
 RC 105.043 GL 10.14 GP 15.93 ZAL 151.38 ZAP 124.73 ETS 8.75 ZAE 143.23 ETE 162.39 ZAC 30.38 ETC 176.29 CLP-126.33

PLANETOCENTRIC CONIC

C3 26.445 VHL 5.142 OLA -11.19 RAL 294.89 RAD 6568.1 VEL 12.158 PTM 2.18 VHP 3.916 DPA -7.20 RAP 296.90 ECC 1.4352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 58 1927.72 -11.73 24.08 159.10 115.96 3 6 6 1327.7 -8.15 17.23
 90.00 11 40 12 5281.03 27.08 238.99 164.96 81.39 13 8 13 4681.0 25.61 230.63
 100.00 3 49 41 1683.44 -12.90 5.52 158.51 117.20 4 17 45 1083.4 -9.16 358.73
 100.00 13 7 10 5000.55 28.37 218.12 164.72 80.16 14 30 31 4400.5 26.72 209.71
 110.00 4 45 12 1509.62 -15.97 350.58 156.75 120.63 5 10 21 909.6 -11.79 343.97
 110.00 14 28 9 4747.13 31.81 198.07 163.91 76.76 15 47 17 4147.1 29.66 189.52

DIFFERENTIAL CORRECTIONS

TDE .0829 TRA-1.4163 TC3-1.6074 BAU .5837
 RDE -.1843 RRA .1879 RC3 .3773 FAU .12533
 FDE .4158 FRA-1.4343 FC3-4.1095 BSP 7092
 BDE .2021 BRA 1.4287 BC3 1.6510 FSP -1277

MID-COURSE EXECUTION ACCURACY

SGT 2308.5 SGR 488.1 SG3 393.4
 RRT -.8907 RRF -.9371 RTF .9181
 SGB 2359.5 R23 .2462 R13 -.9226
 SG1 2349.4 SG2 218.0 TMA 169.24

ORBIT DETERMINATION ACCURACY

ST 493.8 SR 215.5 SS 231.8
 CRT -.4742 CRS .8665 CST -.8420
 LSA 547.8 MSA 208.9 SSA 18.4
 EL1 506.0 EL2 185.1 ALF 166.47

LAUNCH DATE DEC 20 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 333.027

RL 147.18 LAL .00 LOL 87.90 VL 28.323 GAL -9.22 AZL 88.39 MCA 158.47 SMA 132.55 ECC .19377 INC 1.6072 V1 30.271
 RP 108.52 LAP .59 LOP 246.38 VP 38.009 GAP 3.99 AZP 91.50 TAL 226.57 TAP 25.04 RCA 106.87 APO 158.23 V2 34.920
 RC 107.406 GL 8.93 GP 17.64 ZAL 150.94 ZAP 127.06 ETS 11.23 ZAE 141.11 ETE 161.06 ZAC 30.67 ETC 179.10 CLP-129.23

PLANETOCENTRIC CONIC

C3 25.505 VHL 5.050 OLA -12.23 RAL 295.97 RAD 6568.0 VEL 12.119 PTM 2.17 VHP 4.033 DPA -5.46 RAP 296.94 ECC 1.4197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 56 1883.90 -10.42 21.53 159.63 116.48 3 18 20 1283.9 -6.78 14.75
 90.00 11 35 47 5306.94 27.33 240.85 165.81 82.29 13 4 14 4706.9 25.98 232.44
 100.00 4 2 2 1641.64 -11.59 3.11 159.01 117.75 4 29 23 1041.6 -7.79 356.39
 100.00 13 3 23 5024.43 28.64 219.85 165.60 81.03 14 27 7 4424.4 27.10 211.38
 110.00 4 56 9 1472.13 -14.66 348.47 157.23 121.23 5 20 41 872.1 -10.42 341.93
 110.00 14 25 45 4766.71 32.10 199.52 164.84 77.57 15 45 11 4166.7 30.06 190.90

DIFFERENTIAL CORRECTIONS

TDE .0433 TRA-1.4385 TC3-1.7638 BAU .6187
 RDE -.1590 RRA .1847 RC3 .4260 FAU .11838
 FDE .3079 FRA-1.2769 FC3-4.0184 BSP 7564
 BDE .1648 BRA 1.4503 BC3 1.8145 FSP -1220

MID-COURSE EXECUTION ACCURACY

SGT 2442.3 SGR 513.5 SG3 374.6
 RRT -.9038 RRF -.9557 RTF .9184
 SGB 2495.7 R23 .2783 R13 -.9231
 SG1 2486.4 SG2 215.8 TMA 169.16

ORBIT DETERMINATION ACCURACY

ST 506.2 SR 192.0 SS 201.5
 CRT -.4299 CRS .8393 CST -.8416
 LSA 544.1 MSA 193.3 SSA 18.4
 EL1 513.7 EL2 170.8 ALF 169.58

LAUNCH DATE DEC 20 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 339.075

RL 147.18 LAL .00 LOL 87.90 VL 28.269 GAL -9.03 AZL 88.72 MCA 161.65 SMA 132.14 ECC .19299 INC 1.2812 V1 30.271
 RP 108.56 LAP .40 LOP 249.56 VP 37.957 GAP 4.28 AZP 91.22 TAL 225.36 TAP 27.01 RCA 106.64 APO 157.65 V2 34.909
 RC 109.770 GL 7.24 GP 19.94 ZAL 150.49 ZAP 128.94 ETS 14.37 ZAE 138.93 ETE 159.23 ZAC 31.24 ETC 182.71 CLP-131.96

PLANETOCENTRIC CONIC

C3 24.538 VHL 4.954 OLA -13.73 RAL 297.19 RAD 6568.0 VEL 12.080 PTM 2.16 VHP 4.172 DPA -3.13 RAP 297.04 ECC 1.4038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 48 1822.93 -8.54 18.03 160.35 117.10 3 35 11 1222.9 -4.84 11.31
 90.00 11 27 44 5348.89 27.68 243.87 166.99 83.76 12 56 53 4748.9 26.52 235.39
 100.00 4 18 55 1583.80 -9.74 359.82 159.71 118.40 4 45 19 983.8 -5.87 353.17
 100.00 12 56 18 5063.24 29.01 222.67 166.81 82.47 14 20 41 4463.2 27.67 214.13
 110.00 5 10 56 1420.87 -12.83 345.62 157.88 121.96 5 34 37 820.9 -8.52 339.18
 110.00 14 20 46 4798.94 32.55 201.93 166.13 78.93 15 40 45 4198.9 30.68 193.21

DIFFERENTIAL CORRECTIONS

TDE -.0171 TRA-1.4452 TC3-1.9286 BAU .6525
 RDE -.1301 RRA .1791 RC3 .4861 FAU .11045
 FDE .1845 FRA-1.1073 FC3-3.8969 BSP 8001
 BDE .1312 BRA 1.4563 BC3 1.9889 FSP -1147

MID-COURSE EXECUTION ACCURACY

SGT 2571.4 SGR 547.8 SG3 353.0
 RRT -.9117 RRF -.9709 RTF .9178
 SGB 2629.1 R23 .3113 R13 -.9230
 SG1 2619.8 SG2 221.0 TMA 168.93

ORBIT DETERMINATION ACCURACY

ST 519.8 SR 164.2 SS 167.3
 CRT -.3619 CRS .7756 CST -.8564
 LSA 544.0 MSA 169.8 SSA 18.8
 EL1 523.5 EL2 152.0 ALF 172.88

LAUNCH DATE DEC 20 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 345.102

RL 147.18 LAL .00 LOL 87.90 VL 28.213 GAL -8.83 AZL 89.18 MCA 164.83 SMA 131.73 ECC .19226 INC .8240 V1 30.271
 RP 108.59 LAP .22 LOP 252.73 VP 37.905 GAP 4.95 AZP 90.80 TAL 224.11 TAP 28.94 RCA 106.41 APO 157.06 V2 34.897
 RC 112.133 GL 4.74 GP 23.13 ZAL 150.00 ZAP 130.19 ETS 18.44 ZAE 136.49 ETE 156.71 ZAC 32.21 ETC 187.47 CLP-134.56

PLANETOCENTRIC CONIC

C3 23.567 VHL 4.855 OLA -16.00 RAL 298.66 RAD 6568.0 VEL 12.039 PTM 2.15 VHP 4.350 DPA .10 RAP 297.11 ECC 1.3879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 24 1732.02 -5.69 12.88 161.48 117.79 4 0 16 1132.0 -1.93 6.22
 90.00 11 12 51 5419.99 28.10 249.03 168.72 86.32 12 43 11 4820.0 27.29 240.45
 100.00 4 43 51 1498.27 -6.93 355.02 160.80 119.15 5 8 49 898.3 -2.99 348.44
 100.00 12 43 6 5128.98 29.50 227.50 168.60 84.97 14 8 35 4529.0 28.49 218.84
 110.00 5 32 21 1346.34 -10.11 341.56 158.87 122.83 5 54 47 746.3 -5.72 335.23
 110.00 14 11 5 4853.67 33.19 206.07 168.08 81.31 15 31 59 4253.7 31.63 197.19

DIFFERENTIAL CORRECTIONS

TDE -.1145 TRA-1.4332 TC3-2.1058 BAU .6869
 RDE -.0926 RRA .1712 RC3 .5648 FAU .10179
 FDE .0240 FRA -.9313 FC3-3.7394 BSP 8475
 BDE .1472 BRA 1.4434 BC3 2.1803 FSP -1074

MID-COURSE EXECUTION ACCURACY

SGT 2701.0 SGR 597.4 SG3 328.9
 RRT -.9150 RRF -.9827 RTF .9174
 SGB 2766.2 R23 .3390 R13 -.9234
 SG1 2756.1 SG2 236.1 TMA 168.47

ORBIT DETERMINATION ACCURACY

ST 548.4 SR 127.2 SS 135.7
 CRT -.2801 CRS .5775 CST -.9291
 LSA 564.1 MSA 129.0 SSA 20.7
 EL1 549.6 EL2 121.8 ALF 176.09

LAUNCH DATE DEC 20 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 351.108

RL 147.18 LAL .00 LOL 87.90 VL 28.157 GAL -8.62 AZL 89.87 HCA 168.01 SMA 131.32 ECC .19158 INC .1356 V1 30.271
 RP 108.63 LAP .03 LOP 255.91 VP 37.853 GAP 4.82 AZP 90.13 TAL 222.82 TAP 30.83 RCA 106.16 APO 156.47 V2 34.886
 RC 114.493 GL .77 GP 27.80 ZAL 149.28 ZAP 130.40 ETS 23.89 ZAE 133.41 ETE 153.24 ZAC 33.85 ETC 193.92 CLP-137.12

PLANETOCENTRIC CONIC

C3 22.674 VML 4.762 OLA -19.68 RAL 300.56 RAD 6567.9 VEL 12.002 PTH 2.14 VHP 4.606 DPA 4.81 RAP 296.97 ECC 1.3732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 38 1579.99 -.81 4.37 163.68 118.31 4 42 58 980.0 2.98 357.74
 90.00 10 42 46 5553.19 -28.29 258.76 171.47 91.19 12 15 20 4953.2 28.16 250.10
 100.00 5 25 33 1357.58 -2.21 347.24 162.90 119.82 5 48 11 757.6 1.77 340.72
 100.00 12 16 32 5230.83 29.89 236.53 171.48 89.70 13 44 3 4650.8 29.53 227.74
 110.00 6 7 4 1227.49 -5.67 335.23 160.75 123.77 6 27 32 627.5 -1.19 329.00
 110.00 13 51 31 4953.69 33.96 213.78 171.29 85.80 15 14 5 4353.7 33.00 204.67

DIFFERENTIAL CORRECTIONS

TOE -.2760 TRA-1.3882 TC3-2.2859 BAU .7218
 ROE -.0380 RRA .1564 RC3 .6664 FAU .09107
 FDE -.1824 FRA -.7301 FC3-3.4771 BSP 8941
 BDE .2786 BRA 1.3969 BC3 2.3811 FSP -973

MID-COURSE EXECUTION ACCURACY

SGT 2827.8 SGR 666.9 SG3 297.8
 RRT -.9125 RRF -.9908 RTF .9168
 SGB 2905.4 R23 .3587 R13 -.9241
 SGI 2893.1 SG2 266.6 TMA 167.75

ORBIT DETERMINATION ACCURACY

ST 630.7 SR 77.8 SS 147.0
 CRT -.3663 CRS .3008 CST -.9803
 LSA 647.6 MSA 73.0 SSA 26.5
 EL1 631.4 EL2 72.3 ALF 177.38

LAUNCH DATE DEC 20 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 357.094

RL 147.18 LAL .00 LOL 87.90 VL 28.100 GAL -8.40 AZL 91.05 HCA 171.18 SMA 130.90 ECC .19096 INC 1.0449 V1 30.271
 RP 108.66 LAP -.16 LOP 259.08 VP 37.801 GAP 5.07 AZP 88.96 TAL 221.49 TAP 32.67 RCA 105.90 APO 155.90 V2 34.875
 RC 116.852 GL -6.19 GP 35.12 ZAL 147.57 ZAP 128.68 ETS 31.31 ZAE 128.82 ETE 148.53 ZAC 36.90 ETC 202.92 CLP-139.82

PLANETOCENTRIC CONIC

C3 22.229 VML 4.715 OLA -26.24 RAL 303.42 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 5.051 DPA 12.10 RAP 296.22 ECC 1.3658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 5 1229.74 10.29 344.62 169.91 116.53 6 26 35 629.7 13.23 337.67
 90.00 9 16 8 605.78 25.37 305.26 175.58 103.01 9 26 14 5.8 26.91 296.93
 100.00 6 58 56 1059.08 7.84 330.78 168.60 118.94 7 16 35 459.1 11.64 324.06
 100.00 11 5 58 5539.72 28.09 257.75 176.22 100.68 12 38 18 4939.7 29.27 249.15
 110.00 7 17 18 1001.41 2.96 323.41 165.60 124.07 7 34 0 401.4 7.41 317.15
 110.00 13 4 5 5170.15 33.75 230.64 177.17 95.75 14 30 15 4570.1 34.18 221.42

DIFFERENTIAL CORRECTIONS

TOE -.5735 TRA-1.2780 TC3-2.4197 BAU .7562
 ROE .0608 RRA .1247 RC3 .7871 FAU .07647
 FDE -.4659 FRA -.4910 FC3-2.9784 BSP 9364
 BDE .5767 BRA 1.2840 BC3 2.5445 FSP -832

MID-COURSE EXECUTION ACCURACY

SGT 2947.8 SGR 764.8 SG3 254.1
 RRT -.9038 RRF -.9953 RTF .9174
 SGB 3045.4 R23 .3651 R13 -.9268
 SGI 3028.7 SG2 318.6 TMA 166.65

ORBIT DETERMINATION ACCURACY

ST 871.9 SR 92.3 SS 264.5
 CRT -.9857 CRS .9616 CST -.9536
 LSA 912.5 MSA 76.6 SSA 14.0
 EL1 876.6 EL2 15.5 ALF 174.04

LAUNCH DATE DEC 20 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 363.054

RL 147.18 LAL .00 LOL 87.90 VL 28.042 GAL -8.17 AZL 93.53 HCA 174.34 SMA 130.48 ECC .19038 INC 3.5323 V1 30.271
 RP 108.69 LAP -.35 LOP 262.25 VP 37.748 GAP 5.32 AZP 86.48 TAL 220.12 TAP 34.46 RCA 105.64 APO 155.32 V2 34.865
 RC 119.206 GL -20.25 GP 47.55 ZAL 141.38 ZAP 122.90 ETS 41.45 ZAE 120.52 ETE 142.92 ZAC 43.25 ETC 215.53 CLP-143.59

PLANETOCENTRIC CONIC

C3 24.420 VML 4.942 OLA -39.48 RAL 309.44 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 6.114 DPA 24.30 RAP 293.64 ECC 1.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.25 4 48 59 1554.19 25.07 17.51 184.82 121.56 5 14 53 954.2 29.05 10.13
 118.75 11 21 14 5615.25 25.08 262.22 184.83 121.55 12 54 50 5015.3 29.06 254.84
 61.25 4 48 59 1554.19 25.07 17.51 184.82 121.56 5 14 53 954.2 29.05 10.13
 118.75 11 21 14 5615.25 25.08 262.22 184.83 121.55 12 54 50 5015.3 29.06 254.84
 61.25 4 48 59 1554.19 25.07 17.51 184.82 121.56 5 14 53 954.2 29.05 10.13
 118.75 11 21 14 5615.25 25.08 262.22 184.83 121.55 12 54 50 5015.3 29.06 254.84

DIFFERENTIAL CORRECTIONS

TOE -1.2722 TRA-1.0045 TC3-2.2640 BAU .7863
 ROE .2895 RRA .0351 RC3 .8219 FAU .05416
 FDE -.8432 FRA -.1908 FC3-1.9200 BSP 9838
 BDE 1.3048 BRA 1.0051 BC3 2.4086 FSP -609

MID-COURSE EXECUTION ACCURACY

SGT 3075.6 SGR 880.5 SG3 186.1
 RRT -.8833 RRF -.9938 RTF .9240
 SGB 3199.2 R23 .3488 R13 -.9358
 SGI 3174.1 SG2 399.9 TMA 165.57

ORBIT DETERMINATION ACCURACY

ST 1544.4 SR 336.9 SS 519.3
 CRT -.9684 CRS .9991 CST -.9780
 LSA 1658.9 MSA 127.7 SSA 3.2
 EL1 1578.6 EL2 82.2 ALF 168.04

LAUNCH DATE DEC 20 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 368.961

RL 147.18 LAL .00 LOL 87.90 VL 27.983 GAL -7.93 AZL 102.18 HCA 177.47 SMA 130.06 ECC .18978 INC 12.1770 V1 30.271
 RP 108.72 LAP -.55 LOP 265.42 VP 37.696 GAP 5.55 AZP 77.83 TAL 218.70 TAP 36.16 RCA 105.38 APO 154.75 V2 34.856
 RC 121.557 GL -50.01 GP 69.73 ZAL 119.31 ZAP 108.94 ETS 60.44 ZAE 102.48 ETE 145.47 ZAC 56.97 ETC 238.24 CLP-159.53

PLANETOCENTRIC CONIC

C3 58.241 VML 7.632 OLA -64.63 RAL 338.36 RAD 6569.1 VEL 13.401 PTH 2.45 VHP 10.701 DPA 45.41 RAP 282.23 ECC 1.9585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.12 5 0 28 2015.06 24.22 63.92 236.03 151.98 5 34 3 1415.1 31.21 59.95
 150.88 15 0 29 5589.24 24.23 258.59 236.03 151.98 16 33 38 4989.2 31.22 254.62
 29.12 5 0 28 2015.06 24.22 63.92 236.03 151.98 5 34 3 1415.1 31.21 59.95
 150.88 15 0 29 5589.24 24.23 258.59 236.03 151.98 16 33 38 4989.2 31.22 254.62
 29.12 5 0 28 2015.06 24.22 63.92 236.03 151.98 5 34 3 1415.1 31.21 59.95
 150.88 15 0 29 5589.24 24.23 258.59 236.03 151.98 16 33 38 4989.2 31.22 254.62

DIFFERENTIAL CORRECTIONS

TOE -3.9869 TRA .1467 TC3 -.8623 BAU .6949
 ROE .4640 RRA -.2685 RC3 .2300 FAU .02147
 FDE -1.1883 FRA .1907 FC3 -.3192 BSP 10131
 BDE 4.0139 BRA .3059 BC3 .8925 FSP -290

MID-COURSE EXECUTION ACCURACY

SGT 3280.0 SGR 682.6 SG3 92.4
 RRT -.7261 RRF -.8749 RTF .9681
 SGB 3350.2 R23 .2292 R13 -.9732
 SGI 3318.0 SG2 463.9 TMA 171.23

ORBIT DETERMINATION ACCURACY

ST 2994.5 SR 376.0 SS 830.2
 CRT -.9361 CRS .9629 CST -.9963
 LSA 3126.7 MSA 146.5 SSA .6
 EL1 3015.2 EL2 131.3 ALF 173.28

LAUNCH DATE DEC 20 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 27.925 GAL -7.77 AZL 43.83 HCA 181.00 SMA 129.65 ECC .19030 INC46.1674 V1 30.271
 RP 108.75 LAP -.72 LOP 268.59 VP 37.644 GAP 5.88 A7P 136.17 TAL 217.48 TAP 38.47 RCA 104.98 APO 154.32 V2 34.846
 RC 123.903 GL 59.64 GP -72.02 ZAL 99.08 ZAP 97.94 ETS 199.43 ZAE 72.88 ETE 122.17 ZAC 94.88 ETC 26.39 CLP 116.58

PLANETOCENTRIC CONIC

C3 535.136 VML 23.133 OLA 46.21 RAL 313.25 RAD 6572.4 VEL 25.621 PTH 3.36 VHP 26.773 DPA -64.84 RAP 141.69 ECC 9.8070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.82 16 23 25 4885.67 -1.56 226.45 221.76 43.81 17 44 51 4285.7 -7.32 221.29
 128.18 0 17 10 3448.70 -1.55 114.66 221.75 43.81 1 14 39 2848.7 -7.30 109.51
 51.82 16 23 25 4885.67 -1.56 226.45 221.76 43.81 17 44 51 4285.7 -7.32 221.29
 128.18 0 17 10 3448.70 -1.55 114.66 221.75 43.81 1 14 39 2848.7 -7.30 109.51
 51.82 16 23 25 4885.67 -1.56 226.45 221.76 43.81 17 44 51 4285.7 -7.32 221.29
 128.18 0 17 10 3448.70 -1.55 114.66 221.75 43.81 1 14 39 2848.7 -7.30 109.51

DIFFERENTIAL CORRECTIONS

TDE 1.4901 TRA 1.3663 TC3 -.0296 BAU 1.1883
 RD-11.8930 RRA 3.5170 RC3 -.1634 FAU-.01572
 FDE 2.2674 FRA -.5103 FC3 .0254 BSP 6959
 BDE11.9860 BRA 3.7731 BC3 .1661 FSP -120

MID-COURSE EXECUTION ACCURACY

SGT 627.8 SGR 3291.4 SG3 52.0
 RRT -.1782 RRF -.9956 RTF .2694
 SGB 3350.7 R23 -.0870 R13 -.9962
 SG1 3293.4 SG2 617.3 THA 92.02

ORBIT DETERMINATION ACCURACY

ST 397.2 SR 2969.9 SS 1305.2
 CRT -.8746 CRS .9995 CST -.8889
 LSA 3262.5 MSA 193.2 SSA .5
 EL1 2990.2 EL2 191.3 ALF 96.70

LAUNCH DATE DEC 20 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 27.866 GAL -7.48 AZL 76.83 HCA 183.96 SMA 129.23 ECC .18944 INC13.1655 V1 30.271
 RP 108.78 LAP -.90 LOP 271.76 VP 37.592 GAP 6.05 A7P 103.14 TAL 215.90 TAP 39.86 RCA 104.75 APO 153.71 V2 34.838
 RC 126.245 GL 52.33 GP -56.10 ZAL 116.13 ZAP 119.62 ETS 297.47 ZAE 107.91 ETE 209.80 ZAC 75.86 ETC 19.24 CLP-152.40

PLANETOCENTRIC CONIC

C3 63.201 VML 7.950 OLA 33.02 RAL 299.06 RAD 6569.2 VEL 13.585 PTH 2.48 VHP 7.714 DPA -75.82 RAP 336.82 ECC 2.0401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.26 17 6 10 4254.94 -13.65 183.73 187.13 59.64 18 17 5 3654.9 -17.58 176.91
 107.74 21 37 16 3389.08 -13.64 119.38 187.12 59.63 22 33 45 2789.1 -17.57 112.56
 72.26 17 6 10 4254.94 -13.65 183.73 187.13 59.64 18 17 5 3654.9 -17.58 176.91
 107.74 21 37 16 3389.08 -13.64 119.38 187.12 59.63 22 33 45 2789.1 -17.57 112.56
 110.00 22 58 37 3139.10 -21.05 104.33 191.41 62.42 23 50 56 2539.1 -24.57 96.95
 110.00 20 44 0 3552.92 -6.47 127.50 182.57 56.36 21 43 13 2952.9 -10.85 121.15

DIFFERENTIAL CORRECTIONS

TDE 3.2183 TRA-2.7325 TC3 -.8152 BAU .6944
 RDE .3225 RRA .2691 RC3 -.1040 FAU .03401
 FDE 1.6200 FRA -.7420 FC3 -.4659 BSP 11166
 BDE 3.2344 BRA 2.7457 BC3 .8218 FSP -451

MID-COURSE EXECUTION ACCURACY

SGT 3546.3 SGR 367.2 SG3 131.6
 RRT .1613 RRF .4404 RTF .9567
 SGB 3565.3 R23 .2883 R13 .9572
 SG1 3546.8 SG2 362.3 THA .97

ORBIT DETERMINATION ACCURACY

ST 2424.4 SR 242.6 SS 788.7
 CRT .8337 CRS -.8994 CST -.9912
 LSA 2555.7 MSA 164.3 SSA .8
 EL1 2432.9 EL2 133.5 ALF 4.78

LAUNCH DATE DEC 20 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 27.807 GAL -7.22 AZL 81.23 HCA 187.10 SMA 128.82 ECC .18913 INC 8.7731 V1 30.271
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.541 GAP 6.27 A7P 98.71 TAL 214.40 TAP 41.51 RCA 104.46 APO 153.18 V2 34.830
 RC 128.581 GL 42.98 GP -37.90 ZAL 123.08 ZAP 132.92 ETS 310.69 ZAE 120.12 ETE 208.02 ZAC 64.16 ETC 130.77 CLP-149.66

PLANETOCENTRIC CONIC

C3 38.093 VML 6.172 OLA 23.66 RAL 300.64 RAD 6568.5 VEL 12.628 PTH 2.29 VHP 5.811 DPA -57.95 RAP 322.26 ECC 1.6269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 50 1 3222.93 -25.77 112.35 182.59 77.84 22 43 44 2622.9 -27.19 103.97
 90.00 17 6 6 4169.15 -.96 170.26 173.28 61.70 18 15 35 3569.1 -4.73 163.62
 100.00 23 30 18 2899.59 -28.04 89.07 183.10 79.18 24 18 37 2299.6 -29.24 80.48
 100.00 18 8 30 3967.72 1.06 154.34 172.16 60.12 19 14 38 3367.7 -2.92 147.81
 110.00 1 20 19 2567.71 -33.42 64.88 184.12 82.38 2 3 6 1967.7 -34.12 55.71
 110.00 18 38 55 3872.37 5.70 144.23 169.28 56.24 19 43 27 3272.4 1.23 138.00

DIFFERENTIAL CORRECTIONS

TDE 2.0809 TRA-2.3405 TC3-1.5414 BAU .7907
 RDE .3019 RRA .0685 RC3 -.1859 FAU .05622
 FDE 1.6349 FRA -.7859 FC3-1.2776 BSP 11286
 BDE 2.1027 BRA 2.3415 BC3 1.5526 FSP -682

MID-COURSE EXECUTION ACCURACY

SGT 3602.7 SGR 368.8 SG3 201.2
 RRT .6121 RRF .8521 RTF .9322
 SGB 3621.6 R23 .3512 R13 .9340
 SG1 3609.8 SG2 291.0 THA 3.61

ORBIT DETERMINATION ACCURACY

ST 2059.5 SR 281.1 SS 771.7
 CRT .9102 CRS -.9736 CST -.9807
 LSA 2210.0 MSA 179.0 SSA 1.9
 EL1 2075.4 EL2 115.5 ALF 7.10

LAUNCH DATE DEC 20 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 27.748 GAL -6.95 AZL 82.93 HCA 190.26 SMA 128.41 ECC .18895 INC 7.0726 V1 30.271
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.491 GAP 6.48 A7P 96.96 TAL 212.89 TAP 43.15 RCA 104.15 APO 152.67 V2 34.822
 RC 130.911 GL 37.82 GP -27.63 ZAL 125.79 ZAP 140.26 ETS 318.53 ZAE 125.39 ETE 202.87 ZAC 58.72 ETC 137.58 CLP-150.22

PLANETOCENTRIC CONIC

C3 30.586 VML 5.530 OLA 18.80 RAL 302.54 RAD 6568.2 VEL 12.327 PTH 2.22 VHP 5.333 DPA -47.55 RAP 319.91 ECC 1.5034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 58 17 2947.48 -28.21 92.60 178.81 87.41 23 47 25 2347.5 -28.27 83.94
 90.00 16 12 57 4333.89 4.35 179.46 169.85 61.99 17 25 11 3733.9 .57 172.82
 100.00 0 35 1 2648.26 -29.87 70.66 178.87 88.68 1 19 9 2048.3 -29.73 61.86
 100.00 17 22 51 4108.35 5.80 162.08 169.05 60.62 18 31 19 3508.4 1.85 155.53
 110.00 2 8 7 2356.94 -34.13 48.50 178.84 92.03 2 47 24 1756.9 -33.47 39.32
 110.00 18 6 13 3972.43 9.45 149.55 166.82 57.00 19 12 26 3372.4 5.04 143.24

DIFFERENTIAL CORRECTIONS

TDE 1.6753 TRA-2.1618 TC3-2.0245 BAU .8302
 RDE .2142 RRA .0586 RC3 -.1520 FAU .06535
 FDE 1.5185 FRA -.7207 FC3-1.8497 BSP 11557
 BDE 1.6890 BRA 2.1626 BC3 2.0302 FSP -781

MID-COURSE EXECUTION ACCURACY

SGT 3691.1 SGR 285.7 SG3 233.2
 RRT .5784 RRF .8334 RTF .9214
 SGB 3702.2 R23 .3657 R13 .9224
 SG1 3694.8 SG2 232.8 THA 2.57

ORBIT DETERMINATION ACCURACY

ST 1876.4 SR 222.8 SS 733.6
 CRT .8895 CRS -.9722 CST -.9716
 LSA 2018.2 MSA 188.0 SSA 3.2
 EL1 1886.8 EL2 101.2 ALF 6.05

LAUNCH DATE DEC 20 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 398.649

RL 147.18 LAL .00 LOL 87.90 VL 27.689 GAL -6.68 AZL 83.83 MCA 193.43 SMA 128.01 ECC .18887 INC 6.1670 V1 30.271
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.441 GAP 6.69 AZP 96.00 TAL 211.35 TAP 44.77 RCA 103.83 APO 152.18 V2 34.816
 RC 133.236 GL 34.72 GP -21.39 ZAL 126.67 ZAP 144.77 ETS 324.11 ZAE 127.83 ETE 198.61 ZAC 56.41 ETC 142.56 CLP-151.31

PLANETOCENTRIC CONIC

C3 26.902 VHL 5.187 OLA 16.08 RAL 304.37 RAD 6568.1 VEL 12.177 PTH 2.19 VHP 5.195 DPA -41.03 RAP 319.77 ECC 1.4427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 32 57 2811.29 -28.22 82.65 176.97 92.40 24 19 48 2211.3 -27.59 74.04
 90.00 15 52 54 4403.96 6.64 183.52 169.18 62.41 17 6 19 3806.0 2.89 176.84
 100.00 1 7 11 2520.09 -29.69 61.14 176.88 93.68 1 49 11 1920.1 -28.86 52.43
 100.00 17 5 17 4172.40 7.93 165.65 168.48 61.08 18 14 49 3572.4 4.01 159.05
 110.00 2 35 18 2244.40 -33.52 39.78 176.46 97.15 3 12 42 1644.4 -32.16 30.81
 110.00 17 53 39 4020.85 11.24 152.16 166.49 57.50 19 0 40 3420.9 6.87 145.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4780 TRA-2.0499 TC3-2.3873 BAU .8593 SGT 3788.4 SGR 222.9 SG3 245.3 ST 1780.8 SR 187.6 SS 697.9
 ROE .1688 RRA .0593 RC3 -.0976 FAU .06814 RRT .4671 RRF .7395 RTF .9152 CRT .8686 CRS -.9688 CST -.9641
 FOE 1.3925 FRA -.6272 FC3-2.1929 BSP 11854 SGB 3795.0 R23 .3515 R13 .9157 LSA 1912.0 MSA 193.7 SSA 4.5
 BOE 1.4876 BRA 2.0508 BC3 2.3892 FSP -818 SG1 3789.8 SG2 197.0 THA 1.58 EL1 1788.2 EL2 92.6 ALF 5.24

LAUNCH DATE DEC 20 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 404.522

RL 147.18 LAL .00 LOL 87.90 VL 27.630 GAL -6.40 AZL 84.40 MCA 196.59 SMA 127.60 ECC .18888 INC 5.6024 V1 30.271
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.391 GAP 6.90 AZP 95.37 TAL 209.79 TAP 46.38 RCA 103.50 APO 151.71 V2 34.809
 RC 135.553 GL 32.71 GP -17.29 ZAL 126.60 ZAP 147.90 ETS 328.21 ZAE 129.02 ETE 195.40 ZAC 55.69 ETC 146.35 CLP-152.53

PLANETOCENTRIC CONIC

C3 24.599 VHL 4.960 OLA 14.48 RAL 306.17 RAD 6568.0 VEL 12.082 PTH 2.16 VHP 5.175 DPA -36.57 RAP 320.49 ECC 1.4048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 54 49 2731.95 -27.86 76.87 176.35 95.27 24 40 21 2132.0 -26.84 68.36
 90.00 15 45 21 4441.08 7.74 185.51 169.42 62.68 16 59 22 3841.1 4.02 178.81
 100.00 1 27 51 2444.62 -29.23 55.58 176.19 96.57 2 8 36 1844.6 -28.01 46.99
 100.00 16 58 56 4203.65 8.95 167.41 168.77 61.36 18 9 0 3603.6 5.06 160.78
 110.00 2 53 27 2176.81 -32.82 34.62 175.57 100.13 3 29 43 1576.8 -31.08 25.84
 110.00 17 49 50 4044.22 12.09 153.44 166.90 57.78 18 57 15 3444.2 7.75 147.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3655 TRA-1.9672 TC3-2.6967 BAU .8870 SGT 3892.7 SGR 188.9 SG3 248.6 ST 1729.4 SR 171.1 SS 669.6
 ROE .1470 RRA .0582 RC3 -.0455 FAU .06824 RRT .3067 RRF .5799 RTF .9111 CRT .8561 CRS -.9682 CST -.9578
 FOE 1.2843 FRA -.5330 FC3-2.4015 BSP 12250 SGB 3897.3 R23 .3151 R13 .9113 LSA 1851.8 MSA 198.4 SSA 5.9
 BOE 1.3734 BRA 1.9680 BC3 2.6971 FSP -831 SG1 3893.1 SG2 179.8 THA .85 EL1 1735.6 EL2 88.1 ALF 4.85

LAUNCH DATE DEC 20 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 410.383

RL 147.18 LAL .00 LOL 87.90 VL 27.571 GAL -6.12 AZL 84.79 MCA 199.75 SMA 127.21 ECC .18900 INC 5.2144 V1 30.271
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.343 GAP 7.10 AZP 94.91 TAL 208.20 TAP 47.96 RCA 103.17 APO 151.25 V2 34.804
 RC 137.863 GL 31.34 GP -14.43 ZAL 125.98 ZAP 150.30 ETS 331.29 ZAE 129.63 ETE 192.98 ZAC 55.86 ETC 149.34 CLP-153.75

PLANETOCENTRIC CONIC

C3 22.945 VHL 4.790 OLA 13.57 RAL 307.97 RAD 6567.9 VEL 12.013 PTH 2.14 VHP 5.206 DPA -33.28 RAP 321.63 ECC 1.3776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 14 5 2682.88 -27.50 73.33 176.44 97.02 0 58 48 2082.9 -26.25 64.89
 90.00 15 44 24 4456.09 8.21 186.37 170.10 62.80 16 58 40 3856.1 4.50 179.65
 100.00 1 42 32 2397.59 -28.81 52.14 176.24 98.33 2 22 30 1797.6 -27.36 43.64
 100.00 16 58 37 4216.62 9.37 168.14 169.48 61.49 18 8 54 3616.6 5.49 161.50
 110.00 3 6 47 2134.01 -32.27 31.41 175.52 101.95 3 42 21 1534.0 -30.28 22.76
 110.00 17 50 52 4052.96 12.40 153.92 167.68 57.89 18 58 25 3453.0 8.07 147.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3025 TRA-1.8916 TC3-2.9710 BAU .9114 SGT 3993.3 SGR 177.7 SG3 247.4 ST 1709.4 SR 165.7 SS 649.9
 ROE .1375 RRA .0547 RC3 .0005 FAU .06693 RRT .1382 RRF .3893 RTF .9077 CRT .8548 CRS -.9712 CST -.9529
 FOE 1.1987 FRA -.4403 FC3-2.5254 BSP 12582 SGB 3997.2 R23 .2662 R13 .9078 LSA 1825.1 MSA 201.7 SSA 7.2
 BOE 1.3097 BRA 1.8924 BC3 2.9710 FSP -825 SG1 3993.3 SG2 176.0 THA .35 EL1 1715.3 EL2 85.7 ALF 4.75

LAUNCH DATE DEC 20 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 416.233

RL 147.18 LAL .00 LOL 87.90 VL 27.513 GAL -5.82 AZL 85.07 MCA 202.91 SMA 126.82 ECC .18923 INC 4.9300 V1 30.271
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.295 GAP 7.30 AZP 94.54 TAL 206.60 TAP 49.52 RCA 102.82 APO 150.81 V2 34.799
 RC 140.164 GL 30.36 GP -12.33 ZAL 124.97 ZAP 152.27 ETS 333.65 ZAE 129.93 ETE 191.13 ZAC 56.58 ETC 151.75 CLP-154.96

PLANETOCENTRIC CONIC

C3 21.653 VHL 4.653 OLA 13.09 RAL 309.80 RAD 6567.9 VEL 11.960 PTH 2.13 VHP 5.264 DPA -30.71 RAP 323.04 ECC 1.3563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 25 33 2652.35 -27.23 71.13 177.00 98.08 1 9 46 2052.3 -25.83 62.75
 90.00 15 47 33 4458.31 8.28 186.50 171.04 62.83 17 1 52 3858.5 4.57 179.79
 100.00 1 53 42 2368.07 -28.50 50.00 176.77 99.42 2 33 10 1768.1 -26.91 41.57
 100.00 17 2 5 4218.02 9.42 168.22 170.43 61.50 18 12 23 3618.0 5.54 161.58
 110.00 3 17 15 2106.62 -31.86 29.38 176.00 103.09 3 52 22 1506.6 -29.73 20.81
 110.00 17 55 1 4052.24 12.38 153.88 168.67 57.88 19 2 34 3452.2 8.05 147.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2647 TRA-1.8219 TC3-3.2339 BAU .9362 SGT 4097.2 SGR 180.5 SG3 244.6 ST 1706.0 SR 166.5 SS 634.1
 ROE .1344 RRA .0490 RC3 .0399 FAU .06523 RRT .0042 RRF .2173 RTF .9056 CRT .8615 CRS -.9764 CST -.9494
 FOE 1.1253 FRA -.3579 FC3-2.6081 BSP 12988 SGB 4101.2 R23 .2135 R13 .9056 LSA 1816.2 MSA 203.4 SSA 8.5
 BOE 1.2718 BRA 1.8225 BC3 3.2342 FSP -823 SG1 4097.2 SG2 180.5 THA .01 EL1 1712.0 EL2 84.2 ALF 4.82

LAUNCH DATE DEC 20 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 422.119

RL 147.18 LAL .00 LOL 87.90 VL 27.455 GAL -5.51 AZL 85.29 MCA 206.08 SMA 126.43 ECC .18946 INC 4.7114 V1 30.271
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.248 GAP 7.50 AZP 94.23 TAL 204.94 TAP 51.01 RCA 102.48 APO 150.39 V2 34.795
 RC 142.456 GL 29.67 GP -10.74 ZAL 123.64 ZAP 153.93 ETS 335.52 ZAE 130.10 ETE 189.70 ZAC 57.68 ETC 153.75 CLP-156.10

PLANETOCENTRIC CONIC

C3 20.557 VHL 4.534 DLA 12.96 RAL 311.73 RAD 6567.8 VEL 11.914 PTH 2.12 VHP 5.332 DPA -28.60 RAP 324.66 ECC 1.3383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 23 2635.29 -27.06 69.92 177.92 98.67 1 18 19 2035.3 -25.58 61.56
 90.00 15 54 5 4450.62 8.04 186.05 172.20 62.76 17 8 16 3850.6 4.32 179.34
 100.00 2 2 27 2351.30 -28.31 48.79 177.69 100.03 2 41 38 1751.3 -26.63 40.39
 100.00 17 8 42 4209.85 9.15 167.76 171.60 61.42 18 18 52 3609.9 5.27 161.12
 110.00 3 25 49 2090.43 -31.61 28.18 176.89 103.76 4 0 40 1490.4 -29.39 19.68
 110.00 18 1 50 4043.48 12.06 153.40 169.86 57.77 19 9 13 3443.5 7.72 146.99

DIFFERENTIAL CORRECTIONS

TDE 1.6736 TRA-1.3269 TC3-2.6739 BAU .7357
 RDE .1557 RRA .0671 RC3 .1245 FAU .03638
 FDE 1.5974 FRA .2991 FC3-1.5322 BSP 3290
 BDE 1.6809 BRA 1.3286 BC3 2.6768 FSP 345

MID-COURSE EXECUTION ACCURACY

SGT 3648.6 SGR 243.0 SG3 214.4
 RRT -.0083 RRF .4546 RTF .7700
 SGB 3656.7 R23 -.4611 R13 -.7700
 SG1 3648.6 SG2 242.9 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 2178.3 SR 198.5 SS 931.7
 CRT .9306 CRS -.9965 CST -.9562
 LSA 2363.2 MSA 260.2 SSA 6.5
 EL1 2186.1 EL2 72.4 ALF 4.85

LAUNCH DATE DEC 20 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 427.901

RL 147.18 LAL .00 LOL 87.90 VL 27.397 GAL -5.21 AZL 85.46 MCA 209.24 SMA 126.05 ECC .19001 INC 4.5372 V1 30.271
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.202 GAP 7.70 AZP 93.96 TAL 203.33 TAP 52.57 RCA 102.10 APO 150.00 V2 34.791
 RC 144.737 GL 29.11 GP -9.48 ZAL 122.18 ZAP 155.47 ETS 336.98 ZAE 130.14 ETE 188.52 ZAC 58.97 ETC 155.41 CLP-157.27

PLANETOCENTRIC CONIC

C3 19.681 VHL 4.436 DLA 12.97 RAL 313.64 RAD 6567.8 VEL 11.877 PTH 2.11 VHP 5.418 DPA -26.80 RAP 326.32 ECC 1.3239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 53 2625.47 -26.96 69.21 179.06 99.01 1 25 39 2025.5 -25.44 60.88
 90.00 16 1 52 4439.67 7.70 185.43 173.48 62.67 17 15 52 3839.7 3.97 178.73
 100.00 2 9 58 2341.44 -28.19 48.09 178.82 100.38 2 48 59 1741.4 -26.47 39.71
 100.00 17 16 29 4198.94 8.80 167.14 172.89 61.32 18 26 28 3598.9 4.90 160.52
 110.00 3 33 21 2080.50 -31.44 27.46 178.01 104.16 4 8 2 1480.5 -29.18 18.98
 110.00 18 9 35 4032.64 11.67 152.81 171.17 57.64 19 16 47 3432.6 7.31 146.42

DIFFERENTIAL CORRECTIONS

TDE 1.2600 TRA-1.6580 TC3-3.6994 BAU .9737
 RDE .1387 RRA .0350 RC3 .1063 FAU .05992
 FDE 1.0381 FRA -.1826 FC3-2.6360 BSP 13357
 BDE 1.2676 BRA 1.6584 BC3 3.7009 FSP -759

MID-COURSE EXECUTION ACCURACY

SGT 4272.0 SGR 207.7 SG3 233.9
 RRT -.1353 RRF .0147 RTF .8986
 SGB 4277.1 R23 -.1378 R13 -.8985
 SG1 4272.1 SG2 205.8 THA 179.62

ORBIT DETERMINATION ACCURACY

ST 1758.5 SR 179.7 SS 629.5
 CRT .8926 CRS -.9891 CST -.9459
 LSA 1864.9 MSA 207.0 SSA 10.8
 EL1 1765.8 EL2 80.7 ALF 5.22

LAUNCH DATE DEC 20 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 433.718

RL 147.18 LAL .00 LOL 87.90 VL 27.340 GAL -4.89 AZL 85.61 MCA 212.40 SMA 125.68 ECC .19058 INC 4.3943 V1 30.271
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.158 GAP 7.90 AZP 93.71 TAL 201.67 TAP 54.07 RCA 101.73 APO 149.63 V2 34.788
 RC 147.008 GL 28.70 GP -8.48 ZAL 120.49 ZAP 156.85 ETS 338.16 ZAE 130.16 ETE 187.59 ZAC 60.47 ETC 156.85 CLP-158.38

PLANETOCENTRIC CONIC

C3 18.895 VHL 4.347 DLA 13.20 RAL 315.68 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 5.508 DPA -25.20 RAP 328.12 ECC 1.3110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 2 2623.66 -26.94 69.09 180.46 99.07 1 31 45 2023.7 -25.41 60.75
 90.00 16 11 57 4422.24 7.15 184.44 174.94 62.53 17 25 39 3822.2 3.41 177.75
 100.00 2 16 15 2339.15 -28.16 47.92 180.22 100.46 2 55 14 1739.1 -26.43 39.55
 100.00 17 26 25 4181.98 8.24 166.19 174.35 61.16 18 36 7 3582.0 4.33 159.58
 110.00 3 39 58 2077.21 -31.39 27.22 179.41 104.29 4 14 35 1477.2 -29.11 18.75
 110.00 18 19 11 4016.68 11.08 151.94 172.64 57.45 19 26 8 3416.7 6.71 145.57

DIFFERENTIAL CORRECTIONS

TDE 1.2883 TRA-1.5767 TC3-3.9379 BAU .9953
 RDE .1428 RRA .0262 RC3 .1327 FAU .05765
 FDE .9972 FRA -.1126 FC3-2.6414 BSP 13701
 BDE 1.2763 BRA 1.5769 BC3 3.9401 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 4367.1 SGR 223.6 SG3 229.0
 RRT -.1599 RRF -.0388 RTF .8972
 SGB 4372.8 R23 -.1064 R13 -.8971
 SG1 4367.3 SG2 220.7 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 1793.1 SR 188.5 SS 626.7
 CRT .9094 CRS -.9933 CST -.9459
 LSA 1897.6 MSA 205.8 SSA 12.0
 EL1 1801.3 EL2 78.0 ALF 5.47

LAUNCH DATE DEC 20 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 439.524

RL 147.18 LAL .00 LOL 87.90 VL 27.283 GAL -4.56 AZL 85.73 MCA 215.56 SMA 125.31 ECC .19128 INC 4.2743 V1 30.271
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.114 GAP 8.10 AZP 93.48 TAL 199.99 TAP 55.55 RCA 101.34 APO 149.28 V2 34.786
 RC 149.266 GL 28.36 GP -7.66 ZAL 118.62 ZAP 158.12 ETS 339.11 ZAE 130.15 ETE 186.82 ZAC 62.11 ETC 158.09 CLP-159.44

PLANETOCENTRIC CONIC

C3 18.209 VHL 4.267 DLA 13.57 RAL 317.80 RAD 6567.7 VEL 11.815 PTH 2.09 VHP 5.602 DPA -23.76 RAP 329.98 ECC 1.2997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 18 2627.63 -26.98 69.37 182.08 98.93 1 37 5 2027.6 -25.47 61.03
 90.00 16 23 36 4400.89 6.48 183.23 176.57 62.37 17 36 57 3800.9 2.73 176.56
 100.00 2 21 45 2342.34 -28.20 48.15 181.85 100.35 3 0 48 1742.3 -26.48 39.77
 100.00 17 37 50 4161.42 7.57 165.04 175.98 60.99 18 47 11 3561.4 3.64 158.45
 110.00 3 46 0 2078.76 -31.41 27.33 181.04 104.23 4 20 38 1478.8 -29.14 18.86
 110.00 18 30 5 3997.76 10.39 150.91 174.27 57.25 19 36 42 3397.8 6.00 144.57

DIFFERENTIAL CORRECTIONS

TDE 1.2878 TRA-1.4872 TC3-4.1678 BAU 1.0153
 RDE .1477 RRA .0171 RC3 .1560 FAU .05525
 FDE .9653 FRA -.0434 FC3-2.6267 BSP 14006
 BDE 1.2963 BRA 1.4873 BC3 4.1708 FSP -730

MID-COURSE EXECUTION ACCURACY

SGT 4456.7 SGR 240.0 SG3 223.8
 RRT -.1676 RRF -.0690 RTF .8956
 SGB 4463.2 R23 -.0826 R13 -.8955
 SG1 4456.9 SG2 236.6 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 1838.8 SR 198.5 SS 628.2
 CRT .9265 CRS -.9962 CST -.9467
 LSA 1942.6 MSA 203.9 SSA 13.1
 EL1 1848.0 EL2 74.3 ALF 5.72

LAUNCH DATE DEC 20 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 445.319

RL 147.18 LAL .00 LOL 87.90 VL 27.226 GAL -4.22 AZL 85.83 MCA 218.72 SMA 124.95 ECC .19211 INC 4.1716 V1 30.271
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.071 GAP 8.30 AZP 93.26 TAL 198.30 TAP 57.02 RCA 100.94 APO 148.95 V2 34.785
 RC 151.511 GL 28.08 GP -6.99 ZAL 116.60 ZAP 159.31 ETS 339.87 ZAE 130.14 ETE 186.19 ZAC 63.86 ETC 159.18 CLP-160.48

PLANETOCENTRIC CONIC

C3 17.608 VHL 4.196 DLA 14.05 RAL 320.02 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 5.701 CPA -22.41 RAP 331.90 ECC 1.2898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 54 2636.55 -27.07 70.00 183.91 98.63 1 41 51 2036.5 -25.60 61.65
 90.00 16 36 42 4376.35 5.70 181.85 178.36 62.22 17 49 38 3776.3 1.94 175.19
 100.00 2 26 42 2350.20 -28.30 48.72 183.68 100.07 3 5 52 1750.2 -26.61 40.32
 100.00 17 50 35 4137.93 6.79 163.73 177.77 60.82 18 59 33 3537.9 2.85 157.16
 110.00 3 51 38 2084.43 -31.51 27.74 182.89 104.00 4 26 22 1484.4 -29.26 19.26
 110.00 18 42 8 3976.46 9.60 149.77 176.06 57.03 19 48 25 3376.5 5.19 143.45

DIFFERENTIAL CORRECTIONS

TDE 1.3142 TRA-1.3919 TC3-4.3942 BAU 1.0352
 ROE .1530 RRA .0077 RC3 .1763 FAU .05291
 FDE .9371 FRA .0214 FC3-2.6014 BSP 14313
 BOE 1.3230 BRA 1.3919 BC3 4.3977 FSP -715

MID-COURSE EXECUTION ACCURACY

SGT 4545.1 SGR 256.2 SG3 218.7
 RRT -.1647 RRF -.0854 RTF .8944
 SGB 4552.3 R23 -.0633 R13 -.8944
 SG1 4545.3 SG2 252.7 TMA 179.47

ORBIT DETERMINATION ACCURACY

ST 1891.4 SR 209.0 SS 631.1
 CRT .9423 CRS -.9973 CST -.9482
 LSA 1994.7 MSA 200.8 SSA 14.2
 EL1 1901.7 EL2 69.6 ALF 5.95

LAUNCH DATE DEC 20 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 451.102

RL 147.18 LAL .00 LOL 87.90 VL 27.170 GAL -3.87 AZL 85.92 MCA 221.88 SMA 124.59 ECC .19309 INC 4.0820 V1 30.271
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.029 GAP 8.50 AZP 93.04 TAL 196.59 TAP 58.47 RCA 100.53 APO 148.65 V2 34.784
 RC 153.743 GL 27.83 GP -6.42 ZAL 114.43 ZAP 160.43 ETS 340.49 ZAE 130.13 ETE 185.65 ZAC 65.70 ETC 160.14 CLP-161.48

PLANETOCENTRIC CONIC

C3 17.086 VHL 4.133 DLA 14.62 RAL 322.34 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 5.805 CPA -21.15 RAP 333.86 ECC 1.2812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 0 2649.84 -27.21 70.95 185.94 98.17 1 46 10 2049.8 -25.80 62.57
 90.00 16 51 7 4349.12 4.83 180.32 180.33 62.06 18 3 36 3749.1 1.06 173.67
 100.00 2 31 12 2362.18 -28.43 49.58 185.73 99.63 3 10 34 1762.2 -26.81 41.15
 100.00 18 4 36 4112.01 5.92 162.29 179.73 60.65 19 13 8 3512.0 1.97 155.73
 110.00 3 57 0 2093.71 -31.66 28.43 184.96 103.62 4 31 54 1493.7 -29.46 19.91
 110.00 18 55 17 3953.24 8.74 148.52 178.01 56.82 20 1 11 3353.2 4.31 142.23

DIFFERENTIAL CORRECTIONS

TDE 1.3483 TRA-1.2885 TC3-4.6113 BAU 1.0542
 ROE .1586 RRA -.0019 RC3 .1937 FAU .05059
 FDE .9133 FRA .0836 FC3-2.5633 BSP 14603
 BOE 1.3576 BRA 1.2885 BC3 4.6154 FSP -699

MID-COURSE EXECUTION ACCURACY

SGT 4629.5 SGR 272.0 SG3 213.5
 RRT -.1543 RRF -.0912 RTF .8935
 SGB 4637.5 R23 -.0478 R13 -.8935
 SG1 4629.7 SG2 268.7 TMA 179.48

ORBIT DETERMINATION ACCURACY

ST 1952.6 SR 219.9 SS 635.9
 CRT .9567 CRS -.9969 CST -.9505
 LSA 2055.8 MSA 196.8 SSA 15.3
 EL1 1963.9 EL2 63.6 ALF 6.16

LAUNCH DATE DEC 20 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 456.874

RL 147.18 LAL .00 LOL 87.90 VL 27.115 GAL -3.51 AZL 86.00 MCA 225.04 SMA 124.24 ECC .19422 INC 4.0029 V1 30.271
 RP 108.94 LAP -2.83 LOP 312.87 VP 36.989 GAP 8.71 AZP 92.83 TAL 194.87 TAP 59.91 RCA 100.11 APO 148.37 V2 34.784
 RC 155.962 GL 27.59 GP -5.93 ZAL 112.12 ZAP 161.50 ETS 340.96 ZAE 130.12 ETE 185.20 ZAC 67.61 ETC 161.00 CLP-162.45

PLANETOCENTRIC CONIC

C3 16.638 VHL 4.079 DLA 15.28 RAL 324.77 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 5.912 CPA -19.93 RAP 335.86 ECC 1.2738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 43 2667.11 -27.37 72.19 188.18 97.57 1 50 10 2067.1 -26.04 63.78
 90.00 17 6 48 4319.64 3.89 178.66 182.49 61.93 18 18 48 3719.6 .11 172.03
 100.00 2 35 24 2377.90 -28.61 50.71 187.98 99.06 3 15 2 1777.9 -27.06 42.25
 100.00 18 19 48 4084.08 4.99 160.74 181.88 60.49 19 27 52 3484.1 1.02 154.20
 110.00 4 2 13 2106.25 -31.86 29.35 187.24 103.11 4 37 19 1506.2 -29.72 20.79
 110.00 19 9 29 3928.50 7.81 147.20 180.14 56.62 20 14 57 3328.5 3.37 140.93

DIFFERENTIAL CORRECTIONS

TDE 1.3911 TRA-1.1754 TC3-4.8130 BAU 1.0716
 ROE .1644 RRA -.0115 RC3 .2083 FAU .04821
 FDE .8945 FRA .1450 FC3-2.5087 BSP 14832
 BOE 1.4007 BRA 1.1754 BC3 4.8175 FSP -679

MID-COURSE EXECUTION ACCURACY

SGT 4707.9 SGR 287.2 SG3 208.3
 RRT -.1384 RRF -.0881 RTF .8925
 SGB 4716.6 R23 -.0362 R13 -.8925
 SG1 4708.0 SG2 284.5 TMA 179.51

ORBIT DETERMINATION ACCURACY

ST 2023.7 SR 231.1 SS 643.4
 CRT .9693 CRS -.9949 CST -.9532
 LSA 2127.4 MSA 192.2 SSA 16.3
 EL1 2036.1 EL2 56.5 ALF 6.32

LAUNCH DATE DEC 20 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 462.634

RL 147.18 LAL .00 LOL 87.90 VL 27.060 GAL -3.14 AZL 86.07 MCA 228.20 SMA 123.89 ECC .19550 INC 3.9320 V1 30.271
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.950 GAP 8.91 AZP 92.62 TAL 193.13 TAP 61.33 RCA 99.67 APO 148.11 V2 34.785
 RC 158.168 GL 27.35 GP -5.51 ZAL 109.68 ZAP 162.53 ETS 341.33 ZAE 130.12 ETE 184.82 ZAC 69.58 ETC 161.77 CLP-163.39

PLANETOCENTRIC CONIC

C3 16.264 VHL 4.033 DLA 16.00 RAL 327.31 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 6.024 CPA -18.76 RAP 337.88 ECC 1.2677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 9 8 2688.06 -27.55 73.70 190.63 96.83 1 53 56 2088.1 -26.31 65.25
 90.00 17 23 42 4288.29 2.89 176.91 184.84 61.82 18 35 10 3688.3 -.90 170.28
 100.00 2 39 22 2397.05 -28.81 52.10 190.44 98.35 3 19 19 1797.0 -27.35 43.60
 100.00 18 36 9 4054.53 4.00 159.11 184.22 60.35 19 43 43 3454.5 .02 152.58
 110.00 4 7 21 2121.76 -32.09 30.50 189.74 102.47 4 42 43 1521.8 -30.04 21.88
 110.00 19 24 39 3902.59 6.84 145.83 182.46 56.43 20 29 41 3302.6 2.38 139.58

DIFFERENTIAL CORRECTIONS

TDE 1.4368 TRA-1.0564 TC3-5.0076 BAU 1.0899
 ROE .1704 RRA -.0209 RC3 .2198 FAU .04602
 FDE .8754 FRA .2016 FC3-2.4496 BSP 15117
 BOE 1.4469 BRA 1.0566 BC3 5.0124 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 4787.3 SGR 301.7 SG3 203.3
 RRT -.1202 RRF -.0823 RTF .8923
 SGB 4796.8 R23 -.0256 R13 -.8923
 SG1 4787.4 SG2 299.5 TMA 179.56

ORBIT DETERMINATION ACCURACY

ST 2097.8 SR 242.3 SS 649.7
 CRT .9794 CRS -.9915 CST -.9562
 LSA 2201.5 MSA 186.5 SSA 17.3
 EL1 2111.2 EL2 48.7 ALF 6.46

LAUNCH DATE DEC 20 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 27 1966

Heliocentric Conic
 RL 147.18 LAL .00 LOL 87.90 VL 27.006 GAL -2.76 AZL 86.13 MCA 231.36 SMA 123.55 ECC .19696 INC 3.8678 V1 30.271
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.911 GAP 9.12 A2P 92.42 TAL 191.38 TAP 62.75 RCA 99.22 APO 147.89 V2 34.787
 RC 160.359 GL 27.09 GP -5.15 ZAL 107.10 ZAP 163.51 ETS 341.58 ZAE 130.13 ETE 184.49 ZAC 71.61 ETC 162.46 CLP-164.31

Planetocentric Conic
 C3 15.964 VHL 3.996 DLA 16.78 RAL 329.98 RAD 6567.6 VEL 11.720 PTH 2.06 VHP 6.139 DPA -17.61 RAP 339.93 ECC 1.2627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 19 2712.48 -27.73 75.46 193.30 95.97 1 57 31 2112.5 -26.62 66.97
 90.00 17 41 46 4255.41 1.83 175.07 187.39 61.74 18 52 41 3655.4 -1.97 168.44
 100.00 2 43 11 2419.41 -29.02 53.73 193.12 97.52 3 23 31 1819.4 -27.67 45.19
 100.00 18 53 34 4023.71 2.96 157.41 186.76 60.24 20 0 38 3423.7 -1.03 150.89
 110.00 4 12 29 2140.01 -32.35 31.86 192.47 101.70 4 48 9 1540.0 -30.40 23.19
 110.00 19 40 46 3875.87 5.83 144.41 184.98 56.26 20 45 21 3275.9 1.36 138.18

Differential Corrections
 TDE 1.4883 TRA -.9291 TC3-5.1852 BAU 1.1078 SGT 4864.2 SGR 315.4 SG3 198.5 ST 2178.2 SR 253.7 S5 656.7
 RDE .1766 RRA -.0302 RC3 .2284 FAU .04389 RRT -.0995 RRF -.0724 RTF .8926 CRT .9872 CRS -.9870 CST -.9594
 FDE .8587 FRA .2554 FC3-2.3802 BSP 15399 SGB 4874.4 R23 -.0169 R13 -.8926 LSA 2282.0 MSA 180.4 SSA 18.3
 BDE 1.4987 BRA .9296 BC3 5.1902 FSP -651 SG1 4864.3 SG2 313.9 THA 179.63 EL1 2192.6 EL2 40.2 ALF 6.56

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 29 1966

Heliocentric Conic
 RL 147.18 LAL .00 LOL 87.90 VL 26.952 GAL -2.36 AZL 86.19 MCA 234.53 SMA 123.22 ECC .19859 INC 3.8091 V1 30.271
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.874 GAP 9.34 A2P 92.21 TAL 189.62 TAP 64.15 RCA 98.75 APO 147.69 V2 34.789
 RC 162.536 GL 26.80 GP -4.84 ZAL 104.41 ZAP 164.46 ETS 341.73 ZAE 130.15 ETE 184.21 ZAC 73.68 ETC 163.09 CLP-165.21

Planetocentric Conic
 C3 15.741 VHL 3.968 DLA 17.59 RAL 332.76 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 6.260 DPA -16.48 RAP 342.01 ECC 1.2591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 19 2740.19 -27.91 77.47 196.17 94.98 2 0 59 2140.2 -26.93 68.94
 90.00 18 0 57 4221.32 .73 173.17 190.16 61.69 19 11 19 3621.3 -3.06 166.54
 100.00 2 46 55 2444.79 -29.23 55.59 196.02 96.56 3 27 40 1844.8 -28.01 47.00
 100.00 19 12 2 3991.95 1.88 155.67 189.52 60.16 20 18 34 3392.0 -2.10 149.14
 110.00 4 17 41 2160.81 -32.63 33.42 195.42 100.82 4 53 42 1560.8 -30.79 24.68
 110.00 19 57 46 3848.69 4.80 142.98 187.70 56.12 21 1 54 3248.7 .32 136.77

Differential Corrections
 TDE 1.5448 TRA -.7928 TC3-5.3401 BAU 1.1249 SGT 4937.1 SGR 328.4 SG3 193.7 ST 2263.4 SR 265.1 S5 663.7
 RDE .1831 RRA -.0390 RC3 .2338 FAU .04180 RRT -.0772 RRF -.0597 RTF .8931 CRT .9927 CRS -.9815 CST -.9626
 FDE .8433 FRA .3075 FC3-2.2991 BSP 15672 SGB 4948.0 R23 -.0096 R13 -.8931 LSA 2367.0 MSA 174.1 SSA 19.3
 BDE 1.5556 BRA .7938 BC3 5.3452 FSP -637 SG1 4937.2 SG2 327.4 THA 179.70 EL1 2278.6 EL2 31.8 ALF 6.63

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 162.00

ARRIVAL DATE MAY 31 1966

Heliocentric Conic
 RL 147.18 LAL .00 LOL 87.90 VL 26.899 GAL -1.96 AZL 86.25 MCA 237.69 SMA 122.89 ECC .20042 INC 3.7547 V1 30.271
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.838 GAP 9.56 A2P 92.01 TAL 187.85 TAP 65.54 RCA 98.26 APO 147.52 V2 34.792
 RC 164.699 GL 26.47 GP -4.56 ZAL 101.60 ZAP 165.37 ETS 341.78 ZAE 130.18 ETE 183.97 ZAC 75.79 ETC 163.66 CLP-166.09

Planetocentric Conic
 C3 15.598 VHL 3.949 DLA 18.44 RAL 335.66 RAD 6567.6 VEL 11.704 PTH 2.06 VHP 6.386 DPA -15.37 RAP 344.09 ECC 1.2567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 12 2771.01 -28.07 79.71 199.26 93.86 2 4 23 2171.0 -27.24 71.14
 90.00 18 21 13 4186.37 -.40 171.22 193.14 61.69 19 31 0 3586.4 -4.18 164.58
 100.00 2 50 37 2472.99 -29.43 57.66 199.14 95.49 3 31 50 1873.0 -28.36 49.02
 100.00 19 31 29 3959.62 .79 153.89 192.48 60.12 20 37 29 3359.6 -3.19 147.37
 110.00 4 23 0 2183.96 -32.91 35.17 198.59 99.82 4 59 24 1584.0 -31.20 26.36
 110.00 20 15 36 3821.42 3.77 141.55 190.62 56.00 21 19 17 3221.4 -.72 135.33

Differential Corrections
 TDE 1.6096 TRA -.6433 TC3-5.4595 BAU 1.1396 SGT 5001.8 SGR 340.8 SG3 188.9 ST 2357.2 SR 276.7 S5 672.8
 RDE .1901 RRA -.0474 RC3 .2363 FAU .03963 RRT -.0527 RRF -.0422 RTF .8932 CRT .9961 CRS -.9750 CST -.9659
 FDE .8320 FRA .3609 FC3-2.1995 BSP 15837 SGB 5013.4 R23 -.0051 R13 -.8932 LSA 2461.1 MSA 168.2 SSA 20.1
 BDE 1.6208 BRA .6451 BC3 5.4646 FSP -617 SG1 5001.8 SG2 340.3 THA 179.79 EL1 2373.3 EL2 24.3 ALF 6.67

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 2 1966

Heliocentric Conic
 RL 147.18 LAL .00 LOL 87.90 VL 26.846 GAL -1.54 AZL 86.30 MCA 240.85 SMA 122.57 ECC .20245 INC 3.7040 V1 30.271
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.803 GAP 9.79 A2P 91.81 TAL 186.07 TAP 66.92 RCA 97.76 APO 147.39 V2 34.796
 RC 166.847 GL 26.09 GP -4.32 ZAL 98.68 ZAP 166.26 ETS 341.73 ZAE 130.21 ETE 183.77 ZAC 77.94 ETC 164.17 CLP-166.94

Planetocentric Conic
 C3 15.540 VHL 3.942 DLA 19.30 RAL 338.68 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 6.517 DPA -14.26 RAP 346.20 ECC 1.2558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 0 2804.74 -28.20 82.17 202.57 92.64 2 7 45 2204.7 -27.54 73.57
 90.00 18 42 30 4150.95 -1.54 169.25 196.35 61.72 19 51 41 3551.0 -5.31 162.59
 100.00 2 54 20 2503.78 -29.61 59.93 202.47 94.31 3 36 4 1903.8 -28.70 51.25
 100.00 19 51 51 3927.14 -.31 152.11 195.67 60.11 20 57 18 3327.1 -4.29 145.58
 110.00 4 28 29 2209.23 -33.19 37.09 201.99 98.71 5 5 18 1609.2 -31.63 28.21
 110.00 20 34 11 3794.46 2.74 140.14 193.76 55.91 21 37 26 3194.5 -1.75 133.94

Differential Corrections
 TDE 1.6745 TRA -.4881 TC3-5.5575 BAU 1.1557 SGT 5068.2 SGR 352.3 SG3 184.3 ST 2447.7 SR 288.3 S5 678.8
 RDE .1975 RRA -.0552 RC3 .2355 FAU .03766 RRT -.0285 RRF -.0255 RTF .8944 CRT .9973 CRS -.9680 CST -.9689
 FDE .8185 FRA .4097 FC3-2.0981 BSP 16102 SGB 5080.5 R23 -.0001 R13 -.8944 LSA 2551.1 MSA 162.3 SSA 20.8
 BDE 1.6861 BRA .4912 BC3 5.5625 FSP -606 SG1 5068.2 SG2 352.2 THA 179.89 EL1 2464.5 EL2 20.9 ALF 6.70

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 491.233

RL 147.18 LAL .00 LOL 87.90 VL 26.794 GAL -1.10 AZL 86.34 MCA 244.01 SMA 122.26 ECC .20470 INC 3.6564 V1 30.271
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.769 GAP 10.03 AZP 91.60 TAL 184.28 TAP 68.30 RCA 97.23 APO 147.28 V2 34.800
 RC 168.980 GL 25.65 GP -4.10 ZAL 95.68 ZAP 167.12 ETS 341.58 ZAE 130.26 ETE 183.59 ZAC 80.12 ETC 164.64 CLP-167.78

PLANETOCENTRIC CONIC

C3 15.573 VHL 3.946 DLA 20.17 RAL 341.81 RAD 6567.6 VEL 11.703 PTH 2.06 VHP 6.654 DPA -13.16 RAP 348.31 ECC 1.2583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 46 2841.19 -28.29 84.83 206.08 91.31 21 1 8 2241.2 -27.81 76.20
 90.00 19 4 41 4115.44 -2.69 167.26 199.78 61.80 20 13 16 3515.4 -6.44 160.59
 100.00 2 58 7 2536.95 -29.75 62.39 206.01 93.02 3 40 24 1937.0 -29.02 53.66
 100.00 20 13 1 3894.92 -1.41 150.34 199.07 60.14 21 17 56 3294.9 -5.37 143.80
 110.00 4 34 12 2236.39 -33.45 39.16 205.61 97.51 5 11 28 1636.4 -32.05 30.21
 110.00 20 53 26 3768.25 1.74 138.77 197.11 55.86 21 56 15 3168.2 -2.75 132.57

DIFFERENTIAL CORRECTIONS

TOE 1.7434 TRA -.3227 TC3-5.6171 BAU 1.1704
 RDE .2056 RRA -.0622 RC3 .2316 FAU .03569
 FDE .8060 FRA .4573 FC3-1.9839 BSP 16332
 BDE 1.7554 BRA .3286 BC3 5.6219 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 5129.3 SGR 363.1 SG3 179.6
 RRT -.0036 RRF -.0066 RTF .8957
 SGB 5142.2 R23 .0033 R13 -.8957
 SGI 5129.3 SG2 363.1 THA 179.99

ORBIT DETERMINATION ACCURACY

ST 2539.1 SR 300.0 SS 684.2
 CRT .9968 CRS -.9606 CST -.9717
 LSA 2642.0 MSA 157.1 S5A 21.5
 EL1 2556.7 EL2 23.8 ALF 6.72

LAUNCH DATE DEC 20 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 496.906

RL 147.18 LAL .00 LOL 87.90 VL 26.743 GAL -.65 AZL 86.39 MCA 247.18 SMA 121.95 ECC .20718 INC 3.6112 V1 30.271
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.737 GAP 10.27 AZP 91.40 TAL 182.49 TAP 69.67 RCA 96.68 APO 147.22 V2 34.805
 RC 171.096 GL 25.15 GP -3.91 ZAL 92.59 ZAP 167.96 ETS 341.31 ZAE 130.32 ETE 183.44 ZAC 82.32 ETC 165.07 CLP-168.60

PLANETOCENTRIC CONIC

C3 15.703 VHL 3.963 DLA 21.03 RAL 345.04 RAD 6567.6 VEL 11.708 PTH 2.06 VHP 6.797 DPA -12.07 RAP 350.43 ECC 1.2584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 33 2880.11 -28.32 87.68 209.79 89.88 2 14 34 2280.1 -28.03 79.03
 90.00 19 27 41 4080.29 -3.82 165.30 203.44 61.92 20 35 41 3480.3 -7.54 158.60
 100.00 3 2 3 2572.22 -29.85 65.01 209.76 91.65 3 44 55 1972.2 -29.30 56.24
 100.00 20 34 53 3863.42 -2.47 148.61 202.69 60.20 21 39 16 3263.4 -6.42 142.05
 110.00 4 40 11 2265.16 -33.68 41.38 209.45 96.22 5 17 56 1665.2 -32.45 32.36
 110.00 21 13 14 3743.23 .78 137.47 200.66 55.82 22 15 37 3143.2 -3.71 131.26

DIFFERENTIAL CORRECTIONS

TOE 1.8132 TRA -.1487 TC3-5.6425 BAU 1.1855
 RDE .2144 RRA -.0686 RC3 .2246 FAU .03387
 FDE .7919 FRA .5018 FC3-1.8671 BSP 16607
 BDE 1.8258 BRA .1638 BC3 5.6470 FSP -584

MID-COURSE EXECUTION ACCURACY

SGT 5188.9 SGR 373.0 SG3 175.0
 RRT .0214 RRF .0120 RTF .8979
 SGB 5202.2 R23 -.0073 R13 .8979
 SGI 5188.9 SG2 372.9 THA .09

ORBIT DETERMINATION ACCURACY

ST 2626.0 SR 311.7 SS 686.7
 CRT .9948 CRS -.9529 CST -.9742
 LSA 2727.8 MSA 152.4 S5A 21.9
 EL1 2644.2 EL2 31.6 ALF 6.74

LAUNCH DATE DEC 20 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 502.561

RL 147.18 LAL .00 LOL 87.90 VL 26.692 GAL -.18 AZL 86.43 MCA 250.34 SMA 121.65 ECC .20991 INC 3.5681 V1 30.271
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.705 GAP 10.53 AZP 91.20 TAL 180.69 TAP 71.03 RCA 96.11 APO 147.18 V2 34.811
 RC 173.196 GL 24.59 GP -3.74 ZAL 89.44 ZAP 168.78 ETS 340.92 ZAE 130.38 ETE 183.30 ZAC 84.55 ETC 165.45 CLP-169.41

PLANETOCENTRIC CONIC

C3 15.940 VHL 3.992 DLA 21.86 RAL 348.36 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 6.948 DPA -10.97 RAP 352.56 ECC 1.2623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 24 2921.24 -28.27 90.69 213.68 88.37 2 18 6 2321.2 -28.20 82.02
 90.00 19 51 21 4045.94 -4.92 163.37 207.30 62.08 20 58 47 3445.9 -8.61 156.64
 100.00 3 6 9 2609.28 -29.89 67.76 213.70 90.20 3 49 39 2009.3 -29.54 58.97
 100.00 20 57 18 3833.14 -3.50 146.95 206.52 60.29 22 1 11 3233.1 -7.43 140.36
 110.00 4 46 31 2295.28 -33.88 43.71 213.49 94.85 5 24 46 1695.3 -32.84 34.62
 110.00 21 33 25 3719.90 -.11 136.25 204.41 55.82 22 35 25 3119.9 -4.60 130.04

DIFFERENTIAL CORRECTIONS

TOE 1.8856 TRA -.0378 TC3-5.6255 BAU 1.1997
 RDE .2242 RRA -.0739 RC3 .2148 FAU .03207
 FDE .7798 FRA .5481 FC3-1.7420 BSP 16822
 BDE 1.8989 BRA .0830 BC3 5.6296 FSP -573

MID-COURSE EXECUTION ACCURACY

SGT 5244.4 SGR 382.1 SG3 170.7
 RRT .0468 RRF .0327 RTF .8998
 SGB 5258.3 R23 -.0096 R13 .8998
 SGI 5244.4 SG2 381.7 THA .20

ORBIT DETERMINATION ACCURACY

ST 2709.4 SR 323.6 SS 689.4
 CRT .9915 CRS -.9449 CST -.9765
 LSA 2810.3 MSA 149.4 S5A 22.2
 EL1 2728.3 EL2 41.8 ALF 6.76

LAUNCH DATE DEC 20 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 508.195

RL 147.18 LAL .00 LOL 87.90 VL 26.642 GAL .30 AZL 86.47 MCA 253.51 SMA 121.35 ECC .21291 INC 3.5266 V1 30.271
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.675 GAP 10.79 AZP 91.00 TAL 178.89 TAP 72.40 RCA 95.51 APO 147.19 V2 34.817
 RC 175.278 GL 23.95 GP -3.58 ZAL 86.25 ZAP 169.58 ETS 340.38 ZAE 130.44 ETE 183.19 ZAC 86.80 ETC 165.80 CLP-170.21

PLANETOCENTRIC CONIC

C3 16.293 VHL 4.036 DLA 22.66 RAL 351.77 RAD 6567.7 VEL 11.734 PTH 2.07 VHP 7.106 DPA -9.88 RAP 354.70 ECC 1.2681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 22 2964.23 -28.15 93.83 217.74 86.80 2 21 47 2364.2 -28.30 85.16
 90.00 20 15 33 4012.92 -5.96 161.51 211.37 62.27 21 22 26 3412.9 -9.63 154.75
 100.00 3 10 31 2647.76 -29.87 70.62 217.82 88.70 3 54 39 2047.8 -29.73 61.82
 100.00 21 20 5 3804.63 -4.46 145.38 210.54 60.41 22 23 29 3204.6 -8.37 138.77
 110.00 4 53 14 2326.41 -34.03 46.12 217.73 93.43 5 32 1 1726.4 -33.18 36.99
 110.00 21 53 51 3698.74 -.92 135.15 208.34 55.83 22 55 30 3098.7 -5.40 128.93

DIFFERENTIAL CORRECTIONS

TOE 1.9656 TRA .2385 TC3-5.5497 BAU 1.2096
 RDE .2351 RRA -.0782 RC3 .2029 FAU .03006
 FDE .7725 FRA .5956 FC3-1.5971 BSP 16847
 BDE 1.9797 BRA .2510 BC3 5.5534 FSP -543

MID-COURSE EXECUTION ACCURACY

SGT 5290.7 SGR 390.7 SG3 166.3
 RRT .0741 RRF .0593 RTF .9008
 SGB 5305.1 R23 -.0079 R13 .9008
 SGI 5290.8 SG2 389.7 THA .32

ORBIT DETERMINATION ACCURACY

ST 2795.6 SR 335.7 SS 694.5
 CRT .9872 CRS -.9371 CST -.9788
 LSA 2896.2 MSA 147.8 S5A 22.2
 EL1 2815.2 EL2 53.1 ALF 6.76

LAUNCH DATE DEC 20 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.593 GAL .80 AZL 86.51 MCA 256.68 SMA 121.06 ECC .21621 INC 3.4865 V1 30.271
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.646 GAP 11.08 AZP 90.80 TAL 177.08 TAP 73.76 RCA 94.88 APO 147.23 V2 34.824
 RC 177.341 GL 23.25 GP -3.44 ZAL 83.02 ZAP 170.36 ETS 339.67 ZAE 130.52 ETE 183.09 ZAC 89.07 ETC 166.12 CLP-170.99

PLANETOCENTRIC CONIC

C3 16.774 VHL 4.096 CLA 23.41 RAL 355.23 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 7.273 DPA -8.79 RAP 356.85 ECC 1.2761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 32 3008.68 -27.94 97.06 221.95 85.19 2 25 40 2408.7 -28.31 88.42
 90.00 20 40 2 3981.80 -6.95 159.75 215.62 62.48 21 46 24 3381.8 -10.58 152.96
 100.00 3 15 13 2687.25 -29.77 73.55 222.09 87.16 4 0 0 2087.2 -29.85 64.75
 100.00 21 43 1 3778.47 -5.34 143.93 214.74 60.54 22 46 0 3178.5 -9.22 137.30
 110.00 5 0 24 2358.20 -34.13 48.60 222.13 91.97 5 39 42 1758.2 -33.48 39.42
 110.00 22 14 20 3680.28 -1.63 134.19 212.43 55.85 23 15 40 3080.3 -6.10 127.95

DIFFERENTIAL CORRECTIONS

TDE 2.0387 TRA .4487 TC3-5.4407 BAU 1.2208
 RDE .2469 RRA -.0814 RC3 .1886 FAU .02829
 FDE .7592 FRA .6402 FC3-1.4598 BSP 17082
 BOE 2.0536 BRA .4560 BC3 5.4440 FSP -536

MID-COURSE EXECUTION ACCURACY

SGT 5335.1 SGR 398.3 SG3 161.9
 RRT .0998 RRF .0818 RTF .9030
 SGB 5350.0 R23 -.0088 R13 .9029
 SG1 5335.3 SG2 396.3 THA .43

ORBIT DETERMINATION ACCURACY

ST 2862.6 SR 347.5 SS 692.7
 CRT .9822 CRS -.9290 CST -.9806
 LSA 2961.9 MSA 147.2 SSA 22.1
 EL1 2882.9 EL2 64.8 ALF 6.80

LAUNCH DATE DEC 20 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.544 GAL 1.33 AZL 86.55 MCA 259.85 SMA 120.77 ECC .21982 INC 3.4473 V1 30.271
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.617 GAP 11.37 AZP 90.61 TAL 175.27 TAP 75.12 RCA 94.22 APO 147.32 V2 34.832
 RC 179.385 GL 22.49 GP -3.32 ZAL 79.79 ZAP 171.13 ETS 338.76 ZAE 130.59 ETE 183.01 ZAC 91.36 ETC 166.39 CLP-171.77

PLANETOCENTRIC CONIC

C3 17.397 VHL 4.171 DLA 24.10 RAL 358.74 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 7.450 DPA -7.70 RAP 359.00 ECC 1.2863
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 57 3054.13 -27.64 100.35 226.29 83.57 2 29 51 2454.1 -28.24 91.74
 90.00 21 4 36 3953.17 -7.84 158.13 220.03 62.70 22 10 29 3353.2 -11.44 151.29
 100.00 3 20 20 2727.26 -29.60 76.52 226.50 85.61 4 5 47 2127.3 -29.89 67.72
 100.00 22 5 54 3755.27 -6.11 142.64 219.09 60.68 23 8 29 3155.3 -9.97 135.98
 110.00 5 8 2 2390.28 -34.18 51.11 226.69 90.49 5 47 52 1790.3 -33.73 41.89
 110.00 22 34 41 3665.01 -2.21 133.39 216.67 55.88 23 35 46 3065.0 -6.67 127.15

DIFFERENTIAL CORRECTIONS

TDE 2.1141 TRA .6720 TC3-5.2862 BAU 1.2301
 RDE .2600 RRA -.0834 RC3 .1726 FAU .02655
 FDE .7472 FRA .6845 FC3-1.3211 BSP 17199
 BOE 2.1300 BRA .6771 BC3 5.2890 FSP -522

MID-COURSE EXECUTION ACCURACY

SGT 5376.0 SGR 405.0 SG3 157.6
 RRT .1263 RRF .1062 RTF .9055
 SGB 5391.2 R23 -.0089 R13 .9055
 SG1 5376.2 SG2 401.8 THA .55

ORBIT DETERMINATION ACCURACY

ST 2922.9 SR 359.1 SS 690.3
 CRT .9766 CRS -.9211 CST -.9822
 LSA 3021.0 MSA 147.8 SSA 21.7
 EL1 2943.9 EL2 76.7 ALF 6.85

LAUNCH DATE DEC 20 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.495 GAL 1.87 AZL 86.59 MCA 263.02 SMA 120.49 ECC .22377 INC 3.4090 V1 30.271
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.590 GAP 11.68 AZP 90.41 TAL 173.47 TAP 76.48 RCA 93.53 APO 147.45 V2 34.840
 RC 181.409 GL 21.67 GP -3.20 ZAL 76.56 ZAP 171.89 ETS 337.60 ZAE 130.67 ETE 182.94 ZAC 93.65 ETC 166.64 CLP-172.54

PLANETOCENTRIC CONIC

C3 18.177 VHL 4.264 DLA 24.72 RAL 2.27 RAD 6567.7 VEL 11.814 PTH 2.09 VHP 7.637 DPA -6.61 RAP 1.15 ECC 1.2992
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 44 3100.03 -27.24 103.65 230.73 81.96 2 34 24 2500.0 -28.07 95.09
 90.00 21 28 57 3927.70 -8.64 156.67 224.58 62.93 22 34 25 3327.7 -12.20 149.81
 100.00 3 25 56 2767.30 -29.35 79.47 231.03 84.07 4 12 3 2167.3 -29.86 70.70
 100.00 22 28 27 3735.66 -6.76 141.55 223.57 60.81 23 30 42 3135.7 -10.60 134.87
 110.00 5 16 12 2422.32 -34.17 53.61 231.37 89.01 5 56 34 1822.3 -33.93 44.37
 110.00 22 54 40 3653.40 -2.65 132.78 221.03 55.91 23 35 33 3053.4 -7.11 126.53

DIFFERENTIAL CORRECTIONS

TDE 2.1845 TRA .9043 TC3-5.0993 BAU 1.2398
 RDE .2742 RRA -.0841 RC3 .1555 FAU .02491
 FDE .7338 FRA .7274 FC3-1.1864 BSP 17365
 BOE 2.2017 BRA .9082 BC3 5.1017 FSP -510

MID-COURSE EXECUTION ACCURACY

SGT 5414.3 SGR 410.9 SG3 153.4
 RRT .1522 RRF .1305 RTF .9083
 SGB 5429.9 R23 -.0086 R13 .9083
 SG1 5414.7 SG2 406.1 THA .67

ORBIT DETERMINATION ACCURACY

ST 2965.9 SR 370.3 SS 685.0
 CRT .9706 CRS -.9134 CST -.9837
 LSA 3062.7 MSA 149.7 SSA 21.2
 EL1 2987.6 EL2 88.5 ALF 6.92

LAUNCH DATE DEC 20 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.448 GAL 2.45 AZL 86.63 MCA 266.19 SMA 120.22 ECC .22810 INC 3.3711 V1 30.271
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.564 GAP 12.01 AZP 90.22 TAL 171.67 TAP 77.85 RCA 92.79 APO 147.64 V2 34.849
 RC 183.413 GL 20.81 GP -3.10 ZAL 73.36 ZAP 172.62 ETS 336.13 ZAE 130.75 ETE 182.88 ZAC 95.96 ETC 166.86 CLP-173.30

PLANETOCENTRIC CONIC

C3 19.135 VHL 4.374 DLA 25.26 RAL 5.80 RAD 6567.8 VEL 11.854 PTH 2.10 VHP 7.837 DPA -5.53 RAP 3.31 ECC 1.3149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 1 3145.74 -26.77 106.91 235.26 80.39 2 39 26 2543.7 -27.82 98.41
 90.00 21 52 50 3906.09 -9.30 155.44 229.23 63.13 22 57 56 3306.1 -12.84 148.54
 100.00 3 32 8 2806.80 -29.04 82.36 235.64 82.58 4 18 55 2206.8 -29.76 73.63
 100.00 22 50 23 3720.26 -7.27 140.69 228.14 60.93 23 52 23 3120.3 -11.10 133.99
 110.00 5 24 55 2453.96 -34.11 56.08 236.15 87.54 6 5 49 1854.0 -34.07 46.83
 110.00 23 14 6 3645.87 -2.94 132.39 225.47 55.93 24 14 52 3045.9 -7.39 126.13

DIFFERENTIAL CORRECTIONS

TDE 2.2523 TRA 1.1495 TC3-4.8766 BAU 1.2480
 RDE .2895 RRA -.0835 RC3 .1377 FAU .02331
 FDE .7199 FRA .7698 FC3-1.0548 BSP 17532
 BOE 2.2708 BRA 1.1525 BC3 4.8786 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 5447.6 SGR 415.9 SG3 149.2
 RRT .1781 RRF .1554 RTF .9113
 SGB 5463.5 R23 -.0080 R13 .9113
 SG1 5448.1 SG2 409.2 THA .78

ORBIT DETERMINATION ACCURACY

ST 2994.8 SR 381.0 SS 677.7
 CRT .9643 CRS -.9057 CST -.9849
 LSA 3090.2 MSA 152.6 SSA 20.5
 EL1 3017.3 EL2 100.2 ALF 7.00

LAUNCH DATE DEC 20 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 535.967

RL 147.18 LAL .00 LOL 87.90 VL 26.401 GAL 3.04 AZL 86.67 MCA 269.36 SMA 119.95 ECC .23284 INC 3.3335 V1 30.271
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.539 GAP 12.36 AZP 90.04 TAL 169.87 TAP 79.23 RCA 92.02 APO 147.88 V2 34.858
 RC 185.395 GL 19.90 GP -3.00 ZAL 70.21 ZAP 173.35 ETS 334.24 ZAE 130.84 ETE 182.83 ZAC 98.28 ETC 167.04 CLP-174.06

PLANETOCENTRIC CONIC

C3 20.290 VHL 4.504 DLA 25.73 RAL 9.30 RAD 6567.8 VEL 11.903 PTH 2.11 VHP 8.049 DPA -4.44 RAP 5.48 ECC 1.3339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 56 3190.54 -26.22 110.08 239.84 78.90 2 45 6 2590.5 -27.48 101.64
 90.00 22 15 52 3889.13 -9.82 154.46 233.97 63.31 23 20 41 3289.1 -13.33 147.54
 100.00 3 39 3 2845.21 -28.67 85.16 240.33 81.15 4 26 28 2245.2 -29.59 76.47
 100.00 23 11 26 3709.69 -7.62 140.10 232.79 61.01 24 13 16 3109.7 -11.43 133.39
 110.00 5 34 12 2484.91 -33.99 58.49 241.02 86.12 6 15 37 1884.9 -34.15 49.25
 110.00 23 32 46 3642.76 -3.06 132.23 229.98 55.94 24 33 29 3042.8 -7.51 125.97

DIFFERENTIAL CORRECTIONS

TDE 2.3169 TRA 1.4089 TC3-4.6242 BAU 1.2548
 RDE .3060 RRA -.0813 RC3 .1198 FAU .02178
 FDE .7058 FRA .8126 FC3 -.9295 BSP 17681
 BDE 2.3370 BRA 1.4112 BC3 4.6257 FSP -488

MID-COURSE EXECUTION ACCURACY

SGT 5476.9 SGR 420.0 SG3 145.2
 RRT .2040 RRF .1805 RTF .9145
 SGB 5493.0 R23 -.0073 R13 .9145
 SG1 5477.6 SG2 411.1 THA .90

ORBIT DETERMINATION ACCURACY

ST 3009.4 SR 390.8 SS 668.9
 CRT .9576 CRS -.8980 CST -.9861
 LSA 3103.5 MSA 156.6 SSA 19.7
 EL1 3032.6 EL2 111.7 ALF 7.10

LAUNCH DATE DEC 20 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 541.417

RL 147.18 LAL .00 LOL 87.90 VL 26.355 GAL 3.67 AZL 86.70 MCA 272.54 SMA 119.68 ECC .23803 INC 3.2959 V1 30.271
 RP 108.68 LAP -3.29 LOP .44 VP 36.515 GAP 12.74 AZP 89.85 TAL 168.08 TAP 80.61 RCA 91.19 APO 148.17 V2 34.868
 RC 187.357 GL 18.95 GP -2.92 ZAL 67.12 ZAP 174.06 ETS 331.80 ZAE 130.92 ETE 182.79 ZAC 100.60 ETC 167.19 CLP-174.82

PLANETOCENTRIC CONIC

C3 21.671 VHL 4.655 DLA 26.11 RAL 12.76 RAD 6567.9 VEL 11.960 PTH 2.13 VHP 8.276 DPA -3.36 RAP 7.65 ECC 1.3566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 40 3233.62 -25.62 113.09 244.47 77.50 2 51 34 2633.6 -27.08 104.73
 90.00 22 37 44 3877.64 -10.17 153.80 238.74 63.43 23 42 22 3277.6 -13.66 146.86
 100.00 3 46 44 2882.00 -28.25 87.81 245.07 79.81 4 34 46 2282.0 -29.37 79.19
 100.00 23 31 21 3704.49 -7.79 139.81 237.47 61.05 24 33 6 3104.5 -11.60 133.09
 110.00 5 44 3 2514.95 -33.83 60.82 245.95 84.75 6 25 58 1914.9 -34.18 51.59
 110.00 23 50 32 3644.31 -3.00 132.31 234.52 55.93 24 51 16 3044.3 -7.45 126.05

DIFFERENTIAL CORRECTIONS

TDE 2.3815 TRA 1.6866 TC3-4.3398 BAU 1.2577
 RDE .3238 RRA -.0775 RC3 .1025 FAU .02019
 FDE .6934 FRA .8579 FC3 -.8064 BSP 17723
 BDE 2.4034 BRA 1.6883 BC3 4.3410 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 5501.0 SGR 423.3 SG3 141.3
 RRT .2306 RRF .2074 RTF .9174
 SGB 5517.2 R23 -.0055 R13 .9174
 SG1 5501.8 SG2 411.8 THA 1.02

ORBIT DETERMINATION ACCURACY

ST 3014.5 SR 399.8 SS 660.6
 CRT .9506 CRS -.8903 CST -.9872
 LSA 3107.5 MSA 161.5 SSA 18.9
 EL1 3038.4 EL2 123.1 ALF 7.20

LAUNCH DATE DEC 20 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 546.819

RL 147.18 LAL .00 LOL 87.90 VL 26.309 GAL 4.33 AZL 86.74 MCA 275.71 SMA 119.42 ECC .24371 INC 3.2581 V1 30.271
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.492 GAP 13.14 AZP 89.68 TAL 166.30 TAP 82.01 RCA 90.32 APO 148.53 V2 34.878
 RC 189.297 GL 17.99 GP -2.84 ZAL 64.10 ZAP 174.75 ETS 328.62 ZAE 131.00 ETE 182.75 ZAC 102.93 ETC 167.31 CLP-175.58

PLANETOCENTRIC CONIC

C3 23.306 VHL 4.828 DLA 26.40 RAL 16.15 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 8.520 DPA -2.29 RAP 9.82 ECC 1.3836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 25 3274.09 -24.99 115.89 249.13 76.23 2 58 59 2674.1 -26.64 107.61
 90.00 22 58 3 3872.49 -10.33 153.50 243.51 63.49 24 2 35 3272.5 -13.81 146.55
 100.00 3 55 17 2916.67 -27.81 90.29 249.84 78.58 4 43 54 2316.7 -29.11 81.73
 100.00 23 49 52 3705.15 -7.77 139.85 242.15 61.05 24 51 37 3105.1 -11.58 133.13
 110.00 5 54 26 2543.88 -33.62 63.05 250.91 83.44 6 36 50 1943.9 -34.17 53.85
 110.00 0 11 9 3650.70 -2.76 132.64 239.06 55.91 1 11 59 3050.7 -7.21 126.39

DIFFERENTIAL CORRECTIONS

TDE 2.4378 TRA 1.9754 TC3-4.0464 BAU 1.2611
 RDE .3424 RRA -.0720 RC3 .0858 FAU .01874
 FDE .6792 FRA .9018 FC3 -.6961 BSP 17861
 BDE 2.4618 BRA 1.9767 BC3 4.0473 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 5521.5 SGR 425.6 SG3 137.4
 RRT .2563 RRF .2332 RTF .9208
 SGB 5537.8 R23 -.0043 R13 .9208
 SG1 5522.5 SG2 411.3 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 3000.2 SR 407.4 SS 649.5
 CRT .9433 CRS -.8825 CST -.9881
 LSA 3092.1 MSA 167.0 SSA 18.1
 EL1 3024.8 EL2 134.1 ALF 7.31

LAUNCH DATE DEC 20 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 552.167

RL 147.18 LAL .00 LOL 87.90 VL 26.264 GAL 5.02 AZL 86.78 MCA 278.89 SMA 119.17 ECC .24993 INC 3.2198 V1 30.271
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.470 GAP 13.57 AZP 89.50 TAL 164.53 TAP 83.42 RCA 89.39 APO 148.96 V2 34.889
 RC 191.216 GL 17.01 GP -2.77 ZAL 61.18 ZAP 175.41 ETS 324.37 ZAE 131.07 ETE 182.72 ZAC 105.26 ETC 167.40 CLP-176.34

PLANETOCENTRIC CONIC

C3 25.234 VHL 5.023 DLA 26.62 RAL 19.46 RAD 6568.0 VEL 12.108 PTH 2.17 VHP 8.782 DPA -1.22 RAP 11.99 ECC 1.4153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 23 3311.11 -24.37 118.42 253.82 75.11 3 7 34 2711.1 -26.18 110.22
 90.00 23 16 29 3874.47 -10.27 153.62 248.25 63.47 24 21 3 3274.5 -13.75 146.67
 100.00 4 4 46 2948.85 -27.36 92.58 254.63 77.46 4 53 54 2348.9 -28.81 84.08
 100.00 0 10 43 3711.96 -7.55 140.23 246.80 60.99 1 12 35 3112.0 -11.36 133.52
 110.00 6 5 19 2571.61 -33.39 65.18 255.88 82.20 6 48 11 1971.6 -34.11 56.02
 110.00 0 26 39 3661.96 -2.33 133.23 243.58 55.89 1 27 41 3062.0 -6.79 126.98

DIFFERENTIAL CORRECTIONS

TDE 2.4904 TRA 2.2806 TC3-3.7411 BAU 1.2623
 RDE .3620 RRA -.0649 RC3 .0702 FAU .01734
 FDE .6650 FRA .9467 FC3 -.5949 BSP 17976
 BDE 2.5166 BRA 2.2816 BC3 3.7418 FSP -451

MID-COURSE EXECUTION ACCURACY

SGT 5537.3 SGR 426.9 SG3 133.6
 RRT .2820 RRF .2590 RTF .9244
 SGB 5553.8 R23 -.0032 R13 .9244
 SG1 5538.6 SG2 409.5 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 2973.8 SR 413.6 SS 638.0
 CRT .9356 CRS -.8745 CST -.9890
 LSA 3064.5 MSA 172.9 SSA 17.2
 EL1 2998.9 EL2 144.8 ALF 7.43

LAUNCH DATE DEC 20 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.220 GAL 5.75 AZL 86.82 MCA 282.07 SMA 118.92 ECC .25676 INC 3.1809 V1 30.271
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.449 GAP 14.03 A7P 89.33 TAL 162.78 TAP 84.86 RCA 88.39 APO 149.46 V2 34.900
 RC 193.113 GL 16.03 GP -2.70 ZAL 58.35 ZAP 176.03 ETS 318.59 ZAE 131.14 ETE 182.70 ZAC 107.59 ETC 167.45 CLP-177.10

PLANETOCENTRIC CONIC

C3 27.497 VHL 5.244 DLA 26.75 RAL 22.67 RAD 6568.1 VEL 12.201 PTH 2.19 VHP 9.064 DPA -.17 RAP 14.16 ECC 1.4525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 43 3343.97 -23.77 120.65 258.52 74.15 3 17 27 2744.0 -25.72 112.52
 90.00 23 32 44 3884.17 -9.98 154.18 252.93 63.36 24 37 28 3284.2 -13.47 147.24
 100.00 4 15 8 2978.32 -26.90 94.65 259.43 76.46 5 4 46 2378.3 -28.50 86.21
 100.00 0 25 56 3725.06 -7.11 140.96 251.40 60.89 1 28 1 3125.1 -10.94 134.27
 110.00 6 16 38 2598.13 -33.12 67.21 260.85 81.03 6 59 56 1998.1 -34.01 58.08
 110.00 0 40 55 3678.01 -1.71 134.07 248.06 55.85 1 42 13 3078.0 -6.18 127.83

DIFFERENTIAL CORRECTIONS

TDE 2.5396 TRA 2.6040 TC3-3.4294 BAU 1.2609
 RDE .3823 RRA -.0559 RC3 .0561 FAU .01597
 FDE .6515 FRA .9938 FC3 -.5029 BSP 18073
 BDE 2.5683 BRA 2.6046 BC3 3.4299 FSP -440

MID-COURSE EXECUTION ACCURACY

SGT 5548.7 SGR 427.4 SG3 129.9
 RRT .3077 RRF .2852 RTF .9281
 SGB 5565.1 R23 -.0021 R13 .9281
 SG1 5550.3 SG2 406.5 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 2936.9 SR 418.3 SS 626.5
 CRT .9276 CRS -.8664 CST -.9899
 LSA 3026.6 MSA 179.0 SSA 16.4
 EL1 2962.5 EL2 154.9 ALF 7.55

LAUNCH DATE DEC 20 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.176 GAL 6.53 AZL 86.86 MCA 285.26 SMA 118.68 ECC .26426 INC 3.1410 V1 30.271
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.429 GAP 14.54 A7P 89.17 TAL 161.06 TAP 86.31 RCA 87.32 APO 150.04 V2 34.912
 RC 194.989 GL 15.04 GP -2.64 ZAL 55.64 ZAP 176.60 ETS 310.58 ZAE 131.20 ETE 182.68 ZAC 109.91 ETC 167.47 CLP-177.87

PLANETOCENTRIC CONIC

C3 30.149 VHL 5.491 DLA 26.81 RAL 25.76 RAD 6568.2 VEL 12.309 PTH 2.22 VHP 9.370 DPA .88 RAP 16.34 ECC 1.4962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 27 3372.31 -23.23 122.55 263.23 73.34 3 28 39 2772.3 -25.30 114.49
 90.00 23 46 40 3901.85 -9.43 155.19 257.51 63.18 24 51 42 3301.9 -12.96 148.29
 100.00 4 26 22 3005.03 -26.46 96.51 264.22 75.57 5 16 27 2405.0 -28.19 88.14
 100.00 0 39 21 3744.35 -6.47 142.04 255.92 60.75 1 41 46 3144.4 -10.32 135.32
 110.00 6 28 18 2623.49 -32.84 69.13 265.81 79.93 7 12 2 2023.5 -33.88 60.05
 110.00 0 53 55 3698.66 -.92 135.14 252.49 55.83 1 55 33 3098.7 -5.40 128.92

DIFFERENTIAL CORRECTIONS

TDE 2.5893 TRA 2.9503 TC3-3.1125 BAU 1.2547
 RDE .4035 RRA -.0449 RC3 .0437 FAU .01458
 FDE .6400 FRA 1.0423 FC3 -.4188 BSP 18066
 BDE 2.6206 BRA 2.9507 BC3 3.1128 FSP -426

MID-COURSE EXECUTION ACCURACY

SGT 5557.2 SGR 427.0 SG3 126.5
 RRT .3340 RRF .3123 RTF .9318
 SGB 5573.6 R23 -.0007 R13 .9318
 SG1 5559.0 SG2 402.3 THA 1.48

ORBIT DETERMINATION ACCURACY

ST 2895.1 SR 421.3 SS 616.5
 CRT .9191 CRS -.8584 CST -.9907
 LSA 2984.1 MSA 185.1 SSA 15.7
 EL1 2921.0 EL2 164.5 ALF 7.64

LAUNCH DATE DEC 20 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.133 GAL 7.35 AZL 86.90 MCA 288.44 SMA 118.44 ECC .27251 INC 3.0998 V1 30.271
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.409 GAP 15.08 A7P 89.02 TAL 159.36 TAP 87.80 RCA 86.17 APO 150.72 V2 34.924
 RC 196.842 GL 14.07 GP -2.59 ZAL 53.04 ZAP 177.08 ETS 299.42 ZAE 131.25 ETE 182.66 ZAC 112.23 ETC 167.45 CLP-178.64

PLANETOCENTRIC CONIC

C3 33.253 VHL 5.767 DLA 26.80 RAL 28.72 RAD 6568.3 VEL 12.435 PTH 2.25 VHP 9.702 DPA 1.91 RAP 18.51 ECC 1.5473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 30 3396.14 -22.76 124.14 267.94 72.68 3 41 7 2796.1 -24.92 116.13
 90.00 0 2 10 3927.31 -8.65 156.65 261.98 62.93 1 7 38 3327.3 -12.21 149.78
 100.00 4 38 21 3029.12 -26.05 98.18 268.99 74.79 5 28 51 2429.1 -27.88 89.86
 100.00 0 51 1 3769.57 -5.63 143.44 260.35 60.59 1 53 50 3169.6 -9.51 136.79
 110.00 6 40 14 2647.79 -32.54 70.96 270.73 78.88 7 24 21 2047.8 -33.72 61.93
 110.00 1 5 38 3723.67 .03 136.45 256.83 55.82 2 7 41 3123.7 -4.45 130.24

DIFFERENTIAL CORRECTIONS

TDE 2.6320 TRA 3.3128 TC3-2.8058 BAU 1.2474
 RDE .4251 RRA -.0320 RC3 .0328 FAU .01331
 FDE .6276 FRA 1.0919 FC3 -.3464 BSP 18146
 BDE 2.6661 BRA 3.3129 BC3 2.8059 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 5559.6 SGR 425.6 SG3 123.0
 RRT .3595 RRF .3383 RTF .9359
 SGB 5575.9 R23 .0001 R13 .9359
 SG1 5561.8 SG2 396.9 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 2841.2 SR 422.5 SS 605.6
 CRT .9102 CRS -.8500 CST -.9916
 LSA 2929.3 MSA 191.1 SSA 14.9
 EL1 2867.2 EL2 173.4 ALF 7.74

LAUNCH DATE DEC 20 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

RL 147.18 LAL .00 LOL 87.90 VL 26.091 GAL 8.23 AZL 86.94 MCA 291.63 SMA 118.21 ECC .28160 INC 3.0571 V1 30.271
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.391 GAP 15.68 A7P 88.87 TAL 157.69 TAP 89.32 RCA 84.92 APO 151.50 V2 34.936
 RC 198.673 GL 13.11 GP -2.54 ZAL 50.57 ZAP 177.40 ETS 284.44 ZAE 131.28 ETE 182.65 ZAC 114.53 ETC 167.40 CLP-179.44

PLANETOCENTRIC CONIC

C3 36.888 VHL 6.074 DLA 26.73 RAL 31.55 RAD 6568.4 VEL 12.580 PTH 2.28 VHP 10.064 DPA 2.93 RAP 20.68 ECC 1.6071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 42 3415.95 -22.35 125.44 272.64 72.15 3 54 38 2815.9 -24.59 117.49
 90.00 0 11 32 3959.89 -7.63 158.51 266.32 62.65 1 17 32 3359.9 -11.24 151.68
 100.00 4 50 57 3050.85 -25.65 99.67 273.73 74.10 5 41 48 2450.9 -27.58 91.41
 100.00 1 0 58 3800.21 -4.61 145.13 264.67 60.43 2 4 18 3200.2 -8.51 138.52
 110.00 6 52 18 2671.15 -32.22 72.71 275.60 77.90 7 36 49 2071.1 -33.55 63.73
 110.00 1 16 7 3752.69 1.14 137.96 261.09 55.83 2 18 39 3152.7 -3.35 131.76

DIFFERENTIAL CORRECTIONS

TDE 2.6731 TRA 3.6985 TC3-2.5080 BAU 1.2369
 RDE .4471 RRA -.0171 RC3 .0236 FAU .01206
 FDE .6164 FRA 1.1442 FC3 -.2830 BSP 18246
 BDE 2.7102 BRA 3.6986 BC3 2.5082 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 5558.9 SGR 423.2 SG3 119.6
 RRT .3850 RRF .3644 RTF .9400
 SGB 5575.0 R23 .0008 R13 .9400
 SG1 5561.3 SG2 390.4 THA 1.69

ORBIT DETERMINATION ACCURACY

ST 2782.2 SR 421.9 SS 595.9
 CRT .9008 CRS -.8415 CST -.9924
 LSA 2869.6 MSA 196.6 SSA 14.2
 EL1 2808.2 EL2 181.5 ALF 7.81

LAUNCH DATE DEC 20 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 577.717

RL 147.18 LAL .00 LOL 87.90 VL 26.050 GAL 9.17 AZL 86.99 MCA 294.82 SMA 117.98 ECC .29163 INC 3.0124 V1 30.271
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.373 GAP 16.33 A7P 88.73 TAL 156.06 TAP 90.88 RCA 83.58 APO 152.39 V2 34.948
 RC 200.481 GL 12.16 GP -2.49 ZAL 48.22 ZAP 177.50 ETS 266.46 ZAE 131.30 ETE 182.63 ZAC 116.83 ETC 167.31 CLP 179.76

PLANETOCENTRIC CONIC

C3 41.149 VHL 6.415 CLA 26.60 RAL 34.23 RAD 6568.6 VEL 12.748 PTH 2.32 VMP 10.460 CPA 3.93 RAP 22.84 ECC 1.6772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 44 3432.45 -22.00 126.53 277.31 71.71 4 8 56 2832.4 -24.30 118.61
 90.00 0 18 55 3998.61 -6.42 160.70 270.52 62.36 1 25 33 3398.6 -10.07 153.93
 100.00 5 3 58 3070.59 -25.27 101.02 278.42 73.48 5 55 9 2470.6 -27.29 92.80
 100.00 1 9 21 3835.70 -3.41 147.09 268.87 60.28 2 13 17 3235.7 -7.34 140.51
 110.00 7 4 25 2693.71 -31.88 74.38 280.41 76.96 7 49 19 2093.7 -33.35 65.46
 110.00 1 25 23 3785.35 2.39 139.67 265.26 55.89 2 28 29 3185.3 -2.10 133.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.7127 TRA 4.1103 TC3-2.2195 BAU 1.2210 SGT 5553.1 SGR 419.9 SG3 116.4 ST 2719.4 SR 419.3 SS 587.6
 RDE .4695 RRA -.0001 RC3 .0161 FAU .01084 RRT .4104 RRF .3907 RTF .9444 CRT .8909 CRS -.8330 CST -.9932
 FDE .6064 FRA 1.1996 FC3 -.2280 BSP 18267 SGB 5569.0 R23 .0013 R13 .9444 LSA 2806.3 MSA 201.6 SSA 13.5
 BOE 2.7530 BRA 4.1103 BC3 2.2195 FSP -396 SGI 5555.8 SG2 382.7 THA 1.79 ELI 2745.1 EL2 188.7 ALF 7.86

LAUNCH DATE DEC 20 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 582.476

RL 147.18 LAL .00 LOL 87.90 VL 26.010 GAL 10.18 AZL 87.03 MCA 298.01 SMA 117.76 ECC .30274 INC 2.9653 V1 30.271
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.356 GAP 17.04 A7P 88.61 TAL 154.48 TAP 92.49 RCA 82.11 APO 153.42 V2 34.961
 RC 202.264 GL 11.24 GP -2.45 ZAL 46.00 ZAP 177.33 ETS 248.54 ZAE 131.29 ETE 182.62 ZAC 119.10 ETC 167.18 CLP 178.93

PLANETOCENTRIC CONIC

C3 46.154 VHL 6.794 CLA 26.42 RAL 36.77 RAD 6568.7 VEL 12.943 PTH 2.36 VMP 10.894 CPA 4.91 RAP 25.00 ECC 1.7596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 17 3446.47 -21.70 127.45 281.93 71.35 4 23 43 2846.5 -24.05 119.56
 90.00 0 24 35 4042.39 -5.03 163.17 274.59 62.10 1 31 57 3442.4 -8.72 156.44
 100.00 5 17 15 3088.72 -24.92 102.25 283.06 72.93 6 8 44 2488.7 -27.02 94.08
 100.00 1 16 18 3875.37 -2.07 149.27 272.96 60.17 2 20 53 3275.4 -6.02 142.71
 110.00 7 16 30 2715.61 -31.53 76.00 285.14 76.06 8 1 45 2115.6 -33.13 67.13
 110.00 1 33 32 3821.25 3.76 141.54 269.33 56.00 2 37 13 3221.2 -7.73 135.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.7574 TRA 4.5518 TC3-1.9420 BAU 1.1983 SGT 5544.8 SGR 415.8 SG3 113.4 ST 2658.6 SR 415.2 SS 581.8
 RDE .4922 RRA -.0192 RC3 .0103 FAU .00957 RRT .4364 RRF .4175 RTF .9488 CRT .8809 CRS -.8249 CST -.9940
 FDE .5991 FRA 1.2598 FC3 -.1795 BSP 18209 SGB 5560.4 R23 .0017 R13 .9488 LSA 2745.2 MSA 203.7 SSA 12.9
 BOE 2.8010 BRA 4.5519 BC3 1.9420 FSP -384 SGI 5547.8 SG2 373.9 THA 1.88 ELI 2683.7 EL2 194.6 ALF 7.87

LAUNCH DATE DEC 20 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 587.062

RL 147.18 LAL .00 LOL 87.90 VL 25.970 GAL 11.26 AZL 87.08 MCA 301.20 SMA 117.55 ECC .31506 INC 2.9152 V1 30.271
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.341 GAP 17.83 A7P 88.49 TAL 152.95 TAP 94.15 RCA 80.52 APO 154.58 V2 34.974
 RC 204.023 GL 10.34 GP -2.41 ZAL 43.92 ZAP 176.92 ETS 233.67 ZAE 131.26 ETE 182.61 ZAC 121.35 ETC 167.01 CLP 178.08

PLANETOCENTRIC CONIC

C3 52.051 VHL 7.215 CLA 26.19 RAL 39.15 RAD 6568.9 VEL 13.169 PTH 2.40 VMP 11.374 CPA 5.87 RAP 27.15 ECC 1.8566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 4 3458.73 -21.43 128.24 286.48 71.04 4 38 42 2858.7 -23.82 120.39
 90.00 0 28 47 4090.18 -3.50 165.85 278.53 61.88 1 36 58 3490.2 -7.23 159.16
 100.00 5 30 37 3105.56 -24.58 103.38 287.61 72.42 6 22 22 2505.6 -26.75 95.26
 100.00 1 21 56 3918.58 -.61 151.64 276.92 60.11 2 27 14 3318.6 -4.58 145.11
 110.00 7 28 26 2736.93 -31.17 77.55 289.78 75.21 8 14 2 2136.9 -32.89 68.75
 110.00 1 40 36 3859.97 5.23 143.58 273.30 56.17 2 44 56 3260.0 .75 137.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.7983 TRA 5.0205 TC3-1.6842 BAU 1.1720 SGT 5530.5 SGR 410.6 SG3 110.4 ST 2592.4 SR 409.0 SS 576.7
 RDE .5149 RRA .0406 RC3 .0058 FAU .00838 RRT .4616 RRF .4435 RTF .9533 CRT .8705 CRS -.8165 CST -.9947
 FDE .5919 FRA 1.3228 FC3 -.1394 BSP 18253 SGB 5545.8 R23 .0017 R13 .9533 LSA 2678.9 MSA 209.0 SSA 12.3
 BOE 2.8453 BRA 5.0207 BC3 1.6842 FSP -374 SGI 5533.8 SG2 364.0 THA 1.97 ELI 2616.9 EL2 199.5 ALF 7.87

LAUNCH DATE DEC 20 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 591.437

RL 147.18 LAL .00 LOL 87.90 VL 25.932 GAL 12.44 AZL 87.14 MCA 304.40 SMA 117.34 ECC .32877 INC 2.8617 V1 30.271
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.326 GAP 18.70 A7P 88.38 TAL 151.49 TAP 95.89 RCA 78.76 APO 155.92 V2 34.987
 RC 205.757 GL 9.47 GP -2.37 ZAL 41.97 ZAP 176.33 ETS 222.57 ZAE 131.19 ETE 182.60 ZAC 123.57 ETC 166.80 CLP 177.20

PLANETOCENTRIC CONIC

C3 59.027 VHL 7.683 CLA 25.92 RAL 41.37 RAD 6569.1 VEL 13.431 PTH 2.45 VMP 11.905 CPA 6.80 RAP 29.28 ECC 1.9714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 49 3469.81 -21.19 128.96 290.95 70.76 4 53 39 2869.8 -23.62 121.13
 90.00 0 31 46 4141.05 -1.86 168.69 282.33 61.74 1 40 47 3541.0 -5.63 162.03
 100.00 5 43 54 3121.41 -24.25 104.45 292.07 71.96 6 35 55 2521.4 -26.48 96.36
 100.00 1 26 23 3964.68 .96 154.17 280.76 60.12 2 32 28 3364.7 -3.02 147.65
 110.00 7 40 7 2757.74 -30.80 79.06 294.30 74.38 8 26 5 2157.7 -32.63 70.32
 110.00 1 46 38 3901.11 6.78 145.75 277.15 56.42 2 51 40 3301.1 2.32 139.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8425 TRA 5.5244 TC3-1.4420 BAU 1.1379 SGT 5512.3 SGR 404.5 SG3 107.5 ST 2527.1 SR 401.2 SS 573.7
 RDE .5376 RRA .0643 RC3 .0027 FAU .00718 RRT .4867 RRF .4695 RTF .9579 CRT .8598 CRS -.8084 CST -.9954
 FDE .5866 FRA 1.3910 FC3 -.1053 BSP 18280 SGB 5527.1 R23 .0016 R13 .9579 LSA 2613.8 MSA 211.2 SSA 11.7
 BOE 2.8929 BRA 5.5248 BC3 1.4420 FSP -365 SGI 5515.8 SG2 353.1 THA 2.05 ELI 2550.7 EL2 203.0 ALF 7.82

LAUNCH DATE DEC 20 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 25.894 GAL 13.73 AZL 87.20 MCA 307.60 SMA 117.14 ECC .34407 INC 2.8038 V1 30.271
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.312 GAP 19.67 A7P 88.29 TAL 150.11 TAP 97.71 RCA 76.84 APO 157.45 V2 35.000
 RC 207.465 GL 8.63 GP -2.34 ZAL 40.16 ZAP 175.60 ETS 214.54 ZAE 131.09 ETE 182.58 ZAC 125.75 ETC 166.54 CLP 176.28

PLANETOCENTRIC CONIC
 C3 67.318 VHL 8.205 CLA 25.61 RAL 43.43 RAD 6569.3 VEL 13.736 PTH 2.51 VHP 12.496 DPA 7.70 RAP 31.38 ECC 2.1079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 22 3480.09 -20.95 129.63 295.30 70.51 5 8 22 2880.1 -23.42 121.82
 90.00 0 33 40 4194.21 -1.15 171.66 286.00 61.68 1 43 35 3594.2 -3.93 165.02
 100.00 5 56 58 3136.44 -23.92 105.45 296.41 71.52 6 49 14 2536.4 -26.23 97.40
 100.00 1 29 46 4013.09 2.60 156.83 284.47 60.21 2 36 39 3413.1 -1.39 150.31
 110.00 7 51 31 2778.03 -30.42 80.52 298.70 73.60 8 37 49 2178.0 -32.36 71.84
 110.00 1 51 42 3944.26 8.40 148.04 280.90 56.74 2 57 26 3344.3 3.97 141.76

DIFFERENTIAL CORRECTIONS
 TOE 2.8915 TRA 6.0678 TC3-1.2165 BAU 1.0948 SGT 5490.3 SGR 397.5 SG3 104.7 ST 2463.4 SR 391.8 SS 573.4
 RDE .5602 RRA .0904 RC3 .0007 FAU .00595 RRT .5118 RRF .4956 RTF .9625 CRT .8492 CRS -.8007 CST -.9961
 FDE .5837 FRA 1.4654 FC3 -.0765 BSP 18288 SGB 5504.7 R23 .0013 R13 .9625 LSA 2550.6 MSA 212.0 SSA 11.1
 BDE 2.9453 BRA 6.0685 BC3 1.2165 FSP -356 SG1 5494.1 SG2 341.2 TMA 2.13 EL1 2485.9 EL2 205.0 ALF 7.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 25.858 GAL 15.14 AZL 87.26 MCA 310.80 SMA 116.95 ECC .36121 INC 2.7407 V1 30.271
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.299 GAP 20.76 A7P 88.21 TAL 148.83 TAP 99.63 RCA 74.70 APO 159.19 V2 35.014
 RC 209.146 GL 7.81 GP -2.31 ZAL 38.50 ZAP 174.77 ETS 208.69 ZAE 130.93 ETE 182.57 ZAC 127.89 ETC 166.24 CLP 175.31

PLANETOCENTRIC CONIC
 C3 77.227 VHL 8.788 CLA 25.27 RAL 45.33 RAD 6569.5 VEL 14.092 PTH 2.57 VHP 13.157 DPA 8.58 RAP 33.46 ECC 2.2710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 24 33 3489.78 -20.73 130.25 299.52 70.27 5 22 43 2889.8 -23.23 122.47
 90.00 0 34 37 4249.01 1.62 174.71 289.52 61.73 1 45 26 3649.0 -2.17 168.09
 100.00 6 9 43 3150.73 -23.61 106.39 300.61 71.12 7 2 14 2550.7 -25.97 98.39
 100.00 1 32 9 4063.29 4.29 159.59 288.04 60.39 2 39 52 3463.3 .32 153.06
 110.00 8 2 32 2797.75 -30.03 81.93 302.95 72.85 8 49 10 2197.8 -32.08 73.31
 110.00 1 55 49 3989.03 10.07 150.44 284.51 57.16 3 2 18 3389.0 5.67 144.11

DIFFERENTIAL CORRECTIONS
 TOE 2.9512 TRA 6.6602 TC3-1.0059 BAU 1.0385 SGT 5466.8 SGR 389.7 SG3 102.2 ST 2404.2 SR 381.0 SS 576.5
 RDE .5830 RRA .1191 RC3 -.0002 FAU .00460 RRT .5372 RRF .5221 RTF .9670 CRT .8390 CRS -.7939 CST -.9968
 FDE .5841 FRA 1.5481 FC3 -.0516 BSP 18174 SGB 5480.7 R23 .0009 R13 .9670 LSA 2492.6 MSA 211.5 SSA 10.5
 BDE 3.0082 BRA 6.6612 BC3 1.0059 FSP -345 SG1 5470.8 SG2 328.4 TMA 2.20 EL1 2425.5 EL2 205.5 ALF 7.63

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 25.823 GAL 16.69 AZL 87.33 MCA 314.00 SMA 116.76 ECC .38048 INC 2.6711 V1 30.271
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.287 GAP 21.98 A7P 88.14 TAL 147.67 TAP 101.68 RCA 72.34 APO 161.19 V2 35.027
 RC 210.800 GL 7.01 GP -2.28 ZAL 36.99 ZAP 173.85 ETS 204.30 ZAE 130.72 ETE 182.55 ZAC 129.97 ETC 165.89 CLP 174.29

PLANETOCENTRIC CONIC
 C3 89.148 VHL 9.442 CLA 24.90 RAL 47.05 RAD 6569.7 VEL 14.508 PTH 2.63 VHP 13.901 DPA 9.41 RAP 35.50 ECC 2.4672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 15 3498.90 -20.52 130.84 303.58 70.05 5 36 34 2898.9 -23.06 123.08
 90.00 0 34 41 4304.94 3.42 177.84 292.89 61.87 1 46 26 3704.9 -.37 171.21
 100.00 6 22 3 3164.25 -23.31 107.29 304.65 70.74 7 14 47 2564.3 -25.73 99.32
 100.00 1 33 34 4114.82 6.02 162.44 291.46 60.66 2 42 9 3514.8 2.06 155.89
 110.00 8 13 7 2816.78 -29.64 83.27 307.03 72.14 9 0 3 2216.8 -31.79 74.72
 110.00 1 59 0 4035.06 11.75 152.94 288.00 57.67 3 6 15 3435.1 7.40 146.55

DIFFERENTIAL CORRECTIONS
 TOE 3.0145 TRA 7.2977 TC3 -.8153 BAU .9717 SGT 5436.2 SGR 380.9 SG3 99.7 ST 2343.8 SR 368.6 SS 581.7
 RDE .6054 RRA .1501 RC3 -.0003 FAU .00323 RRT .5618 RRF .5479 RTF .9714 CRT .8289 CRS -.7873 CST -.9974
 FDE .5861 FRA 1.6379 FC3 -.0314 BSP 18180 SGB 5449.5 R23 .0004 R13 .9714 LSA 2433.9 MSA 209.6 SSA 9.9
 BDE 3.0747 BRA 7.2993 BC3 .8153 FSP -337 SG1 5440.4 SG2 314.8 TMA 2.26 EL1 2363.8 EL2 204.5 ALF 7.48

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC
 RL 147.18 LAL .00 LOL 87.90 VL 25.790 GAL 18.42 AZL 87.41 MCA 317.21 SMA 116.59 ECC .40223 INC 2.5935 V1 30.271
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.276 GAP 23.37 A7P 88.10 TAL 146.66 TAP 103.87 RCA 69.69 APO 163.48 V2 35.040
 RC 212.427 GL 6.25 GP -2.25 ZAL 35.64 ZAP 172.83 ETS 200.92 ZAE 130.44 ETE 182.53 ZAC 131.99 ETC 165.49 CLP 173.20

PLANETOCENTRIC CONIC
 C3 103.598 VHL 10.178 CLA 24.49 RAL 48.60 RAD 6570.0 VEL 14.998 PTH 2.70 VHP 14.743 DPA 10.21 RAP 37.49 ECC 2.7050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 23 3507.36 -20.32 131.38 307.45 69.85 5 49 50 2907.4 -22.89 123.64
 90.00 0 33 52 4361.54 5.23 181.01 296.10 62.13 1 46 34 3761.5 1.46 174.36
 100.00 6 33 53 3176.89 -23.03 108.12 308.50 70.39 7 26 50 2576.9 -23.49 100.18
 100.00 1 34 3 4167.25 7.76 165.36 294.73 61.04 2 43 31 3567.2 3.84 158.77
 110.00 8 23 11 2834.92 -29.26 84.54 310.90 71.48 9 10 26 2234.9 -31.50 76.06
 110.00 2 1 15 4081.98 13.45 155.52 291.34 58.27 3 9 16 3482.0 9.16 149.05

DIFFERENTIAL CORRECTIONS
 TOE 3.0900 TRA 7.9945 TC3 -.6409 BAU .8877 SGT 5402.2 SGR 371.2 SG3 97.3 ST 2286.5 SR 355.0 SS 590.4
 RDE .6278 RRA .1835 RC3 .0002 FAU .00171 RRT .5862 RRF .5734 RTF .9756 CRT .8194 CRS -.7816 CST -.9979
 FDE .5913 FRA 1.7381 FC3 -.0143 BSP 18153 SGB 5414.9 R23 -.0003 R13 .9756 LSA 2379.1 MSA 206.3 SSA 9.4
 BDE 3.1531 BRA 7.9966 BC3 .6409 FSP -329 SG1 5406.6 SG2 300.5 TMA 2.31 EL1 2305.1 EL2 201.9 ALF 7.31

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 20 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 607.916

RL 147.18 LAL .00 LOL 87.90 VL 25.758 GAL 20.34 AZL 87.49 HCA 320.42 SMA 116.42 ECC .42687 INC 2.5058 VI 30.271
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.266 GAP 24.96 AZP 88.07 TAL 145.82 TAP 106.24 RCA 66.72 APO 166.12 V2 35.053
 RC 214.027 GL 5.50 GP -2.23 ZAL 34.47 ZAP 171.72 ETS 198.25 ZAE 130.08 ETE 182.50 ZAC 133.92 ETC 165.06 CLP 172.02

PLANETOCENTRIC CONIC

C3 121.261 VHL 11.012 OLA 24.06 RAL 49.95 RAD 6570.3 VEL 15.576 PTH 2.77 VHP 15.701 DPA 10.95 RAP 39.41 ECC 2.9957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 53 3514.95 -20.15 131.86 311.10 69.67 6 2 27 2914.9 -22.73 124.15
 90.00 0 32 10 4418.47 7.03 184.23 299.13 62.50 1 45 49 3818.5 3.29 177.54
 100.00 6 45 9 3188.43 -22.76 108.87 312.13 70.08 7 38 17 2588.4 -25.27 100.97
 100.00 1 33 35 4220.22 9.49 168.34 297.81 61.52 2 43 55 3620.2 5.61 161.70
 110.00 8 32 42 2851.94 -28.88 85.73 314.54 70.87 9 20 14 2251.9 -31.22 77.30
 110.00 2 2 31 4129.48 15.13 158.17 294.51 58.98 3 11 21 3529.5 10.91 151.61

DIFFERENTIAL CORRECTIONS

TDE 3.1807 TRA 8.7577 TC3 -.4827 BAU .7825
 RDE .6501 RRA .2193 RC3 .0013 FAU-.00002
 FDE .6005 FRA 1.8504 FC3 .0001 BSP 18112
 BDE 3.2464 BRA 8.7604 BC3 .4827 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5363.8 SGR 360.6 SG3 95.0
 RRT .6102 RRF .5987 RTF .9796
 SGB 5375.9 R23 -.0010 R13 .9796
 SG1 5368.3 SG2 285.4 TMA 2.36

ORBIT DETERMINATION ACCURACY

ST 2231.8 SR 340.3 SS 603.1
 CRT .8109 CRS -.7768 CST -.9983
 LSA 2328.1 MSA 201.5 SSA 8.8
 EL1 2248.9 EL2 197.7 ALF 7.10

LAUNCH DATE DEC 20 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 609.365

RL 147.18 LAL .00 LOL 87.90 VL 25.729 GAL 22.51 AZL 87.59 HCA 323.63 SMA 116.27 ECC .45488 INC 2.4053 VI 30.271
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.258 GAP 26.78 AZP 88.06 TAL 145.19 TAP 108.82 RCA 63.38 APO 169.16 V2 35.067
 RC 215.599 GL 4.78 GP -2.20 ZAL 33.48 ZAP 170.48 ETS 196.08 ZAE 129.61 ETE 182.47 ZAC 135.74 ETC 164.58 CLP 170.74

PLANETOCENTRIC CONIC

C3 143.054 VHL 11.961 OLA 23.59 RAL 51.10 RAD 6570.6 VEL 16.260 PTH 2.85 VHP 16.800 DPA 11.65 RAP 41.24 ECC 3.3543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 15 40 3521.33 -19.99 132.27 314.49 69.52 6 14 21 2921.3 -22.60 124.57
 90.00 0 29 31 4475.42 8.81 187.47 301.94 62.98 1 44 6 3875.4 5.11 180.74
 100.00 6 55 46 3198.56 -22.52 109.53 315.50 69.81 7 49 5 2598.6 -25.07 101.66
 100.00 1 32 5 4273.42 11.20 171.36 300.68 62.10 2 43 19 3673.4 7.38 164.66
 110.00 8 41 35 2867.51 -28.53 86.80 317.91 70.32 9 29 23 2267.5 -30.94 78.43
 110.00 2 2 46 4177.24 16.79 160.88 297.48 59.78 3 12 23 3577.2 12.65 154.22

DIFFERENTIAL CORRECTIONS

TDE 3.2952 TRA 9.6022 TC3 -.3388 BAU .6480
 RDE .6727 RRA .2576 RC3 .0027 FAU-.00210
 FDE .6152 FRA 1.9781 FC3 .0127 BSP 17943
 BDE 3.3632 BRA 9.6056 BC3 .3388 FSP -313

MID-COURSE EXECUTION ACCURACY

SGT 5323.6 SGR 349.3 SG3 92.9
 RRT .6341 RRF .6239 RTF .9833
 SGB 5335.1 R23 -.0017 R13 .9833
 SG1 5328.3 SG2 269.9 TMA 2.39

ORBIT DETERMINATION ACCURACY

ST 2181.7 SR 324.8 SS 621.0
 CRT .8038 CRS -.7736 CST -.9987
 LSA 2283.1 MSA 195.1 SSA 8.3
 EL1 2197.3 EL2 191.8 ALF 6.88

LAUNCH DATE DEC 20 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 609.755

RL 147.18 LAL .00 LOL 87.90 VL 25.703 GAL 24.98 AZL 87.71 HCA 326.84 SMA 116.13 ECC .48686 INC 2.2881 VI 30.271
 RP 108.03 LAP -1.25 LOP 54.76 VP 36.252 GAP 28.88 AZP 88.08 TAL 144.83 TAP 111.68 RCA 59.59 APO 172.67 V2 35.080
 RC 217.144 GL 4.09 GP -2.18 ZAL 32.72 ZAP 169.11 ETS 194.28 ZAE 129.00 ETE 182.43 ZAC 137.44 ETC 164.08 CLP 169.33

PLANETOCENTRIC CONIC

C3 170.220 VHL 13.047 OLA 23.09 RAL 52.01 RAD 6570.8 VEL 17.075 PTH 2.93 VHP 18.066 DPA 12.29 RAP 42.96 ECC 3.8014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 41 3526.08 -19.88 132.57 317.57 69.41 6 25 27 2926.1 -22.51 124.88
 90.00 0 25 48 4532.16 10.55 190.73 304.51 63.57 1 41 20 3932.2 6.91 183.94
 100.00 7 5 41 3206.88 -22.33 110.07 318.56 69.59 7 59 8 2606.9 -24.90 102.22
 100.00 1 29 29 4326.60 12.88 174.42 303.30 62.79 2 41 35 3726.6 9.13 167.64
 110.00 8 49 47 2881.23 -28.21 87.74 320.96 69.85 9 37 48 2281.2 -30.69 79.42
 110.00 2 1 53 4225.00 18.40 163.64 300.22 60.67 3 12 18 3625.0 14.36 156.86

DIFFERENTIAL CORRECTIONS

TDE 3.4284 TRA10.5277 TC3 -.2119 BAU .4822
 RDE .6952 RRA .2977 RC3 .0044 FAU-.00453
 FDE .6341 FRA 2.1218 FC3 .0231 BSP 17894
 BDE 3.4982 BRA10.5320 BC3 .2119 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 5275.5 SGR 337.0 SG3 90.9
 RRT .6568 RRF .6477 RTF .9866
 SGB 5286.2 R23 -.0024 R13 .9866
 SG1 5280.1 SG2 253.9 TMA 2.41

ORBIT DETERMINATION ACCURACY

ST 2130.8 SR 308.3 SS 643.4
 CRT .7976 CRS -.7711 CST -.9990
 LSA 2239.2 MSA 187.5 SSA 7.7
 EL1 2145.1 EL2 184.7 ALF 6.63

LAUNCH DATE DEC 20 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 608.762

RL 147.18 LAL .00 LOL 87.90 VL 25.679 GAL 27.80 AZL 87.85 HCA 330.06 SMA 116.01 ECC .52344 INC 2.1488 VI 30.271
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.248 GAP 31.34 AZP 88.14 TAL 144.81 TAP 114.86 RCA 55.28 APO 176.73 V2 35.092
 RC 218.662 GL 3.41 GP -2.15 ZAL 32.19 ZAP 167.57 ETS 192.74 ZAE 128.24 ETE 182.39 ZAC 138.99 ETC 163.56 CLP 167.76

PLANETOCENTRIC CONIC

C3 204.458 VHL 14.299 OLA 22.54 RAL 52.67 RAD 6571.1 VEL 18.049 PTH 3.01 VHP 19.538 DPA 12.87 RAP 44.54 ECC 4.3649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 53 3528.68 -19.82 132.74 320.30 69.35 6 35 41 2928.7 -22.45 125.06
 90.00 0 20 51 4588.54 12.23 194.01 306.78 64.26 1 37 19 3988.5 8.67 187.15
 100.00 7 14 49 3212.90 -22.18 110.46 321.26 69.43 8 8 22 2612.9 -24.78 102.63
 100.00 1 25 36 4379.55 14.50 177.51 305.64 63.57 2 38 35 3779.5 10.84 170.64
 110.00 8 57 10 2892.66 -27.94 88.52 323.64 69.46 9 45 23 2292.7 -30.48 80.24
 110.00 1 59 43 4272.56 19.97 166.44 302.68 61.66 3 10 56 3672.6 16.02 159.54

DIFFERENTIAL CORRECTIONS

TDE 3.5932 TRA11.5517 TC3 -.0992 BAU .2717
 RDE .7182 RRA .3392 RC3 .0061 FAU-.00757
 FDE .6600 FRA 2.2859 FC3 .0321 BSP 17811
 BDE 3.6643 BRA11.5567 BC3 .0994 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 5222.2 SGR 323.7 SG3 89.0
 RRT .6783 RRF .6706 RTF .9895
 SGB 5232.2 R23 -.0031 R13 .9895
 SG1 5226.8 SG2 237.6 TMA 2.41

ORBIT DETERMINATION ACCURACY

ST 2081.7 SR 291.1 SS 672.0
 CRT .7932 CRS -.7700 CST -.9993
 LSA 2199.5 MSA 178.7 SSA 7.1
 EL1 2094.6 EL2 176.2 ALF 6.37

LAUNCH DATE DEC 21 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 1 1966

HELIOCENTRIC CONIC

DISTANCE 200.341

RL 147.17 LAL .00 LOL 88.92 VL 28.700 GAL -12.19 AZL 86.71 MCA 91.66 SMA 135.44 ECC .22748 INC 3.2920 V1 30.273
 RP 107.73 LAP 3.29 LOP 180.58 VP 38.522 GAP -5.83 AZP 90.10 TAL 235.96 TAP 327.62 RCA 104.63 APO 166.25 V2 35.176
 RC 61.127 GL 14.21 GP 5.45 ZAL 154.93 ZAP 37.83 ETS 351.60 ZAE 158.05 ETE 350.22 ZAC 57.35 ETC 165.24 CLP -37.50

PLANETOCENTRIC CONIC

C3 43.060 VHL 6.562 CLA -7.91 RAL 289.35 RAD 6568.6 VEL 12.823 PTH 2.33 VHP 5.187 DPA -11.60 RAP 324.71 ECC 1.7087
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 39 2157.14 -18.13 37.88 161.73 112.13 2 17 37 1557.1 -14.98 30.63
 90.00 11 40 26 5296.82 27.24 240.12 167.20 81.93 13 8 42 4696.8 25.84 231.73
 100.00 2 59 11 1907.03 -19.42 18.92 161.17 113.18 3 30 58 1307.0 -16.11 11.69
 100.00 13 5 35 5022.16 28.61 219.69 166.96 80.95 14 29 17 4422.2 27.06 211.22
 110.00 3 58 43 1720.62 -22.84 3.09 159.48 116.15 4 27 24 1120.6 -19.14 355.91
 110.00 14 22 32 4781.33 32.31 200.61 166.17 78.19 15 42 14 4181.3 30.35 191.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1368 TRA -.3836 TC3 .2253 BAU .1303 SGT 464.8 SGR 393.1 SG3 208.2 ST 157.0 SR 383.9 SS 239.6
 RDE -.4387 RRA .0946 RC3 -.0221 FAU .08025 RRT .0492 RRF -.2002 RTF -.2809 CRT .7171 CRS .8279 CST .2203
 FDE .4842 FRA -1.2141 FC3 -1.6135 BSP 826 SGB 608.8 R23 -.1518 R13 -.3011 LSA 448.0 MSA 167.9 SSA 22.2
 BDE .4595 BRA .3951 BC3 .2264 FSP -583 SG1 466.2 SG2 391.5 TMA 8.14 EL1 401.3 EL2 104.7 ALF 72.42

LAUNCH DATE DEC 21 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 3 1966

HELIOCENTRIC CONIC

DISTANCE 207.052

RL 147.17 LAL .00 LOL 88.92 VL 28.757 GAL -12.08 AZL 86.75 MCA 94.89 SMA 135.89 ECC .22446 INC 3.2503 V1 30.273
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.555 GAP -5.09 AZP 90.28 TAL 236.73 TAP 331.62 RCA 105.39 APO 166.39 V2 35.166
 RC 63.151 GL 14.21 GP 5.83 ZAL 155.30 ZAP 42.18 ETS 352.12 ZAE 160.19 ETE 351.27 ZAC 56.18 ETC 165.36 CLP -41.85

PLANETOCENTRIC CONIC

C3 42.211 VHL 6.497 CLA -7.98 RAL 288.92 RAD 6568.6 VEL 12.790 PTH 2.33 VHP 4.873 DPA -11.57 RAP 323.51 ECC 1.6947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 26 2150.07 -17.95 37.44 160.96 112.27 2 16 16 1550.1 -14.78 30.20
 90.00 11 38 12 5293.85 27.21 239.91 166.41 81.83 13 6 26 4693.9 25.80 231.52
 100.00 2 57 55 1900.07 -19.23 18.49 160.39 113.34 3 29 36 1300.1 -15.91 11.27
 100.00 13 3 24 5019.08 28.58 219.46 166.18 80.84 14 27 3 4419.1 27.02 211.01
 110.00 3 57 23 1713.89 -22.64 2.67 158.70 116.33 4 25 57 1113.9 -18.91 355.52
 110.00 14 20 25 4778.03 32.27 200.36 165.38 78.05 15 40 3 4178.0 30.28 191.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1257 TRA -.4014 TC3 .2048 BAU .1158 SGT 459.2 SGR 394.3 SG3 235.1 ST 154.5 SR 384.6 SS 254.2
 RDE -.4350 RRA .1004 RC3 -.0129 FAU .08941 RRT .0339 RRF -.2344 RTF -.1987 CRT .6677 CRS .8245 CST .1460
 FDE .5368 FRA -1.3771 FC3 -1.8338 BSP 739 SGB 605.2 R23 -.2083 R13 -.2190 LSA 452.3 MSA 177.0 SSA 22.2
 BDE .4529 BRA .4137 BC3 .2052 FSP -673 SG1 459.9 SG2 393.4 TMA 6.24 EL1 399.4 EL2 110.7 ALF 73.70

LAUNCH DATE DEC 21 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 213.724

RL 147.17 LAL .00 LOL 88.92 VL 28.801 GAL -11.98 AZL 86.79 MCA 98.12 SMA 136.25 ECC .22181 INC 3.2082 V1 30.273
 RP 107.80 LAP 3.18 LOP 187.05 VP 38.578 GAP -4.39 AZP 90.45 TAL 237.33 TAP 335.43 RCA 106.03 APO 166.47 V2 35.155
 RC 65.219 GL 14.18 GP 6.24 ZAL 155.59 ZAP 46.75 ETS 352.62 ZAE 162.65 ETE 352.56 ZAC 54.78 ETC 165.50 CLP -46.43

PLANETOCENTRIC CONIC

C3 41.421 VHL 6.436 CLA -8.04 RAL 288.59 RAD 6568.6 VEL 12.759 PTH 2.32 VHP 4.593 DPA -11.57 RAP 322.08 ECC 1.6817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 38 2143.14 -17.77 37.01 160.30 112.41 2 15 21 1543.1 -14.58 29.79
 90.00 11 36 21 5291.25 27.18 239.72 165.75 81.74 13 4 32 4691.2 25.76 231.34
 100.00 2 57 6 1893.26 -19.05 18.07 159.73 113.48 3 28 39 1293.3 -15.71 10.86
 100.00 13 1 35 5016.37 28.55 219.27 165.51 80.74 14 25 11 4416.4 26.97 210.82
 110.00 3 56 29 1707.32 -22.44 2.27 158.04 116.49 4 24 56 1107.3 -18.70 355.13
 110.00 14 18 41 4775.06 32.22 200.14 164.71 77.92 15 38 16 4175.1 30.23 191.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1138 TRA -.4273 TC3 .1749 BAU .0969 SGT 456.7 SGR 395.5 SG3 263.5 ST 153.6 SR 384.7 SS 269.0
 RDE -.4309 RRA .1073 RC3 -.0020 FAU .09902 RRT .0066 RRF -.2735 RTF -.0862 CRT .6012 CRS .8243 CST .0590
 FDE .5943 FRA -1.5440 FC3 -2.0696 BSP 609 SGB 604.2 R23 -.2711 R13 -.0916 LSA 456.9 MSA 186.3 SSA 22.1
 BDE .4456 BRA .4406 BC3 .1750 FSP -764 SG1 456.8 SG2 395.5 TMA 1.31 EL1 396.7 EL2 119.0 ALF 75.13

LAUNCH DATE DEC 21 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 220.358

RL 147.17 LAL .00 LOL 88.92 VL 28.835 GAL -11.87 AZL 86.83 MCA 101.35 SMA 136.52 ECC .21947 INC 3.1654 V1 30.273
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.593 GAP -3.71 AZP 90.62 TAL 237.77 TAP 339.12 RCA 106.56 APO 166.48 V2 35.143
 RC 67.327 GL 14.14 GP 6.67 ZAL 155.81 ZAP 51.53 ETS 353.11 ZAE 165.41 ETE 354.28 ZAC 53.17 ETC 165.64 CLP -51.22

PLANETOCENTRIC CONIC

C3 40.672 VHL 6.377 CLA -8.12 RAL 288.35 RAD 6568.6 VEL 12.729 PTH 2.31 VHP 4.346 DPA -11.60 RAP 320.43 ECC 1.6694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 15 2136.27 -17.59 36.58 159.75 112.55 2 14 51 1536.3 -14.39 29.38
 90.00 11 34 52 5288.90 27.16 239.55 165.20 81.66 13 3 1 4688.9 25.72 231.18
 100.00 2 56 40 1886.50 -18.86 17.65 159.18 113.63 3 28 7 1286.5 -15.51 10.46
 100.00 13 0 7 5013.90 28.52 219.09 164.96 80.65 14 23 41 4413.9 26.93 210.65
 110.00 3 55 58 1700.83 -22.24 1.87 157.49 116.65 4 24 19 1100.8 -18.48 354.75
 110.00 14 17 19 4772.34 32.18 199.94 164.15 77.81 15 36 51 4172.3 30.17 191.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0987 TRA -.4597 TC3 .1372 BAU .0748 SGT 461.0 SGR 397.0 SG3 293.6 ST 153.5 SR 384.0 SS 282.6
 RDE -.4260 RRA .1153 RC3 .0105 FAU .10913 RRT -.0403 RRF -.3157 RTF .0507 CRT .5092 CRS .8233 CST -.0544
 FDE .6493 FRA -1.7161 FC3 -2.3229 BSP 506 SGB 608.4 R23 .3063 R13 -.0856 LSA 460.5 MSA 195.7 SSA 22.1
 BDE .4372 BRA .4740 BC3 .1376 FSP -868 SG1 462.1 SG2 395.7 TMA 172.49 EL1 392.8 EL2 129.1 ALF 77.08

LAUNCH DATE DEC 21 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 226.952

RL 147.17 LAL .00 LOL 88.92 VL 28.858 GAL -11.77 AZL 86.88 HCA 104.58 SMA 136.71 ECC .21737 INC 3.1217 V1 30.273
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.599 GAP -3.08 AZP 90.79 TAL 238.06 TAP 342.64 RCA 106.99 APO 166.42 V2 35.132
 RC 69.470 GL 14.09 GP 7.11 ZAL 155.97 ZAP 56.51 ETS 353.61 ZAE 168.43 ETE 356.84 ZAC 51.36 ETC 165.79 CLP -56.21

PLANETOCENTRIC CONIC

C3 39.948 VHL 6.320 CLA -8.19 RAL 288.21 RAD 6568.5 VEL 12.701 PTH 2.31 VHP 4.134 CPA -11.66 RAP 318.59 ECC 1.6574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 15 2129.39 -17.41 36.16 159.29 112.69 2 14 44 1529.4 -14.19 28.97
 90.00 11 33 43 5286.72 27.14 239.40 164.75 81.58 13 1 49 4686.7 25.69 231.03
 100.00 2 56 38 1879.75 -18.68 17.23 158.72 113.77 3 27 57 1279.7 -15.31 10.06
 100.00 12 59 1 5011.59 28.50 218.92 164.51 80.56 14 22 32 4411.6 26.90 210.48
 110.00 3 55 50 1694.35 -22.04 1.47 157.03 116.81 4 24 5 1094.3 -18.27 354.37
 110.00 14 16 18 4769.76 32.15 199.75 163.69 77.70 15 35 47 4169.8 30.12 191.12

DIFFERENTIAL CORRECTIONS

TDE -.0825 TRA -.5009 TC3 .0890 BAU .0493
 RDE -.4204 RRA .1240 RC3 .0245 FAU .11913
 FDE .7061 FRA -1.8808 FC3 -2.5818 BSP 457
 BDE .4284 BRA .5160 BC3 .0923 FSP -967

MID-COURSE EXECUTION ACCURACY

SGT 478.2 SGR 398.8 SG3 323.6
 RRT -.1055 RRF -.3619 RTF .2094
 SGB 622.7 R23 -.2895 R13 -.2772
 SG1 483.8 SG2 392.0 TMA 164.99

ORBIT DETERMINATION ACCURACY

ST 156.7 SR 382.6 SS 295.9
 CRT .3971 CRS .8254 CST -.1768
 LSA 464.8 MSA 204.9 SSA 22.0
 EL1 388.4 EL2 141.6 ALF 79.33

LAUNCH DATE DEC 21 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 233.507

RL 147.17 LAL .00 LOL 88.92 VL 28.871 GAL -11.67 AZL 86.92 HCA 107.80 SMA 136.81 ECC .21546 INC 3.0768 V1 30.273
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.598 GAP -2.47 AZP 90.94 TAL 238.21 TAP 346.01 RCA 107.34 APO 166.29 V2 35.120
 RC 71.643 GL 14.02 GP 7.57 ZAL 156.06 ZAP 61.64 ETS 354.13 ZAE 171.66 ETE 1.32 ZAC 49.39 ETC 165.97 CLP -61.37

PLANETOCENTRIC CONIC

C3 39.239 VHL 6.264 CLA -8.26 RAL 288.15 RAD 6568.5 VEL 12.673 PTH 2.30 VHP 3.954 CPA -11.73 RAP 316.58 ECC 1.6458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 36 2122.44 -17.23 35.73 158.93 112.82 2 14 59 1522.4 -13.99 28.55
 90.00 11 32 53 5284.63 27.12 239.25 164.38 81.51 13 0 58 4684.6 25.66 230.88
 100.00 2 56 57 1872.92 -18.49 16.81 158.35 113.91 3 28 10 1272.9 -15.10 9.66
 100.00 12 58 13 5009.38 28.47 218.76 164.14 80.48 14 21 43 4409.4 26.86 210.33
 110.00 3 56 4 1687.80 -21.84 1.07 156.66 116.98 4 24 12 1087.8 -18.05 353.99
 110.00 14 15 35 4767.26 32.11 199.56 163.32 77.60 15 35 3 4167.3 30.07 190.94

DIFFERENTIAL CORRECTIONS

TDE -.0634 TRA -.5488 TC3 .0319 BAU .0269
 RDE -.4138 RRA .1334 RC3 .0401 FAU .12901
 FDE .7547 FRA -2.0386 FC3 -2.8463 BSP 564
 BDE .4186 BRA .5648 BC3 .0512 FSP -1073

MID-COURSE EXECUTION ACCURACY

SGT 512.1 SGR 401.2 SG3 353.5
 RRT -.1877 RRF -.4098 RTF .3690
 SGB 650.5 R23 .2479 R13 -.4415
 SG1 524.6 SG2 384.7 TMA 161.36

ORBIT DETERMINATION ACCURACY

ST 162.9 SR 380.3 SS 306.9
 CRT .2637 CRS .8262 CST -.3133
 LSA 468.1 MSA 213.8 SSA 21.9
 EL1 383.2 EL2 155.9 ALF 82.27

LAUNCH DATE DEC 21 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 240.022

RL 147.17 LAL .00 LOL 88.92 VL 28.876 GAL -11.57 AZL 86.97 HCA 111.02 SMA 136.85 ECC .21371 INC 3.0302 V1 30.273
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.591 GAP -1.89 AZP 91.09 TAL 238.22 TAP 349.24 RCA 107.61 APO 166.10 V2 35.108
 RC 73.849 GL 13.94 GP 8.02 ZAL 156.10 ZAP 66.89 ETS 354.69 ZAE 174.97 ETE 11.73 ZAC 47.30 ETC 166.16 CLP -66.65

PLANETOCENTRIC CONIC

C3 38.536 VHL 6.208 CLA -8.34 RAL 288.17 RAD 6568.5 VEL 12.645 PTH 2.30 VHP 3.805 CPA -11.81 RAP 314.44 ECC 1.6342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 19 2115.34 -17.04 35.29 158.64 112.96 2 15 34 1515.3 -13.79 28.13
 90.00 11 32 21 5282.59 27.10 239.10 164.09 81.44 13 0 24 4682.6 25.63 230.74
 100.00 2 57 37 1865.96 -18.30 16.39 158.06 114.06 3 28 43 1266.0 -14.89 9.25
 100.00 12 57 44 5007.20 28.45 218.60 163.85 80.40 14 21 11 4407.2 26.83 210.18
 110.00 3 56 38 1681.13 -21.63 .66 156.36 117.14 4 24 40 1081.1 -17.82 353.60
 110.00 14 15 12 4764.80 32.07 199.38 163.03 77.49 15 34 37 4164.8 30.02 190.77

DIFFERENTIAL CORRECTIONS

TDE -.0436 TRA -.6047 TC3 -.0357 BAU .0346
 RDE -.4064 RRA .1429 RC3 .0568 FAU .13797
 FDE .8011 FRA -2.1734 FC3 -3.0995 BSP 815
 BDE .4087 BRA .6213 BC3 .0671 FSP -1166

MID-COURSE EXECUTION ACCURACY

SGT 567.3 SGR 404.3 SG3 381.2
 RRT -.2756 RRF -.4592 RTF .5133
 SGB 696.6 R23 .2101 R13 -.5732
 SG1 586.4 SG2 375.9 TMA 160.70

ORBIT DETERMINATION ACCURACY

ST 174.0 SR 377.2 SS 317.1
 CRT .1269 CRS .8299 CST -.4371
 LSA 472.5 MSA 222.2 SSA 21.7
 EL1 378.0 EL2 172.2 ALF 85.77

LAUNCH DATE DEC 21 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 246.498

RL 147.17 LAL .00 LOL 88.92 VL 28.873 GAL -11.46 AZL 87.02 HCA 114.24 SMA 136.83 ECC .21208 INC 2.9816 V1 30.273
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.577 GAP -1.34 AZP 91.23 TAL 238.10 TAP 352.34 RCA 107.81 APO 165.85 V2 35.095
 RC 76.070 GL 13.85 GP 8.48 ZAL 156.08 ZAP 72.21 ETS 355.29 ZAE 177.71 ETE 53.55 ZAC 45.14 ETC 166.37 CLP -72.00

PLANETOCENTRIC CONIC

C3 37.831 VHL 6.151 CLA -8.42 RAL 288.27 RAD 6568.5 VEL 12.617 PTH 2.29 VHP 3.687 CPA -11.88 RAP 312.23 ECC 1.6226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 21 2108.02 -16.85 34.85 158.42 113.10 2 16 29 1508.0 -13.58 27.70
 90.00 11 32 6 5280.58 27.07 238.96 163.88 81.37 13 0 6 4680.6 25.60 230.60
 100.00 2 58 36 1858.78 -18.10 15.95 157.84 114.20 3 29 35 1258.8 -14.68 8.82
 100.00 12 57 31 5005.05 28.42 218.45 163.63 80.33 14 20 56 4405.1 26.79 210.03
 110.00 3 57 32 1674.25 -21.42 .24 156.14 117.30 4 25 27 1074.3 -17.59 353.21
 110.00 14 15 5 4762.34 32.04 199.20 162.81 77.39 15 34 27 4162.3 29.97 190.59

DIFFERENTIAL CORRECTIONS

TDE -.0221 TRA -.6663 TC3 -.1120 BAU .0681
 RDE -.3977 RRA .1525 RC3 .0748 FAU .14603
 FDE .8328 FRA -2.2880 FC3 -3.3417 BSP 1147
 BDE .3984 BRA .6835 BC3 .1347 FSP -1260

MID-COURSE EXECUTION ACCURACY

SGT 642.7 SGR 407.9 SG3 406.6
 RRT -.3630 RRF -.5081 RTF .6290
 SGB 761.2 R23 .1795 R13 -.6735
 SG1 667.5 SG2 366.0 TMA 161.18

ORBIT DETERMINATION ACCURACY

ST 189.4 SR 373.0 SS 324.1
 CRT -.0072 CRS .8318 CST -.5514
 LSA 476.1 MSA 229.9 SSA 21.6
 EL1 373.0 EL2 189.4 ALF 90.28

LAUNCH DATE DEC 21 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 252.937

RL 147.17 LAL .00 LOL 88.92 VL 28.863 GAL -11.35 AZL 87.07 MCA 117.45 SMA 136.75 ECC .21055 INC 2.9305 V1 30.273
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.558 GAP -.81 A7P 91.35 TAL 237.87 TAP 355.32 RCA 107.96 APO 165.54 V2 35.082
 RC 78.316 GL 13.74 GP 8.93 ZAL 156.01 ZAP 77.53 ETS 355.94 ZAE 176.51 ETE 130.92 ZAC 42.96 ETC 166.61 CLP -77.38

PLANETOCENTRIC CONIC

C3 37.119 VHL 6.093 OLA -8.51 RAL 288.44 RAD 6568.4 VEL 12.589 PTH 2.28 VHP 3.598 DPA -11.93 RAP 310.01 ECC 1.6109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 43 2100.39 -16.64 34.38 158.26 113.24 2 17 44 1500.4 -13.36 27.24
 90.00 11 32 5 5278.60 27.05 238.82 163.73 81.30 13 0 4 4678.6 25.57 230.46
 100.00 2 59 56 1851.30 -17.89 15.49 157.69 114.36 3 30 47 1251.3 -14.45 8.38
 100.00 12 57 34 5002.92 28.40 218.30 163.48 80.25 14 20 56 4402.9 26.76 209.88
 110.00 3 58 45 1667.10 -21.19 359.81 155.98 117.47 4 26 33 1067.1 -17.35 352.79
 110.00 14 15 13 4759.89 32.00 199.01 162.65 77.29 15 34 33 4159.9 29.92 190.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0005 TRA -.7338 TC3 -.1975 BAU .1084 SGT 738.1 SGR 412.0 SG3 427.3 ST 209.5 SR 367.9 SS 329.6
 ROE -.3881 RRA .1615 RC3 .0933 FAU .15236 RRT -.4419 RRF -.5558 RTF .7154 CRT -.1231 CRS .8362 CST -.6388
 FDE .8582 FRA -2.3662 FC3 -3.5536 BSP 1544 SGB 845.3 R23 .1588 R13 -.7470 LSA 481.0 MSA 236.7 SSA 21.4
 BOE .3881 BRA .7514 BC3 .2185 FSP -1330 SGI 766.8 SG2 355.8 THA 162.19 EL1 369.2 EL2 207.1 ALF 95.86

LAUNCH DATE DEC 21 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 259.338

RL 147.17 LAL .00 LOL 88.92 VL 28.847 GAL -11.24 AZL 87.12 MCA 120.67 SMA 136.62 ECC .20910 INC 2.8763 V1 30.273
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.534 GAP -.31 A7P 91.47 TAL 237.52 TAP 358.19 RCA 108.05 APO 165.19 V2 35.069
 RC 80.581 GL 13.61 GP 9.37 ZAL 155.89 ZAP 82.80 ETS 356.63 ZAE 173.15 ETE 150.25 ZAC 40.83 ETC 166.88 CLP -82.70

PLANETOCENTRIC CONIC

C3 36.395 VHL 6.033 OLA -8.61 RAL 288.68 RAD 6568.4 VEL 12.560 PTH 2.28 VHP 3.536 DPA -11.95 RAP 307.83 ECC 1.5990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 25 2092.36 -16.43 33.89 158.17 113.39 2 19 18 1492.4 -13.12 26.77
 90.00 11 32 18 5276.68 27.03 238.68 163.63 81.24 13 0 14 4676.7 25.55 230.33
 100.00 3 1 35 1843.43 -17.67 15.01 157.59 114.51 3 32 18 1243.4 -14.21 7.92
 100.00 12 57 49 5000.84 28.37 218.15 163.38 80.17 14 21 10 4400.8 26.72 209.73
 110.00 4 0 18 1659.58 -20.96 359.35 155.88 117.64 4 27 57 1059.6 -17.09 352.36
 110.00 14 15 36 4757.45 31.97 198.83 162.55 77.19 15 34 53 4157.5 29.87 190.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0213 TRA -.8046 TC3 -.2901 BAU .1514 SGT 848.6 SGR 416.3 SG3 444.2 ST 233.0 SR 361.4 SS 331.5
 ROE -.3769 RRA .1701 RC3 .1127 FAU .15725 RRT -.5126 RRF -.6011 RTF .7770 CRT -.2216 CRS .8381 CST -.7101
 FDE .8643 FRA -2.4160 FC3 -3.7406 BSP 1973 SGB 945.3 R23 .1436 R13 -.7993 LSA 485.3 MSA 242.3 SSA 21.3
 BOE .3775 BRA .8223 BC3 .3112 FSP -1398 SGI 880.8 SG2 344.7 THA 165.24 EL1 367.3 EL2 223.5 ALF 103.03

LAUNCH DATE DEC 21 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 265.703

RL 147.17 LAL .00 LOL 88.92 VL 28.825 GAL -11.12 AZL 87.18 MCA 123.88 SMA 136.44 ECC .20772 INC 2.8185 V1 30.273
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.506 GAP .16 A7P 91.57 TAL 237.07 TAP .95 RCA 108.10 APO 164.78 V2 35.056
 RC 82.862 GL 13.47 GP 9.81 ZAL 155.72 ZAP 87.95 ETS 357.38 ZAE 169.58 ETE 156.65 ZAC 38.80 ETC 167.19 CLP -87.92

PLANETOCENTRIC CONIC

C3 35.656 VHL 5.971 OLA -8.71 RAL 288.98 RAD 6568.4 VEL 12.531 PTH 2.27 VHP 3.499 DPA -11.92 RAP 305.75 ECC 1.5868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 28 2083.81 -16.20 33.37 158.12 113.55 2 21 12 1483.8 -12.87 26.27
 90.00 11 32 41 5274.86 27.02 238.55 163.59 81.18 13 0 36 4674.9 25.52 230.20
 100.00 3 3 34 1835.06 -17.43 14.50 157.54 114.68 3 34 9 1235.1 -13.96 7.43
 100.00 12 58 16 4998.85 28.35 218.00 163.35 80.10 14 21 35 4398.8 26.69 209.59
 110.00 4 2 9 1651.60 -20.70 358.87 155.84 117.83 4 29 41 1051.6 -16.82 351.90
 110.00 14 16 10 4755.07 31.93 198.66 162.51 77.09 15 35 25 4155.1 29.82 190.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0419 TRA -.8780 TC3 -.3896 BAU .1961 SGT 971.9 SGR 420.8 SG3 455.1 ST 259.2 SR 353.8 SS 331.8
 ROE -.3648 RRA .1775 RC3 .1320 FAU .15998 RRT -.5730 RRF -.6439 RTF .8200 CRT -.2284 CRS .8426 CST -.7585
 FDE .8636 FRA -2.4243 FC3 -3.8843 BSP 2435 SGB 1059.0 R23 .1352 R13 -.8362 LSA 491.1 MSA 246.6 SSA 21.1
 BOE .3672 BRA .8937 BC3 .4114 FSP -1436 SGI 1005.2 SG2 333.4 THA 164.29 EL1 368.9 EL2 237.3 ALF 111.67

LAUNCH DATE DEC 21 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 272.034

RL 147.17 LAL .00 LOL 88.92 VL 28.798 GAL -10.99 AZL 87.24 MCA 127.09 SMA 136.22 ECC .20639 INC 2.7562 V1 30.273
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.473 GAP .62 A7P 91.66 TAL 236.53 TAP 3.62 RCA 108.10 APO 164.33 V2 35.043
 RC 85.157 GL 13.30 GP 10.25 ZAL 155.52 ZAP 92.94 ETS 358.18 ZAE 166.06 ETE 159.76 ZAC 36.92 ETC 167.57 CLP -92.99

PLANETOCENTRIC CONIC

C3 34.900 VHL 5.908 OLA -8.83 RAL 289.35 RAD 6568.4 VEL 12.501 PTH 2.26 VHP 3.484 DPA -11.83 RAP 303.84 ECC 1.5744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 52 2074.60 -15.94 32.81 158.13 113.71 2 23 26 1474.6 -12.60 25.72
 90.00 11 33 14 5273.25 27.00 238.44 163.61 81.12 13 1 7 4673.3 25.49 230.09
 100.00 3 5 54 1826.05 -17.17 13.96 157.55 114.85 3 36 20 1226.0 -13.68 6.91
 100.00 12 58 52 4997.03 28.33 217.87 163.36 80.04 14 22 9 4397.0 26.66 209.47
 110.00 4 4 21 1643.03 -20.43 358.36 155.84 118.02 4 31 44 1043.0 -16.52 351.41
 110.00 14 16 55 4752.81 31.89 198.49 162.52 77.00 15 36 8 4152.8 29.78 189.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0611 TRA -.9521 TC3 -.4944 BAU .2413 SGT 1103.7 SGR 425.2 SG3 461.4 ST 287.1 SR 344.8 SS 328.7
 ROE -.3510 RRA .1841 RC3 .1519 FAU .16107 RRT -.6262 RRF -.6837 RTF .8501 CRT -.3582 CRS .8450 CST -.7956
 FDE .8449 FRA -2.4030 FC3 -3.9956 BSP 2915 SGB 1182.7 R23 .1305 R13 -.8621 LSA 496.7 MSA 249.4 SSA 20.9
 BOE .3563 BRA .9697 BC3 .5172 FSP -1467 SGI 1138.2 SG2 321.4 THA 165.23 EL1 374.8 EL2 246.5 ALF 121.39

LAUNCH DATE DEC 21 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 278.330

RL 147.17 LAL .00 LOL 88.92 VL 28.766 GAL -10.86 AZL 87.31 MCA 130.30 SMA 135.96 ECC .20512 INC 2.6885 V1 30.273
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.437 GAP 1.05 AZP 91.74 TAL 235.90 TAP 6.19 RCA 108.08 APO 163.85 V2 35.030
 RC 87.465 GL 13.11 GP 10.70 ZAL 155.27 ZAP 97.72 ETS 359.04 ZAE 162.65 ETE 161.54 ZAC 35.24 ETC 168.02 CLP -97.86

PLANETOCENTRIC CONIC

C3 34.125 VHL 5.842 CLA -8.96 RAL 289.78 RAD 6568.3 VEL 12.470 PTH 2.26 VHP 3.489 DPA -11.68 RAP 302.11 ECC 1.5616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 39 2064.55 -15.67 32.20 158.17 113.89 2 26 4 1464.5 -12.31 25.13
 90.00 11 33 52 5271.96 26.99 238.34 163.67 81.08 13 1 44 4672.0 25.47 230.00
 100.00 3 8 37 1816.23 -16.89 13.36 157.59 115.04 3 38 54 1216.2 -13.38 6.33
 100.00 12 59 35 4995.50 28.31 217.76 163.42 79.98 14 22 51 4395.5 26.64 209.36
 110.00 4 6 55 1633.73 -20.13 357.80 155.88 118.23 4 34 8 1033.7 -16.20 350.88
 110.00 14 17 48 4750.77 31.86 198.34 162.58 76.91 15 36 58 4150.8 29.74 189.78

DIFFERENTIAL CORRECTIONS

TDE .0780 TRA-1.0256 TC3 -.6037 BAU .2863
 RDE -.3363 RRA .1891 RC3 .1717 FAU .16017
 FDE .8201 FRA-2.3450 FC3-4.0634 BSP 3403
 BDE .3453 BRA 1.0429 BC3 .6276 FSP -1470

MID-COURSE EXECUTION ACCURACY

SGT 1241.1 SGR 429.3 SG3 462.1
 RRT -.6718 RRF -.7207 RTF .8709
 SGB 1313.3 R23 .1305 R13 -.8803
 SGI 1276.3 SG2 309.3 THA 166.08

ORBIT DETERMINATION ACCURACY

ST 315.6 SR 334.7 SS 324.1
 CRT -.4029 CRS .8494 CST -.8192
 LSA 503.4 MSA 250.8 SSA 20.7
 EL1 385.8 EL2 250.6 ALF 130.85

LAUNCH DATE DEC 21 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 284.595

RL 147.17 LAL .00 LOL 88.92 VL 28.730 GAL -10.73 AZL 87.39 MCA 133.50 SMA 135.68 ECC .20389 INC 2.6140 V1 30.273
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.398 GAP 1.47 AZP 91.80 TAL 235.18 TAP 8.68 RCA 108.01 APO 163.34 V2 35.016
 RC 89.783 GL 12.89 GP 11.17 ZAL 154.99 ZAP 102.25 ETS 359.97 ZAE 159.42 ETE 162.63 ZAC 33.77 ETC 168.57 CLP-102.50

PLANETOCENTRIC CONIC

C3 33.329 VHL 5.773 CLA -9.12 RAL 290.27 RAD 6568.3 VEL 12.438 PTH 2.25 VHP 3.512 DPA -11.45 RAP 300.62 ECC 1.5485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 53 2053.43 -15.36 31.53 158.27 114.08 2 29 6 1453.4 -11.98 24.48
 90.00 11 34 34 5271.17 26.98 238.29 163.79 81.05 13 2 25 4671.2 25.46 229.95
 100.00 3 11 46 1805.39 -16.58 12.71 157.68 115.24 3 41 51 1205.4 -13.04 5.70
 100.00 13 0 22 4994.44 28.30 217.68 163.54 79.94 14 23 37 4394.4 26.62 209.29
 110.00 4 9 51 1623.49 -19.80 357.19 155.97 118.45 4 36 55 1023.5 -15.85 350.30
 110.00 14 18 46 4749.11 31.84 198.22 162.70 76.84 15 37 55 4149.1 29.70 189.66

DIFFERENTIAL CORRECTIONS

TDE .0917 TRA-1.0973 TC3 -.7169 BAU .3307
 RDE -.3201 RRA .1933 RC3 .1922 FAU .15803
 FDE .7791 FRA-2.2666 FC3-4.1048 BSP 3901
 BDE .3330 BRA 1.1142 BC3 .7422 FSP -1470

MID-COURSE EXECUTION ACCURACY

SGT 1382.0 SGR 433.5 SG3 459.2
 RRT -.7126 RRF -.7552 RTF .8857
 SGB 1448.4 R23 .1333 R13 -.8933
 SGI 1417.7 SG2 296.5 THA 166.81

ORBIT DETERMINATION ACCURACY

ST 344.1 SR 323.1 SS 316.1
 CRT -.4350 CRS .8511 CST -.8371
 LSA 509.4 MSA 250.6 SSA 20.5
 EL1 400.3 EL2 250.0 ALF 139.12

LAUNCH DATE DEC 21 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 290.828

RL 147.17 LAL .00 LOL 88.92 VL 28.690 GAL -10.58 AZL 87.47 MCA 136.70 SMA 135.36 ECC .20269 INC 2.5313 V1 30.273
 RP 108.22 LAP 1.74 LOP 225.65 VP 38.357 GAP 1.86 AZP 91.84 TAL 234.39 TAP 11.09 RCA 107.92 APO 162.80 V2 35.003
 RC 92.112 GL 12.62 GP 11.68 ZAL 154.67 ZAP 106.52 ETS .97 ZAE 156.37 ETE 163.28 ZAC 32.55 ETC 169.26 CLP-106.88

PLANETOCENTRIC CONIC

C3 32.512 VHL 5.702 CLA -9.32 RAL 290.83 RAD 6568.3 VEL 12.405 PTH 2.24 VHP 3.551 DPA -11.13 RAP 299.36 ECC 1.5351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 36 2040.95 -15.01 30.78 158.40 114.29 2 32 37 1440.9 -11.61 23.76
 90.00 11 35 14 5271.14 26.98 238.29 163.95 81.05 13 3 6 4671.1 25.46 229.94
 100.00 3 15 23 1793.25 -16.22 11.98 157.81 115.46 3 45 16 1193.2 -12.66 5.00
 100.00 13 1 9 4994.07 28.29 217.66 163.70 79.93 14 24 23 4394.1 26.61 209.26
 110.00 4 13 15 1612.08 -19.43 356.51 156.09 118.69 4 40 7 1012.1 -15.45 349.65
 110.00 14 19 47 4748.02 31.82 198.14 162.86 76.80 15 38 55 4148.0 29.68 189.58

DIFFERENTIAL CORRECTIONS

TDE .1017 TRA-1.1659 TC3 -.8337 BAU .3741
 RDE -.3027 RRA .1963 RC3 .2136 FAU .15466
 FDE .7291 FRA-2.1672 FC3-4.1182 BSP 4403
 BDE .3194 BRA 1.1824 BC3 .8606 FSP -1459

MID-COURSE EXECUTION ACCURACY

SGT 1524.4 SGR 438.0 SG3 452.8
 RRT -.7489 RRF -.7877 RTF .8962
 SGB 1586.1 R23 .1394 R13 -.9026
 SGI 1560.5 SG2 283.5 THA 167.43

ORBIT DETERMINATION ACCURACY

ST 371.6 SR 310.1 SS 306.0
 CRT -.4569 CRS .8521 CST -.8490
 LSA 515.3 MSA 248.9 SSA 20.3
 EL1 416.9 EL2 245.9 ALF 145.86

LAUNCH DATE DEC 21 1965

FLIGHT TIME 100.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 297.032

RL 147.17 LAL .00 LOL 88.92 VL 28.647 GAL -10.43 AZL 87.56 MCA 139.90 SMA 135.02 ECC .20154 INC 2.4382 V1 30.273
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.312 GAP 2.24 AZP 91.87 TAL 233.53 TAP 13.43 RCA 107.81 APO 162.23 V2 34.990
 RC 94.449 GL 12.30 GP 12.25 ZAL 154.31 ZAP 110.51 ETS 2.08 ZAE 153.53 ETE 163.61 ZAC 31.57 ETC 170.12 CLP-111.01

PLANETOCENTRIC CONIC

C3 31.672 VHL 5.628 CLA -9.55 RAL 291.44 RAD 6568.3 VEL 12.371 PTH 2.23 VHP 3.602 DPA -10.71 RAP 298.36 ECC 1.5212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 56 2026.71 -14.61 29.92 158.57 114.53 2 36 43 1426.7 -11.18 22.93
 90.00 11 35 48 5272.20 26.99 238.36 164.18 81.09 13 3 41 4672.2 25.48 230.02
 100.00 3 19 35 1779.43 -15.82 11.16 157.98 115.70 3 49 14 1179.4 -12.23 4.20
 100.00 13 1 51 4994.72 28.30 217.71 163.93 79.95 14 25 5 4394.7 26.62 209.31
 110.00 4 17 9 1599.15 -19.01 355.75 156.26 118.96 4 43 48 999.1 -15.00 348.93
 110.00 14 20 46 4747.76 31.82 198.12 163.09 76.79 15 39 53 4147.8 29.67 189.56

DIFFERENTIAL CORRECTIONS

TDE .1084 TRA-1.2298 TC3 -.9526 BAU .4155
 RDE -.2847 RRA .1978 RC3 .2355 FAU .14991
 FDE .6791 FRA-2.0439 FC3-4.0978 BSP 4882
 BDE .3047 BRA 1.2456 BC3 .9813 FSP -1421

MID-COURSE EXECUTION ACCURACY

SGT 1665.5 SGR 442.7 SG3 442.3
 RRT -.7805 RRF -.8180 RTF .9033
 SGB 1723.3 R23 .1501 R13 -.9089
 SGI 1701.9 SG2 270.8 THA 167.97

ORBIT DETERMINATION ACCURACY

ST 397.9 SR 296.4 SS 294.9
 CRT -.4714 CRS .8556 CST -.8538
 LSA 521.8 MSA 245.9 SSA 20.0
 EL1 434.6 EL2 239.3 ALF 151.18

LAUNCH DATE DEC 21 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 303.207

RL 147.17 LAL .00 LOL 88.92 VL 28.601 GAL -10.28 AZL 87.67 MCA 143.10 SMA 134.66 ECC .20043 INC 2.3319 V1 30.273
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.266 GAP 2.60 AZP 91.87 TAL 232.60 TAP 15.69 RCA 107.67 APO 161.65 V2 34.377
 RC 96.794 GL 11.91 GP 12.90 ZAL 153.94 ZAP 114.22 ETS 3.30 ZAE 150.88 ETE 163.67 ZAC 30.84 ETC 171.18 CLP-114.89

PLANETOCENTRIC CONIC

C3 30.810 VHL 5.551 OLA -9.84 RAL 292.11 RAD 6568.2 VEL 12.336 PTH 2.22 VHP 3.666 DPA -10.16 RAP 297.60 ECC 1.3071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 59 2010.19 -14.14 28.94 158.78 114.79 2 41 30 1410.2 -10.68 21.97
 90.00 11 36 9 5274.06 27.02 238.55 164.46 81.18 13 4 4 4674.9 25.52 230.20
 100.00 3 24 29 1763.42 -15.34 10.21 158.19 115.97 3 53 52 1163.4 -11.73 3.28
 100.00 13 2 21 4996.85 28.33 217.86 164.22 80.03 14 25 37 4396.9 26.66 209.45
 110.00 4 21 41 1584.28 -18.51 354.88 156.46 119.26 4 48 6 984.3 -14.47 348.09
 110.00 14 21 37 4748.76 31.83 198.19 163.39 76.83 15 40 46 4148.8 29.69 189.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1093 TRA-1.2894 TC3-1.0760 BAU .4559 SGT 1806.8 SGR 448.8 SG3 430.5 ST 422.2 SR 281.0 SS 280.6
 RDE -.2652 RRA .1987 RC3 .2597 FAU .14478 RRT -.8096 RRF -.8469 RTF .9084 CRT -.4764 CRS .8547 CST -.8573
 FDE .6156 FRA-1.9164 FC3-4.0680 BSP 5378 SGB 1861.7 R23 .1637 R13 -.9135 LSA 526.7 MSA 241.2 SSA 19.8
 BDE .2869 BRA 1.3047 BC3 1.1069 FSP -1391 SGI 1843.7 SG2 258.2 THA 168.40 EL1 451.5 EL2 231.0 ALF 155.65

LAUNCH DATE DEC 21 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 309.356

RL 147.17 LAL .00 LOL 88.92 VL 28.553 GAL -10.11 AZL 87.79 MCA 146.29 SMA 134.28 ECC .19936 INC 2.2087 V1 30.273
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.218 GAP 2.95 AZP 91.84 TAL 231.61 TAP 17.90 RCA 107.51 APO 161.06 V2 34.964
 RC 99.145 GL 11.42 GP 13.67 ZAL 153.53 ZAP 117.63 ETS 4.68 ZAE 148.41 ETE 163.48 ZAC 30.35 ETC 172.48 CLP-118.51

PLANETOCENTRIC CONIC

C3 29.924 VHL 5.470 OLA -10.22 RAL 292.86 RAD 6568.2 VEL 12.300 PTH 2.22 VHP 3.741 DPA -9.45 RAP 297.07 ECC 1.4925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 59 1990.61 -13.58 27.77 159.04 115.09 2 47 9 1390.6 -10.09 20.84
 90.00 11 36 5 5279.79 27.07 238.90 164.82 81.35 13 4 5 4679.8 25.59 230.54
 100.00 3 30 15 1744.52 -14.78 9.09 158.44 116.28 3 59 20 1144.5 -11.13 2.20
 100.00 13 2 30 5001.11 28.38 218.17 164.58 80.18 14 25 51 4401.1 26.73 209.75
 110.00 4 27 0 1566.83 -17.93 353.86 156.70 119.60 4 53 7 966.8 -13.85 347.12
 110.00 14 22 15 4751.56 31.88 198.40 163.76 76.94 15 41 26 4151.6 29.75 189.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1055 TRA-1.3423 TC3-1.2021 BAU .4943 SGT 1944.9 SGR 456.2 SG3 416.2 ST 444.3 SR 264.7 SS 265.2
 RDE -.2452 RRA .1981 RC3 .2857 FAU .13880 RRT -.8347 RRF -.8737 RTF .9115 CRT -.4748 CRS .8551 CST -.8555
 FDE .5525 FRA-1.7741 FC3-4.0155 BSP 5843 SGB 1997.7 R23 .1823 R13 -.9163 LSA 531.1 MSA 235.4 SSA 19.5
 BDE .2669 BRA 1.3568 BC3 1.2356 FSP -1342 SGI 1982.5 SG2 246.5 THA 168.75 EL1 467.4 EL2 221.5 ALF 159.38

LAUNCH DATE DEC 21 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 315.478

RL 147.17 LAL .00 LOL 88.92 VL 28.502 GAL -9.94 AZL 87.54 MCA 149.48 SMA 133.89 ECC .19833 INC 2.0630 V1 30.273
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.169 GAP 3.28 AZP 91.78 TAL 230.56 TAP 20.04 RCA 107.34 APO 160.45 V2 34.951
 RC 101.502 GL 10.81 GP 14.61 ZAL 153.11 ZAP 120.75 ETS 6.26 ZAE 146.11 ETE 163.04 ZAC 30.10 ETC 174.09 CLP-121.90

PLANETOCENTRIC CONIC

C3 29.013 VHL 5.386 OLA -10.70 RAL 293.68 RAD 6568.2 VEL 12.263 PTH 2.21 VHP 3.826 DPA -8.55 RAP 296.75 ECC 1.4775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 12 1966.88 -12.89 26.37 159.34 115.43 2 53 58 1366.9 -9.36 19.47
 90.00 11 35 24 5288.04 27.15 239.49 165.27 81.63 13 3 32 4688.0 25.71 231.12
 100.00 3 37 12 1721.68 -14.08 7.75 158.75 116.64 4 5 53 1121.7 -10.39 .90
 100.00 13 2 5 5008.47 28.46 218.70 165.04 80.45 14 25 33 4408.5 26.85 210.26
 110.00 4 33 19 1545.92 -17.22 352.65 156.99 119.99 4 59 5 945.9 -13.11 345.96
 110.00 14 22 27 4757.00 31.96 198.80 164.24 77.17 15 41 44 4157.0 29.86 190.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0937 TRA-1.3889 TC3-1.3337 BAU .5316 SGT 2082.0 SGR 466.6 SG3 401.3 ST 463.9 SR 246.6 SS 246.2
 RDE -.2237 RRA .1970 RC3 .3157 FAU .13268 RRT -.8573 RRF -.8988 RTF .9137 CRT -.4633 CRS .8490 CST -.8541
 FDE .4770 FRA-1.6321 FC3-3.9590 BSP 6319 SGB 2133.7 R23 .2046 R13 -.9183 LSA 535.5 MSA 227.3 SSA 19.3
 BDE .2425 BRA 1.4028 BC3 1.3706 FSP -1299 SGI 2120.6 SG2 235.8 THA 168.99 EL1 481.3 EL2 210.6 ALF 162.77

LAUNCH DATE DEC 21 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 321.577

RL 147.17 LAL .00 LOL 88.92 VL 28.450 GAL -9.76 AZL 88.11 MCA 152.67 SMA 133.49 ECC .19734 INC 1.8872 V1 30.273
 RP 108.46 LAP .87 LOP 241.60 VP 38.118 GAP 3.60 AZP 91.68 TAL 229.46 TAP 22.13 RCA 107.15 APO 159.83 V2 34.939
 RC 103.862 GL 10.04 GP 15.76 ZAL 152.68 ZAP 123.56 ETS 8.13 ZAE 143.93 ETE 162.33 ZAC 30.08 ETC 176.07 CLP-125.06

PLANETOCENTRIC CONIC

C3 28.077 VHL 5.299 OLA -11.35 RAL 294.58 RAD 6568.1 VEL 12.225 PTH 2.20 VHP 3.923 DPA -7.40 RAP 296.62 ECC 1.4621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 5 1937.36 -12.02 24.64 159.72 115.83 3 2 22 1337.4 -8.45 17.78
 90.00 11 33 42 5301.17 27.28 240.43 165.84 82.08 13 2 3 4701.2 25.90 232.04
 100.00 3 45 42 1693.38 -13.21 6.10 159.11 117.06 4 13 56 1093.4 -9.48 359.29
 100.00 13 0 46 5020.39 28.59 219.56 165.62 80.89 14 24 26 4420.4 27.04 211.10
 110.00 4 41 0 1520.20 -16.34 351.18 157.33 120.45 5 6 20 920.2 -12.18 344.55
 110.00 14 21 57 4766.33 32.10 199.49 164.84 77.56 15 41 23 4166.3 30.05 190.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0737 TRA-1.4266 TC3-1.4701 BAU .5672 SGT 2215.6 SGR 480.2 SG3 384.6 ST 481.0 SR 227.1 SS 225.1
 RDE -.2012 RRA .1944 RC3 .3497 FAU .12602 RRT -.8760 RRF -.9217 RTF .9146 CRT -.4414 CRS .8395 CST -.8497
 FDE .3984 FRA-1.4812 FC3-3.8858 BSP 6769 SGB 2267.1 R23 .2320 R13 -.9193 LSA 534.7 MSA 217.4 SSA 19.1
 BDE .2142 BRA 1.4398 BC3 1.5111 FSP -1243 SGI 2255.6 SG2 227.6 THA 169.14 EL1 493.4 EL2 198.6 ALF 165.90

LAUNCH DATE DEC 21 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 28.395 GAL -9.58 AZL 88.33 MCA 155.86 SMA 133.08 ECC .19640 INC 1.6689 VI 30.273
 RP 108.50 LAP .68 LOP 244.79 VP 38.066 GAP 3.90 AZP 91.52 TAL 228.31 TAP 24.17 RCA 106.94 APO 159.21 V2 34.926
 RC 106.225 GL 9.01 GP 17.23 ZAL 152.23 ZAP 126.04 ETS 10.36 ZAE 141.83 ETE 161.29 ZAC 30.29 ETC 178.51 CLP-128.02

PLANETOCENTRIC CONIC
 C3 27.115 VHL 5.207 CLA -12.22 RAL 295.58 RAD 6568.1 VEL 12.186 PTH 2.19 VHP 4.032 DPA -5.92 RAP 296.63 ECC 1.4462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 22 1899.44 -10.89 22.43 160.18 116.30 3 13 2 1299.4 -7.27 15.63
 90.00 11 30 24 5321.73 27.46 241.91 166.57 82.80 12 59 6 4721.7 26.18 233.48
 100.00 3 56 28 1657.16 -12.08 4.00 159.56 117.55 4 24 5 1057.2 -8.30 357.26
 100.00 12 58 0 5039.24 28.79 220.92 166.37 81.58 14 21 59 4439.2 27.32 212.43
 110.00 4 50 36 1487.60 -15.21 349.34 157.76 120.99 5 15 24 887.6 -10.99 342.77
 110.00 14 20 20 4781.57 32.32 200.63 165.64 78.20 15 40 2 4181.6 30.35 191.96

MID-COURSE EXECUTION ACCURACY
 SGT 2348.6 SGR 499.7 SG3 367.6
 RRT -.8913 RRF -.9421 RTF .9151
 SGB 2401.1 R23 .2624 R13 -.9200
 SGI 2390.8 SG2 222.5 TMA 169.17

ORBIT DETERMINATION ACCURACY
 ST 496.2 SR 204.8 SS 199.7
 CRT -.4039 CRS .8130 CST -.8513
 LSA 535.3 MSA 202.9 SSA 19.0
 EL1 504.2 EL2 184.4 ALF 169.05

DIFFERENTIAL CORRECTIONS
 TDE .0407 TRA-1.4556 TC3-1.6148 BAU .6023
 RDE -.1763 RRA .1912 RC3 .3909 FAU .11931
 FDE .3043 FRA-1.3317 FC3-3.8094 BSP 7235
 BDE .1810 BRA 1.4681 BC3 1.6614 FSP -1193

LAUNCH DATE DEC 21 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 28.340 GAL -9.38 AZL 88.61 MCA 159.04 SMA 132.66 ECC .19551 INC 1.3890 VI 30.273
 RP 108.54 LAP .50 LOP 247.97 VP 38.014 GAP 4.19 AZP 91.30 TAL 227.11 TAP 26.15 RCA 106.72 APO 158.59 V2 34.914
 RC 108.588 GL 7.62 GP 19.14 ZAL 151.78 ZAP 128.13 ETS 13.12 ZAE 139.73 ETE 159.84 ZAC 30.76 ETC 181.58 CLP-130.81

PLANETOCENTRIC CONIC
 C3 26.129 VHL 5.112 CLA -13.43 RAL 296.71 RAD 6568.1 VEL 12.145 PTH 2.18 VHP 4.158 DPA -3.98 RAP 296.74 ECC 1.4300
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 19 1848.77 -9.34 19.51 160.79 116.85 3 27 8 1248.8 -5.67 12.76
 90.00 11 24 29 5354.04 27.71 244.24 167.56 83.94 12 53 43 4754.0 26.59 235.75
 100.00 4 10 38 1608.84 -10.55 1.25 160.16 118.13 4 37 27 1008.8 -6.71 354.57
 100.00 12 52 51 5069.04 29.07 223.10 167.38 82.69 14 17 20 4469.0 27.75 214.54
 110.00 5 3 5 1444.72 -13.69 346.94 158.31 121.63 5 27 9 844.7 -9.41 340.46
 110.00 14 16 53 4806.08 32.64 202.47 166.71 79.24 15 36 59 4206.1 30.81 193.72

MID-COURSE EXECUTION ACCURACY
 SGT 2479.5 SGR 526.6 SG3 349.2
 RRT -.9025 RRF -.9596 RTF .9151
 SGB 2534.8 R23 .2948 R13 -.9203
 SGI 2525.0 SG2 222.7 TMA 169.06

ORBIT DETERMINATION ACCURACY
 ST 512.1 SR 178.9 SS 171.0
 CRT -.3473 CRS .7536 CST -.8662
 LSA 538.6 MSA 181.7 SSA 19.3
 EL1 516.3 EL2 166.4 ALF 172.28

DIFFERENTIAL CORRECTIONS
 TDE -.0093 TRA-1.4726 TC3-1.7682 BAU .6366
 RDE -.1484 RRA .1865 RC3 .4412 FAU .11220
 FDE .1951 FRA-1.1772 FC3-3.7176 BSP 7703
 BDE .1487 BRA 1.4844 BC3 1.8224 FSP -1138

LAUNCH DATE DEC 21 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 28.283 GAL -9.18 AZL 88.99 MCA 162.22 SMA 132.23 ECC .19467 INC 1.0139 VI 30.273
 RP 108.58 LAP .31 LOP 251.15 VP 37.961 GAP 4.47 AZP 90.97 TAL 225.87 TAP 28.09 RCA 106.49 APO 157.97 V2 34.903
 RC 110.951 GL 5.66 GP 21.70 ZAL 151.30 ZAP 129.71 ETS 16.59 ZAE 137.51 ETE 157.86 ZAC 31.55 ETC 185.49 CLP-133.44

PLANETOCENTRIC CONIC
 C3 25.131 VHL 5.013 CLA -15.19 RAL 298.02 RAD 6568.0 VEL 12.104 PTH 2.17 VHP 4.312 DPA -1.38 RAP 296.89 ECC 1.4136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 18 1777.34 -7.12 15.44 161.68 117.48 3 46 55 1177.3 -3.39 8.75
 90.00 11 13 59 5406.23 28.03 248.02 168.93 85.82 12 44 5 4806.2 27.16 239.47
 100.00 4 30 22 1541.56 -8.36 357.44 161.01 118.80 4 56 4 941.6 -4.45 350.83
 100.00 12 43 35 5117.24 29.43 226.63 168.79 84.52 14 8 53 4517.2 28.36 217.99
 110.00 5 20 11 1385.51 -11.55 343.68 159.10 122.40 5 43 17 785.5 -7.20 337.30
 110.00 14 10 16 4846.05 33.11 205.49 168.24 80.97 15 31 2 4246.0 31.51 196.63

MID-COURSE EXECUTION ACCURACY
 SGT 2605.4 SGR 562.8 SG3 327.8
 RRT -.9084 RRF -.9737 RTF .9144
 SGB 2665.5 R23 .3265 R13 -.9201
 SGI 2655.5 SG2 230.9 TMA 168.81

ORBIT DETERMINATION ACCURACY
 ST 534.9 SR 147.6 SS 142.6
 CRT -.2720 CRS .6160 CST -.9107
 LSA 552.4 MSA 150.4 SSA 20.3
 EL1 536.5 EL2 141.6 ALF 175.39

DIFFERENTIAL CORRECTIONS
 TDE -.0837 TRA-1.4722 TC3-1.9287 BAU .6697
 RDE -.1158 RRA .1789 RC3 .5030 FAU .10421
 FDE .0685 FRA-1.0100 FC3-3.5900 BSP 8129
 BDE .1428 BRA 1.4830 BC3 1.9932 FSP -1066

LAUNCH DATE DEC 21 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 28.225 GAL -8.97 AZL 89.52 MCA 165.40 SMA 131.80 ECC .19388 INC .4827 VI 30.273
 RP 108.61 LAP .12 LOP 254.32 VP 37.907 GAP 4.74 AZP 90.47 TAL 224.59 TAP 29.99 RCA 106.25 APO 157.36 V2 34.892
 RC 113.313 GL 2.74 GP 25.27 ZAL 150.70 ZAP 130.56 ETS 21.10 ZAE 134.93 ETE 155.17 ZAC 32.80 ETC 190.61 CLP-135.98

PLANETOCENTRIC CONIC
 C3 24.161 VHL 4.915 CLA -17.86 RAL 299.62 RAD 6568.0 VEL 12.064 PTH 2.16 VHP 4.515 DPA 2.25 RAP 296.95 ECC 1.3976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 49 31 1668.36 -3.66 9.30 163.17 118.10 4 17 20 1068.4 .13 2.67
 90.00 10 54 32 5495.85 28.30 254.56 170.96 89.08 12 26 7 4895.8 27.88 245.92
 100.00 5 0 21 1439.79 -4.98 351.77 162.44 119.51 5 24 21 839.8 -1.01 345.23
 100.00 12 26 23 5199.64 29.81 232.73 170.92 87.70 13 53 2 4599.6 27.18 223.98
 110.00 5 45 35 1298.10 -8.32 338.97 160.39 123.27 6 7 13 698.1 -3.89 332.69
 110.00 13 57 39 4914.11 33.72 210.71 170.58 84.00 15 19 33 4314.1 32.52 201.68

MID-COURSE EXECUTION ACCURACY
 SGT 2733.2 SGR 614.8 SG3 303.4
 RRT -.9097 RRF -.9845 RTF .9140
 SGB 2801.5 R23 .3517 R13 -.9207
 SGI 2790.3 SG2 250.0 TMA 168.34

ORBIT DETERMINATION ACCURACY
 ST 586.0 SR 105.6 SS 133.3
 CRT -.2278 CRS .3098 CST -.9794
 LSA 601.0 MSA 103.3 SSA 23.5
 EL1 586.6 EL2 102.8 ALF 177.57

DIFFERENTIAL CORRECTIONS
 TDE -.0206 TRA-1.4502 TC3-2.0997 BAU .7039
 RDE -.0721 RRA .1679 RC3 .5831 FAU .09531
 FDE -.0967 FRA -.8345 FC3-3.4150 BSP 8604
 BDE .2150 BRA 1.4599 BC3 2.1791 FSP -.992

LAUNCH DATE DEC 21 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 351.738

RL 147.17 LAL .00 LOL 88.92 VL 28.166 GAL -8.76 AZL 90.34 MCA 168.58 SMA 131.37 ECC .19315 INC .3295 V1 30.273
 RP 108.64 LAP -.07 LOP 257.50 VP 37.854 GAP 5.00 AZP 89.67 TAL 223.27 TAP 31.84 RCA 106.00 APO 156.74 V2 34.881
 RC 115.673 GL -1.94 GP 30.54 ZAL 149.68 ZAP 130.18 ETS 27.05 ZAE 131.54 ETE 151.52 ZAC 34.88 ETC 197.49 CLP-138.52

PLANETOCENTRIC CONIC

C3 23.366 VHL 4.834 DLA -22.22 RAL 301.77 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 4.819 OPA 7.54 RAP 296.71 ECC 1.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 11 1475.46 2.56 358.54 166.30 118.21 5 12 46 875.5 6.31 351.87
 90.00 10 12 57 5672.38 27.82 267.44 174.16 95.51 11 47 30 5072.4 28.29 258.81
 100.00 5 53 31 1264.59 .94 342.14 165.40 119.88 6 14 35 664.6 4.91 335.60
 100.00 11 50 18 5358.48 29.66 244.52 174.33 93.90 13 19 37 4758.5 29.89 235.72
 110.00 6 28 37 1154.55 -2.90 331.40 163.01 124.08 6 47 52 554.6 1.60 325.20
 110.00 13 31 42 5041.28 34.18 220.60 174.50 89.84 14 55 43 4441.3 33.78 211.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3975 TRA-1.3854 TC3-2.2574 BAU .7366 SGT 2851.5 SGR 685.3 SG3 270.6 ST 713.8 SR 60.3 SS 186.0
 ROE -.0065 RRA .1468 RC3 .6816 FAU .08389 RRT -.9047 RRF -.9917 RTF .9134 CRT -.6433 CRS .4680 CST -.9608
 FOE -.3077 FRA -.6292 FC3-3.1081 BSP 8990 SGB 2932.7 R23 .3683 R13 -.9216 LSA 736.9 MSA 63.3 SSA 25.7
 BOE .3976 BRA 1.3932 BC3 2.3580 FSP -.882 SG1 2918.8 SG2 285.2 THA 167.61 EL1 714.8 EL2 46.1 ALF 176.88

LAUNCH DATE DEC 21 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 357.707

RL 147.17 LAL .00 LOL 88.92 VL 28.107 GAL -8.53 AZL 91.77 MCA 171.74 SMA 130.94 ECC .19247 INC 1.7715 V1 30.273
 RP 108.68 LAP -.25 LOP 260.67 VP 37.800 GAP 5.25 AZP 88.25 TAL 221.91 TAP 33.65 RCA 105.74 APO 156.14 V2 34.870
 RC 118.029 GL -10.24 GP 38.79 ZAL 146.99 ZAP 127.50 ETS 34.99 ZAE 126.27 ETE 146.77 ZAC 38.65 ETC 206.91 CLP-141.36

PLANETOCENTRIC CONIC

C3 23.381 VHL 4.835 DLA -30.04 RAL 305.20 RAD 6567.9 VEL 12.032 PTH 2.15 VHP 5.383 OPA 15.73 RAP 295.66 ECC 1.3848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.54 6 19 20 1203.89 19.77 347.26 176.74 113.08 6 39 24 603.9 22.73 339.70
 100.46 9 9 12 656.22 19.78 306.97 176.75 113.07 9 20 8 56.2 22.74 299.41
 79.54 6 19 20 1203.89 19.77 347.26 176.74 113.08 6 39 24 603.9 22.73 339.70
 100.46 9 9 12 656.22 19.78 306.97 176.75 113.07 9 20 8 56.2 22.74 299.41
 110.00 8 7 39 850.78 8.65 315.46 170.62 123.20 8 21 49 250.8 12.96 309.02
 110.00 12 20 4 5345.36 31.76 243.90 181.12 103.36 13 49 9 4745.4 33.27 235.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.7764 TRA-1.2459 TC3-2.3414 BAU .7717 SGT 2980.3 SGR 782.4 SG3 225.1 ST 1054.9 SR 147.5 SS 339.9
 ROE .1177 RRA .1032 RC3 .7826 FAU .06838 RRT -.8932 RRF -.9949 RTF .9158 CRT -.9737 CRS .9960 CST -.9593
 FOE -.5986 FRA -.3909 FC3-2.5320 BSP 9504 SGB 3081.3 R23 .3689 R13 -.9259 LSA 1113.9 MSA 96.0 SSA 8.6
 BOE .7853 BRA 1.2502 BC3 2.4688 FSP -.739 SG1 3062.2 SG2 342.4 THA 166.63 EL1 1064.6 EL2 33.3 ALF 172.24

LAUNCH DATE DEC 21 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 363.648

RL 147.17 LAL .00 LOL 88.92 VL 28.047 GAL -8.30 AZL 94.97 MCA 174.90 SMA 130.51 ECC .19183 INC 4.9716 V1 30.273
 RP 108.71 LAP -.44 LOP 263.84 VP 37.746 GAP 5.49 AZP 85.05 TAL 220.51 TAP 35.41 RCA 105.47 APO 155.54 V2 34.860
 RC 120.382 GL -26.97 GP 52.67 ZAL 137.85 ZAP 120.18 ETS 45.71 ZAE 116.60 ETE 141.94 ZAC 46.26 ETC 219.96 CLP-146.00

PLANETOCENTRIC CONIC

C3 28.136 VHL 5.304 DLA -45.62 RAL 313.39 RAD 6568.1 VEL 12.227 PTH 2.20 VHP 6.836 OPA 29.26 RAP 292.11 ECC 1.4630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.61 4 24 49 1687.13 26.98 30.70 193.50 128.29 4 52 57 1087.1 31.75 23.74
 127.39 12 9 5 5552.45 27.00 258.18 193.51 128.29 13 41 38 4952.5 31.76 251.21
 52.61 4 24 49 1687.13 26.98 30.70 193.50 128.29 4 52 57 1087.1 31.75 23.74
 127.39 12 9 5 5552.45 27.00 258.18 193.51 128.29 13 41 38 4952.5 31.76 251.21
 52.61 4 24 49 1687.13 26.98 30.70 193.50 128.29 4 52 57 1087.1 31.75 23.74
 127.39 12 9 5 5552.45 27.00 258.18 193.51 128.29 13 41 38 4952.5 31.76 251.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -1.7148 TRA -.8739 TC3-1.9791 BAU .7910 SGT 3108.1 SGR 869.1 SG3 155.3 ST 1897.1 SR 431.2 SS 611.8
 ROE .3985 RRA -.0238 RC3 .7109 FAU .04483 RRT -.8629 RRF -.9879 RTF .9272 CRT -.9710 CRS .9977 CST -.9849
 FOE -.9573 FRA -.0924 FC3-1.3793 BSP 9918 SGB 3227.3 R23 .3411 R13 -.9389 LSA 2034.7 MSA 138.0 SSA 2.1
 BOE 1.7605 BRA .8742 BC3 2.1028 FSP -.507 SG1 3199.0 SG2 426.8 THA 166.18 EL1 1942.9 EL2 100.7 ALF 167.52

LAUNCH DATE DEC 21 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 369.506

RL 147.17 LAL .00 LOL 88.92 VL 27.987 GAL -8.04 AZL 108.16 MCA 177.99 SMA 130.07 ECC .19109 INC 18.1591 V1 30.273
 RP 108.74 LAP -.63 LOP 267.01 VP 37.693 GAP 5.70 AZP 71.85 TAL 219.04 TAP 37.02 RCA 105.22 APO 154.93 V2 34.851
 RC 122.731 GL -57.63 GP 75.40 ZAL 111.82 ZAP 104.60 ETS 76.74 ZAE 95.25 ETE 158.62 ZAC 61.18 ETC 254.88 CLP-179.21

PLANETOCENTRIC CONIC

C3 104.577 VHL 10.226 DLA -67.76 RAL 358.25 RAD 6570.0 VEL 15.031 PTH 2.71 VHP 14.196 OPA 51.07 RAP 274.20 ECC 2.7211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 25.46 6 7 36 2161.65 16.49 70.75 261.29 156.75 6 43 37 1561.7 23.81 67.72
 154.54 16 24 11 5711.22 16.50 261.37 261.31 156.75 17 59 22 5111.2 23.82 258.34
 25.46 6 7 36 2161.65 16.49 70.75 261.29 156.75 6 43 37 1561.7 23.81 67.72
 154.54 16 24 11 5711.22 16.50 261.37 261.31 156.75 17 59 22 5111.2 23.82 258.34
 25.46 6 7 36 2161.65 16.49 70.75 261.29 156.75 6 43 37 1561.7 23.81 67.72
 154.54 16 24 11 5711.22 16.50 261.37 261.31 156.75 17 59 22 5111.2 23.82 258.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -5.0437 TRA 1.0495 TC3 -.3770 BAU .5285 SGT 3315.7 SGR 554.2 SG3 71.4 ST 2864.2 SR 522.9 SS 793.5
 ROE -.9281 RRA -.1236 RC3 .0279 FAU .01290 RRT .6211 RRF .4929 RTF .9880 CRT .9641 CRS -.9448 CST -.9979
 FOE -1.1245 FRA .3300 FC3 -.1068 BSP 9839 SGB 3361.7 R23 -.1675 R13 .9858 LSA 3014.1 MSA 147.9 SSA .6
 BOE 5.1284 BRA 1.0568 BC3 .3780 FSP -.218 SG1 3333.9 SG2 431.9 THA 6.03 EL1 2908.3 EL2 136.8 ALF 10.00

LAUNCH DATE DEC 21 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

RL 147.17 LAL .00 LOL 88.92 VL 27.927 GAL -7.87 AZL 57.15 HCA 181.49 SMA 129.65 ECC .19152 INC32.8552 VI 30.273
 RP 108.76 LAP -.81 LOP 270.17 VP 37.640 GAP 6.03 A7P 122.85 TAL 217.77 TAP 39.27 RCA 104.82 APO 154.47 V2 34.842
 RC 125.075 GL 62.08 GP -76.51 ZAL 102.61 ZAP 101.53 ETS 225.55 ZAE 82.64 ETE 147.58 ZAC 92.07 ETC 51.91 CLP 149.02

PLANETOCENTRIC CONIC

C3 288.465 VHL 16.984 DLA 46.11 RAL 306.25 RAD 6571.7 VEL 20.243 PTH 3.15 VHP 18.984 CPA -73.98 RAP 129.42 ECC 5.7474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.95 15 52 4 4823.24 -4.56 223.69 211.87 44.06 17 12 28 4223.2 -10.28 218.46
 128.05 23 40 56 3388.71 -4.54 112.13 211.86 44.06 24 37 25 2788.7 -10.26 106.90
 51.95 15 52 4 4823.24 -4.56 223.69 211.87 44.06 17 12 28 4223.2 -10.28 218.46
 128.05 23 40 56 3388.71 -4.54 112.13 211.86 44.06 24 37 25 2788.7 -10.26 106.90
 51.95 15 52 4 4823.24 -4.56 223.69 211.87 44.06 17 12 28 4223.2 -10.28 218.46
 128.05 23 40 56 3388.71 -4.54 112.13 211.86 44.06 24 37 25 2788.7 -10.26 106.90

DIFFERENTIAL CORRECTIONS

TDE 4.7117 TRA -1.7786 TC3 -.0152 BAU .2248
 RDE -7.0491 RRA 3.8110 RC3 -.0563 FAU .00030
 FDE 1.7908 FRA -.6110 FC3 -.0009 BSP 10971
 BDE 8.4788 BRA 3.8897 BC3 .0583 FSP -201

MID-COURSE EXECUTION ACCURACY

SGT 1634.8 SGR 3021.7 SG3 58.2
 RRT -.9054 RRF -.9768 RTF .9748
 SGB 3435.6 R23 -.1207 R13 -.9924
 SG1 3379.1 SG2 620.8 TMA 117.09

ORBIT DETERMINATION ACCURACY

ST 1593.5 SR 2442.2 SS 1001.6
 CRT -.9875 CRS .9965 CST -.9972
 LSA 3075.9 MSA 213.9 SSA .8
 EL1 2908.5 EL2 211.2 ALF 122.99

LAUNCH DATE DEC 21 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

RL 147.17 LAL .00 LOL 88.92 VL 27.866 GAL -7.59 AZL 77.35 MCA 184.53 SMA 129.22 ECC .19081 INC12.6533 VI 30.273
 RP 108.79 LAP -.99 LOP 273.34 VP 37.587 GAP 6.21 A7P 102.62 TAL 216.22 TAP 40.75 RCA 104.56 APO 153.87 V2 34.834
 RC 127.413 GL 51.16 GP -54.01 ZAL 117.32 ZAP 121.44 ETS 298.30 ZAE 109.32 ETE 209.84 ZAC 74.61 ETC 121.25 CLP-152.57

PLANETOCENTRIC CONIC

C3 60.354 VHL 7.769 DLA 31.93 RAL 299.57 RAD 6569.1 VEL 13.480 PTH 2.46 VHP 7.518 CPA -73.67 RAP 334.39 ECC 1.9933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.60 17 19 41 4195.93 -13.61 179.19 186.72 60.84 18 29 37 3595.9 -17.40 172.29
 105.40 21 19 59 3425.76 -13.60 122.16 186.70 60.83 22 17 5 2825.8 -17.38 115.26
 74.60 17 19 41 4195.93 -13.61 179.19 186.72 60.84 18 29 37 3595.9 -17.40 172.29
 105.40 21 19 59 3425.76 -13.60 122.16 186.70 60.83 22 17 5 2825.8 -17.38 115.26
 110.00 23 22 58 3044.88 -23.90 98.50 192.28 64.80 24 13 43 2444.9 -27.09 90.79
 110.00 20 15 52 3624.80 -3.74 131.29 180.59 56.00 21 16 17 3024.8 -8.18 125.01

DIFFERENTIAL CORRECTIONS

TDE 3.0578 TRA -2.7367 TC3 -.8721 BAU .7091
 RDE .3228 RRA .2496 RC3 -.1086 FAU .03580
 FDE 1.5905 FRA -.7419 FC3 -.5135 BSP 10978
 BDE 3.0748 BRA 2.7481 BC3 .8788 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 3546.4 SGR 363.6 SG3 134.6
 RRT .1937 RRF .4837 RTF .9517
 SGB 3565.0 R23 .3033 R13 .9524
 SG1 3547.1 SG2 356.6 TMA 1.15

ORBIT DETERMINATION ACCURACY

ST 2365.7 SR 246.9 SS 772.4
 CRT .8402 CRS -.9089 CST -.9898
 LSA 2495.2 MSA 167.4 SSA .9
 EL1 2374.8 EL2 133.3 ALF 5.03

LAUNCH DATE DEC 21 1965

FLIGHT TIME 130.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

RL 147.17 LAL .00 LOL 88.92 VL 27.806 GAL -7.33 AZL 81.21 MCA 187.68 SMA 128.80 ECC .19046 INC 8.7893 VI 30.273
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.535 GAP 6.42 A7P 98.71 TAL 214.70 TAP 42.38 RCA 104.27 APO 153.33 V2 34.826
 RC 129.747 GL 42.69 GP -37.57 ZAL 123.49 ZAP 133.61 ETS 310.02 ZAE 120.12 ETE 207.58 ZAC 64.34 ETC 131.61 CLP-150.48

PLANETOCENTRIC CONIC

C3 38.629 VHL 6.215 DLA 23.51 RAL 301.20 RAD 6568.5 VEL 12.649 PTH 2.30 VHP 5.890 CPA -57.42 RAP 323.08 ECC 1.6357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 50 35 3218.47 -25.84 112.04 183.38 77.99 22 44 14 2618.5 -27.23 103.65
 90.00 17 2 7 4180.68 -.59 170.90 173.96 61.69 18 11 48 3580.7 -4.37 164.26
 100.00 23 30 31 2896.27 -28.08 88.84 183.89 79.30 24 18 47 2296.3 -29.27 80.23
 100.00 18 4 53 3978.11 1.41 154.91 172.85 60.14 19 11 11 3378.1 -2.57 148.38
 110.00 1 19 59 2566.07 -33.44 64.76 184.89 82.45 2 2 45 1966.1 -34.12 55.58
 110.00 18 35 49 3881.07 6.03 144.69 169.98 56.29 19 40 30 3281.1 1.56 138.46

DIFFERENTIAL CORRECTIONS

TDE 2.0668 TRA -2.3928 TC3-1.5378 BAU .7990
 RDE .2893 RRA .0825 RC3 -.1702 FAU .05516
 FDE 1.5778 FRA -.7663 FC3-1.2362 BSP 11328
 BDE 2.0869 BRA 2.3942 BC3 1.5471 FSP -658

MID-COURSE EXECUTION ACCURACY

SGT 3615.3 SGR 350.4 SG3 194.5
 RRT .5629 RRF .8228 RTF .9289
 SGB 3632.3 R23 .3588 R13 .9305
 SG1 3620.7 SG2 289.1 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 2038.2 SR 267.9 SS 749.9
 CRT .8983 CRS -.9688 CST -.9792
 LSA 2180.7 MSA 181.3 SSA 2.0
 EL1 2052.4 EL2 116.9 ALF 6.76

LAUNCH DATE DEC 21 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

RL 147.17 LAL .00 LOL 88.92 VL 27.745 GAL -7.06 AZL 82.83 MCA 190.83 SMA 128.38 ECC .19024 INC 7.1670 VI 30.273
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.484 GAP 6.63 A7P 97.04 TAL 213.16 TAP 44.00 RCA 103.95 APO 152.80 V2 34.819
 RC 132.074 GL 37.84 GP -27.93 ZAL 126.01 ZAP 140.62 ETS 317.35 ZAE 125.05 ETE 202.79 ZAC 59.44 ETC 138.09 CLP-151.03

PLANETOCENTRIC CONIC

C3 31.361 VHL 5.600 DLA 18.97 RAL 303.07 RAD 6568.2 VEL 12.359 PTH 2.23 VHP 5.439 CPA -47.62 RAP 321.01 ECC 1.5161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 54 46 2960.22 -28.17 93.53 179.89 86.95 23 44 6 2360.2 -28.29 84.87
 90.00 16 12 52 4333.74 4.34 179.45 170.80 61.99 17 25 6 3733.7 .56 172.81
 100.00 0 31 39 2660.44 -29.84 71.56 179.97 88.20 1 16 0 2060.4 -29.77 62.76
 100.00 17 22 36 4108.74 5.82 162.10 169.99 60.63 18 31 5 3508.7 1.86 155.55
 110.00 2 5 6 2368.10 -34.15 49.37 179.99 91.51 2 44 34 1768.1 -33.57 40.18
 110.00 18 5 38 3973.85 9.50 149.63 167.74 57.01 19 11 52 3373.9 5.09 143.31

DIFFERENTIAL CORRECTIONS

TDE 1.6870 TRA -2.2175 TC3-1.9914 BAU .8370
 RDE .2129 RRA .0684 RC3 -.1387 FAU .06324
 FDE 1.4681 FRA -.6977 FC3-1.7457 BSP 11551
 BDE 1.7004 BRA 2.2186 BC3 1.9963 FSP -743

MID-COURSE EXECUTION ACCURACY

SGT 3702.6 SGR 277.5 SG3 222.8
 RRT .5303 RRF .8035 RTF .9180
 SGB 3713.0 R23 .3712 R13 .9190
 SG1 3705.5 SG2 235.1 TMA 2.29

ORBIT DETERMINATION ACCURACY

ST 1871.3 SR 219.0 SS 714.3
 CRT .8792 CRS -.9685 CST -.9701
 LSA 2005.9 MSA 189.8 SSA 3.3
 EL1 1881.2 EL2 103.8 ALF 5.89

LAUNCH DATE DEC 21 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 395.185

RL 147.17 LAL .00 LOL 88.92 VL 27.685 GAL -6.78 AZL 83.73 MCA 193.99 SMA 127.96 ECC .19013 INC 6.2714 V1 30.273
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.433 GAP 6.84 A7P 96.09 TAL 211.60 TAP 45.60 RCA 103.63 APO 152.29 V2 34.812
 RC 134.395 GL 34.84 GP -21.90 ZAL 126.85 ZAP 145.06 ETS 322.69 ZAE 127.44 ETE 198.77 ZAC 57.33 ETC 142.91 CLP-152.08

PLANETOCENTRIC CONIC

C3 27.636 VML 5.257 DLA 16.34 RAL 304.90 RAD 6568.1 VEL 12.207 PTH 2.19 VHP 5.298 DPA -41.29 RAP 320.94 ECC 1.4548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 28 36 2827.72 -28.26 83.85 178.13 91.80 24 15 43 2227.7 -27.72 75.23
 90.00 15 53 35 4402.93 6.54 183.35 170.15 62.39 17 6 58 3802.9 2.79 176.67
 100.00 1 3 2 2535.82 -29.75 62.31 178.06 93.07 1 45 18 1935.8 -29.01 53.58
 100.00 17 5 45 4170.06 7.85 165.52 169.44 61.06 18 15 15 3570.1 3.93 158.93
 110.00 2 31 36 2258.75 -33.63 40.88 177.68 96.51 3 9 14 1658.8 -32.37 31.88
 110.00 17 53 41 4019.90 11.20 152.11 167.42 57.49 19 0 41 3419.9 6.83 145.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4909 TRA-2.1073 TC3-2.3469 BAU .8677 SGT 3802.3 SGR 222.3 SG3 234.4 ST 1778.1 SR 188.5 SS 680.2
 RDE .1717 RRA .0660 RC3 -.0893 FAU .06596 RRT .4215 RRF .7082 RTF .9118 CRT .8598 CRS -.9661 CST -.9623
 FDE 1.3487 FRA -.6090 FC3-2.0662 BSP 11914 SGB 3808.8 R23 .3559 R13 .9123 LSA 1903.0 MSA 195.7 SSA 4.7
 BDE 1.5008 BRA 2.1083 BC3 2.3486 FSP -782 SG1 3803.4 SG2 201.6 THA 1.42 EL1 1785.5 EL2 95.9 ALF 5.22

LAUNCH DATE DEC 21 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 405.046

RL 147.17 LAL .00 LOL 88.92 VL 27.625 GAL -6.50 AZL 84.30 MCA 197.16 SMA 127.55 ECC .19012 INC 5.7010 V1 30.273
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.383 GAP 7.04 A7P 95.45 TAL 210.02 TAP 47.18 RCA 103.30 APO 151.80 V2 34.806
 RC 136.709 GL 32.85 GP -17.86 ZAL 126.79 ZAP 148.20 ETS 326.68 ZAE 128.67 ETE 195.67 ZAC 56.70 ETC 146.62 CLP-153.24

PLANETOCENTRIC CONIC

C3 25.260 VML 5.026 DLA 14.78 RAL 306.69 RAD 6568.0 VEL 12.109 PTH 2.17 VHP 5.273 DPA -36.87 RAP 321.68 ECC 1.4157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 50 20 2748.92 -27.96 78.10 177.51 94.66 24 36 9 2148.9 -27.02 69.56
 90.00 15 46 11 4437.17 7.62 185.29 170.38 62.64 17 0 9 3837.2 3.89 178.59
 100.00 1 23 34 2460.90 -29.35 56.77 177.36 95.95 2 4 35 1860.9 -28.21 48.15
 100.00 16 59 34 4200.42 8.85 167.22 169.72 61.33 18 9 34 3600.4 4.95 160.60
 110.00 2 49 37 2191.69 -33.00 35.75 176.79 99.48 3 26 8 1591.7 -31.34 26.92
 110.00 17 50 1 4042.39 12.02 153.34 167.82 57.76 18 57 23 3442.4 7.68 146.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3795 TRA-2.0206 TC3-2.6487 BAU .8946 SGT 3903.5 SGR 192.5 SG3 237.8 ST 1729.3 SR 174.2 SS 654.1
 RDE .1516 RRA .0631 RC3 -.0407 FAU .06606 RRT .2709 RRF .5543 RTF .9074 CRT .8493 CRS -.9666 CST -.9558
 FDE 1.2478 FRA -.5168 FC3-2.2640 BSP 12264 SGB 3908.2 R23 .3199 R13 .9076 LSA 1846.2 MSA 200.2 SSA 6.0
 BDE 1.3878 BRA 2.0215 BC3 2.6490 FSP -792 SG1 3903.8 SG2 185.3 THA .77 EL1 1735.6 EL2 91.6 ALF 4.90

LAUNCH DATE DEC 21 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 410.897

RL 147.17 LAL .00 LOL 88.92 VL 27.565 GAL -6.20 AZL 84.70 MCA 200.32 SMA 127.15 ECC .19021 INC 5.3040 V1 30.273
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.334 GAP 7.24 A7P 94.98 TAL 208.42 TAP 48.74 RCA 102.96 APO 151.34 V2 34.801
 RC 139.015 GL 31.48 GP -15.00 ZAL 126.17 ZAP 150.61 ETS 329.73 ZAE 129.32 ETE 193.30 ZAC 56.91 ETC 149.56 CLP-154.42

PLANETOCENTRIC CONIC

C3 23.536 VML 4.851 DLA 13.87 RAL 308.50 RAD 6568.0 VEL 12.038 PTH 2.15 VHP 5.299 DPA -33.57 RAP 322.85 ECC 1.3873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 9 39 2699.42 -27.64 74.52 177.58 96.43 0 54 39 2099.4 -26.46 66.05
 90.00 15 45 13 4451.96 8.08 186.13 171.04 62.77 16 59 23 3852.0 4.37 179.42
 100.00 1 38 19 2413.47 -28.96 53.30 177.39 97.74 2 18 33 1813.5 -27.59 44.77
 100.00 16 59 14 4213.14 9.26 167.94 170.41 61.45 18 9 27 3613.1 5.38 161.30
 110.00 3 2 59 2148.54 -32.47 32.50 176.71 101.34 3 38 48 1548.5 -30.56 23.80
 110.00 17 51 3 4050.83 12.33 153.80 168.58 57.86 18 58 34 3450.8 7.99 147.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3138 TRA-1.9431 TC3-2.9221 BAU .9195 SGT 4004.2 SGR 182.8 SG3 237.2 ST 1708.1 SR 169.8 SS 635.0
 RDE .1427 RRA .0584 RC3 .0026 FAU .06493 RRT .1179 RRF .3766 RTF .9040 CRT .8491 CRS -.9704 CST -.9507
 FDE 1.1655 FRA -.4279 FC3-2.3882 BSP 12617 SGB 4008.4 R23 .2717 R13 .9040 LSA 1818.8 MSA 203.6 SSA 7.3
 BDE 1.3215 BRA 1.9440 BC3 2.9221 FSP -790 SG1 4004.3 SG2 181.6 THA .31 EL1 1714.2 EL2 89.4 ALF 4.84

LAUNCH DATE DEC 21 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 416.737

RL 147.17 LAL .00 LOL 88.92 VL 27.505 GAL -5.90 AZL 84.99 MCA 203.48 SMA 126.75 ECC .19041 INC 5.0100 V1 30.273
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.286 GAP 7.44 A7P 94.60 TAL 206.80 TAP 50.28 RCA 102.62 APO 150.89 V2 34.797
 RC 141.312 GL 30.48 GP -12.88 ZAL 125.19 ZAP 152.59 ETS 332.10 ZAE 129.67 ETE 191.47 ZAC 57.65 ETC 151.95 CLP-155.59

PLANETOCENTRIC CONIC

C3 22.182 VML 4.710 DLA 13.38 RAL 310.34 RAD 6567.9 VEL 11.982 PTH 2.14 VHP 5.352 DPA -30.96 RAP 324.26 ECC 1.3651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 21 16 2668.15 -27.38 72.27 178.11 97.53 1 5 44 2068.1 -26.05 63.85
 90.00 15 48 18 4454.39 8.15 186.27 171.96 62.79 17 2 32 3854.4 4.44 179.56
 100.00 1 49 36 2383.26 -28.67 51.10 177.90 98.86 2 29 20 1783.3 -27.14 42.63
 100.00 17 2 39 4214.51 9.31 168.02 171.35 61.46 18 12 53 3614.5 5.42 161.38
 110.00 3 13 34 2120.52 -32.07 30.41 177.15 102.52 3 48 55 1520.5 -30.02 21.80
 110.00 17 55 10 4050.01 12.30 153.76 169.56 57.85 19 2 40 3450.0 7.96 147.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2751 TRA-1.8695 TC3-3.1820 BAU .9437 SGT 4105.5 SGR 186.0 SG3 234.7 ST 1704.8 SR 171.2 SS 620.7
 RDE .1399 RRA .0519 RC3 .0404 FAU .06329 RRT -.0025 RRF .2182 RTF .9015 CRT .8569 CRS -.9761 CST -.9470
 FDE 1.0968 FRA -.3463 FC3-2.4701 BSP 12994 SGB 4109.7 R23 -.2205 R13 -.9015 LSA 1810.7 MSA 205.6 SSA 8.6
 BDE 1.2828 BRA 1.8702 BC3 3.1823 FSP -786 SG1 4105.5 SG2 186.0 THA 179.99 EL1 1711.1 EL2 88.0 ALF 4.93

LAUNCH DATE DEC 21 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 422.587

RL 147.17 LAL .00 LOL 88.92 VL 27.446 GAL -5.59 AZL 85.22 HCA 206.64 SMA 126.36 ECC .19068 INC 4.7824 V1 30.273
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.239 GAP 7.63 ATP 94.28 TAL 205.14 TAP 51.78 RCA 102.27 APO 150.45 V2 34.793
 RC 143.598 GL 29.76 GP -11.26 ZAL 123.90 ZAP 154.28 ETS 333.97 ZAE 129.88 ETE 190.04 ZAC 58.76 ETC 153.93 CLP-156.72

PLANETOCENTRIC CONIC

C3 21.049 VHL 4.588 DLA 13.21 RAL 312.26 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 5.419 DPA -28.80 RAP 325.87 ECC 1.3464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 30 21 2649.78 -27.21 70.95 178.99 98.17 1 14 31 2049.8 -25.80 62.57
 90.00 15 54 29 4447.47 7.94 185.88 173.09 62.73 17 8 37 3847.5 4.22 179.17
 100.00 1 58 35 2365.24 -28.47 49.80 178.77 99.52 2 38 0 1765.2 -26.86 41.37
 100.00 17 8 57 4207.24 9.07 167.61 172.48 61.39 18 19 4 3607.2 5.18 160.98
 110.00 3 22 18 2103.25 -31.81 29.13 177.99 103.23 3 57 22 1503.2 -29.66 20.58
 110.00 18 1 42 4042.00 12.01 153.32 170.73 57.75 19 9 4 3442.0 7.66 146.91

DIFFERENTIAL CORRECTIONS

TDE 1.4511 TRA-1.6010 TC3-3.0697 BAU .8643
 RDE .1506 RRA .0563 RC3 .0971 FAU .04946
 FDE 1.2762 FRA -.0129 FC3-2.0343 BSP 8736
 BDE 1.4589 BRA 1.6020 BC3 3.0713 FSP -264

MID-COURSE EXECUTION ACCURACY

SGT 3928.9 SGR 220.3 SG3 212.1
 RRT -.0675 RRF .2447 RTF .8482
 SGB 3935.0 R23 -.3028 R13 -.8482
 SG1 3928.9 SG2 219.8 THA 179.78

ORBIT DETERMINATION ACCURACY

ST 1916.0 SR 189.3 SS 746.7
 CRT .9021 CRS -.9919 CST -.9478
 LSA 2051.6 MSA 235.1 SSA 8.1
 EL1 1923.6 EL2 81.4 ALF 5.10

LAUNCH DATE DEC 21 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 428.586

RL 147.17 LAL .00 LOL 88.92 VL 27.387 GAL -5.28 AZL 85.40 HCA 209.80 SMA 125.97 ECC .19115 INC 4.6001 V1 30.273
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.192 GAP 7.83 ATP 93.99 TAL 203.50 TAP 53.30 RCA 101.89 APO 150.05 V2 34.790
 RC 145.874 GL 29.19 GP -9.98 ZAL 122.42 ZAP 155.80 ETS 335.45 ZAE 129.97 ETE 188.87 ZAC 60.08 ETC 155.60 CLP-157.84

PLANETOCENTRIC CONIC

C3 20.109 VHL 4.484 DLA 13.24 RAL 314.21 RAD 6567.8 VEL 11.895 PTH 2.11 VHP 5.500 DPA -26.95 RAP 327.56 ECC 1.3309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 54 2639.74 -27.11 70.23 180.12 98.52 1 21 54 2039.7 -25.65 61.87
 90.00 16 2 29 4435.65 7.57 185.20 174.37 62.63 17 16 25 3835.6 3.84 178.50
 100.00 2 6 9 2355.15 -28.35 49.07 179.89 99.89 2 45 24 1755.1 -26.70 40.66
 100.00 17 16 55 4195.47 8.68 166.95 173.77 61.28 18 26 51 3595.5 4.79 160.33
 110.00 3 29 55 2093.04 -31.65 28.38 179.10 103.65 4 4 48 1493.0 -29.45 19.86
 110.00 18 9 39 4030.35 11.58 152.68 172.04 57.61 19 16 49 3430.3 7.23 146.30

DIFFERENTIAL CORRECTIONS

TDE 1.2713 TRA-1.6958 TC3-3.6387 BAU .9786
 RDE .1444 RRA .0369 RC3 .1050 FAU .05801
 FDE 1.0180 FRA -.1704 FC3-2.4974 BSP 13248
 BDE 1.2794 BRA 1.6962 BC3 3.6402 FSP -716

MID-COURSE EXECUTION ACCURACY

SGT 4271.1 SGR 212.8 SG3 224.6
 RRT -.1271 RRF .0328 RTF .8934
 SGB 4276.4 R23 -.1479 R13 -.8933
 SG1 4271.2 SG2 211.1 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 1758.9 SR 185.1 SS 619.7
 CRT .8899 CRS -.9893 CST -.9434
 LSA 1862.3 MSA 209.8 SSA 10.9
 EL1 1766.6 EL2 84.1 ALF 5.36

LAUNCH DATE DEC 21 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 434.193

RL 147.17 LAL .00 LOL 88.92 VL 27.329 GAL -4.95 AZL 85.55 HCA 212.96 SMA 125.59 ECC .19171 INC 4.4497 V1 30.273
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.147 GAP 8.03 ATP 93.74 TAL 201.82 TAP 54.78 RCA 101.52 APO 149.67 V2 34.787
 RC 148.138 GL 28.75 GP -8.95 ZAL 120.74 ZAP 157.17 ETS 336.65 ZAE 130.02 ETE 187.93 ZAC 61.60 ETC 157.03 CLP-158.91

PLANETOCENTRIC CONIC

C3 19.283 VHL 4.391 DLA 13.46 RAL 316.25 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 5.587 DPA -25.31 RAP 329.36 ECC 1.3173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 10 2637.23 -27.08 70.05 181.50 98.60 1 28 7 2037.2 -25.61 61.69
 90.00 16 12 31 4418.24 7.02 184.22 175.83 62.50 17 26 9 3818.2 3.29 177.53
 100.00 2 12 33 2352.18 -28.32 48.86 181.27 99.99 2 51 46 1752.2 -26.65 40.46
 100.00 17 26 49 4178.53 8.13 165.99 175.23 61.14 18 36 27 3578.5 4.22 159.39
 110.00 3 36 38 2089.11 -31.58 28.09 180.48 103.81 4 11 27 1489.1 -29.36 19.58
 110.00 18 19 14 4014.37 11.00 151.81 173.50 57.43 19 26 8 3414.4 6.62 145.45

DIFFERENTIAL CORRECTIONS

TDE 1.2722 TRA-1.6177 TC3-3.8902 BAU 1.0034
 RDE .1482 RRA .0274 RC3 .1301 FAU .05620
 FDE .9719 FRA -.1093 FC3-2.5231 BSP 13737
 BDE 1.2808 BRA 1.6179 BC3 3.8923 FSP -721

MID-COURSE EXECUTION ACCURACY

SGT 4374.7 SGR 227.6 SG3 220.9
 RRT -.1498 RRF -.0228 RTF .8933
 SGB 4380.6 R23 -.1127 R13 -.8933
 SG1 4374.8 SG2 225.0 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 1785.9 SR 193.7 SS 613.3
 CRT .9060 CRS -.9934 CST -.9432
 LSA 1886.8 MSA 207.7 SSA 12.1
 EL1 1794.6 EL2 81.6 ALF 5.62

LAUNCH DATE DEC 21 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 439.991

RL 147.17 LAL .00 LOL 88.92 VL 27.271 GAL -4.62 AZL 85.68 HCA 216.12 SMA 125.22 ECC .19239 INC 4.3231 V1 30.273
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.103 GAP 8.22 ATP 93.49 TAL 200.13 TAP 56.25 RCA 101.13 APO 149.31 V2 34.786
 RC 150.390 GL 28.40 GP -8.10 ZAL 118.88 ZAP 158.44 ETS 337.62 ZAE 130.04 ETE 187.15 ZAC 63.25 ETC 158.27 CLP-159.96

PLANETOCENTRIC CONIC

C3 18.560 VHL 4.308 DLA 13.81 RAL 318.38 RAD 6567.8 VEL 11.830 PTH 2.10 VHP 5.679 DPA -23.82 RAP 331.23 ECC 1.3054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 33 2640.61 -27.12 70.30 183.11 98.49 1 33 33 2040.6 -25.66 61.93
 90.00 16 24 10 4396.85 6.35 183.01 177.45 62.35 17 37 27 3796.9 2.60 176.33
 100.00 2 18 11 2354.79 -28.35 49.05 182.88 99.90 2 57 25 1754.8 -26.69 40.64
 100.00 17 38 13 4157.91 7.45 164.84 176.85 60.97 18 47 31 3557.9 3.52 158.26
 110.00 3 42 46 2090.10 -31.60 28.16 182.10 103.77 4 17 36 1490.1 -29.38 19.65
 110.00 18 30 7 3995.36 10.30 150.78 175.13 57.22 19 36 43 3395.4 5.91 144.45

DIFFERENTIAL CORRECTIONS

TDE 1.2903 TRA-1.5256 TC3-4.1216 BAU 1.0234
 RDE .1531 RRA .0180 RC3 .1528 FAU .05390
 FDE .9409 FRA -.0418 FC3-2.5141 BSP 14031
 BDE 1.2993 BRA 1.5257 BC3 4.1244 FSP -705

MID-COURSE EXECUTION ACCURACY

SGT 4463.3 SGR 243.7 SG3 216.2
 RRT -.1560 RRF -.0523 RTF .8917
 SGB 4470.0 R23 -.0883 R13 -.8917
 SG1 4463.5 SG2 240.7 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 1830.0 SR 203.7 SS 614.9
 CRT .9234 CRS -.9962 CST -.9441
 LSA 1930.3 MSA 205.7 SSA 13.3
 EL1 1839.7 EL2 77.8 ALF 5.88

LAUNCH DATE DEC 21 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 20 1966

MELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 27.214 GAL -4.27 AZL 85.79 HCA 219.29 SMA 124.85 ECC .19322 INC 4.2142 V1 30.273
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.060 GAP 8.42 AZP 93.26 TAL 198.42 TAP 57.70 RCA 100.73 APO 148.97 V2 34.785
 RC 152.629 GL 28.10 GP -7.40 ZAL 116.86 ZAP 159.63 ETS 338.39 ZAE 130.06 ETE 186.51 ZAC 65.02 ETC 159.36 CLP-160.97

PLANETOCENTRIC CONIC
 C3 17.926 VHL 4.234 DLA 14.29 RAL 320.62 RAD 6567.7 VEL 11.803 PTH 2.09 VMP 5.777 DPA -22.44 RAP 333.15 ECC 1.2950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 15 2649.03 -27.20 70.90 184.92 98.20 1 38 24 2049.0 -25.78 62.51
 90.00 16 37 16 4372.20 5.57 181.61 179.24 62.19 17 50 8 3772.2 1.80 174.96
 100.00 2 23 12 2362.15 -28.43 49.58 184.70 99.63 3 2 34 1762.1 -26.81 41.15
 100.00 17 51 0 4134.31 6.67 163.53 178.64 60.79 18 59 54 3534.3 2.72 156.96
 110.00 3 48 30 2095.28 -31.68 28.54 183.93 103.56 4 23 25 1495.3 -29.50 20.02
 110.00 18 42 12 3973.94 9.51 149.63 176.91 57.01 19 48 26 3373.9 5.10 143.32

MID-COURSE EXECUTION ACCURACY
 SGT 4549.7 SGR 259.5 SG3 211.5
 RRT -.1520 RRF -.0682 RTF .8906
 SGB 4557.1 R23 -.0684 R13 -.8906
 SGI 4549.8 SG2 256.5 TMA 179.50

ORBIT DETERMINATION ACCURACY
 ST 1882.0 SR 214.3 SS 618.1
 CRT .9397 CRS -.9974 CST -.9458
 LSA 1982.1 MSA 202.5 SSA 14.4
 EL1 1892.8 EL2 72.8 ALF 6.12

DIFFERENTIAL CORRECTIONS
 TOE 1.3162 TRA-1.4270 TC3-4.3481 BAU 1.0429
 RDE .1583 RRA .0083 RC3 .1726 FAU .05164
 FDE .9139 FRA .0219 FC3-2.4939 BSP 14322
 BDE 1.3257 BRA 1.4270 BC3 4.3515 FSP -690

LAUNCH DATE DEC 21 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 22 1966

MELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 27.157 GAL -3.92 AZL 85.88 HCA 222.45 SMA 124.49 ECC .19419 INC 4.1191 V1 30.273
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.018 GAP 8.62 AZP 93.04 TAL 196.69 TAP 59.14 RCA 100.32 APO 148.66 V2 34.784
 RC 154.855 GL 27.83 GP -6.81 ZAL 114.69 ZAP 160.74 ETS 339.00 ZAE 130.07 ETE 185.96 ZAC 66.87 ETC 160.32 CLP-161.95

PLANETOCENTRIC CONIC
 C3 17.375 VHL 4.168 DLA 14.85 RAL 322.95 RAD 6567.7 VEL 11.780 PTH 2.08 VMP 5.878 DPA -21.13 RAP 335.12 ECC 1.2859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 26 2661.91 -27.32 71.82 186.95 97.75 1 42 48 2061.9 -25.97 63.41
 90.00 16 51 44 4344.80 4.70 180.07 181.21 62.04 18 4 9 3744.8 .92 173.43
 100.00 2 27 48 2373.71 -28.56 50.41 186.74 99.21 3 7 22 1773.7 -26.99 41.96
 100.00 18 5 3 4108.23 5.80 162.08 180.61 60.62 19 13 31 3508.2 1.84 155.52
 110.00 3 53 57 2104.14 -31.82 29.19 185.99 103.20 4 29 1 1504.1 -29.68 20.64
 110.00 18 55 23 3950.57 8.64 148.38 178.87 56.80 20 1 14 3350.6 4.21 142.09

MID-COURSE EXECUTION ACCURACY
 SGT 4634.0 SGR 275.0 SG3 206.8
 RRT -.1414 RRF -.0745 RTF .8898
 SGB 4642.2 R23 -.0522 R13 -.8898
 SGI 4634.2 SG2 272.2 TMA 179.52

ORBIT DETERMINATION ACCURACY
 ST 1941.3 SR 225.1 SS 622.8
 CRT .9545 CRS -.9970 CST -.9481
 LSA 2041.5 MSA 198.3 SSA 15.5
 EL1 1953.2 EL2 66.7 ALF 6.32

DIFFERENTIAL CORRECTIONS
 TOE 1.3489 TRA-1.3214 TC3-4.5685 BAU 1.0621
 RDE .1638 RRA -.0015 RC3 .1895 FAU .04943
 FDE .8906 FRA .0827 FC3-2.4629 BSP 14621
 BDE 1.3588 BRA 1.3214 BC3 4.5724 FSP -676

LAUNCH DATE DEC 21 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 24 1966

MELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 27.101 GAL -3.55 AZL 85.97 HCA 225.61 SMA 124.13 ECC .19531 INC 4.0349 V1 30.273
 RP 108.94 LAP -2.88 LOP 314.46 VP 36.977 GAP 8.82 AZP 92.83 TAL 194.96 TAP 60.56 RCA 99.89 APO 148.38 V2 34.785
 RC 157.067 GL 27.58 GP -6.31 ZAL 112.37 ZAP 161.81 ETS 339.48 ZAE 130.08 ETE 185.50 ZAC 68.79 ETC 161.18 CLP-162.90

PLANETOCENTRIC CONIC
 C3 16.901 VHL 4.111 DLA 15.51 RAL 325.40 RAD 6567.7 VEL 11.759 PTH 2.08 VMP 5.984 DPA -19.88 RAP 337.12 ECC 1.2781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 13 2678.86 -27.47 73.04 189.18 97.16 1 46 52 2078.9 -26.19 64.60
 90.00 17 7 29 4315.08 3.75 178.41 183.37 61.91 18 19 24 3715.1 -.04 171.77
 100.00 2 32 4 2389.10 -28.73 51.53 188.99 98.65 3 11 53 1789.1 -27.23 43.04
 100.00 18 20 19 4080.08 4.86 160.52 182.76 60.47 19 28 19 3480.1 .89 153.98
 110.00 3 59 15 2116.33 -32.01 30.10 188.27 102.69 4 34 31 1516.3 -29.93 21.50
 110.00 19 9 38 3925.62 7.71 147.05 181.00 66.59 20 15 4 3325.6 3.26 140.78

MID-COURSE EXECUTION ACCURACY
 SGT 4710.6 SGR 290.0 SG3 201.9
 RRT -.1252 RRF -.0717 RTF .8887
 SGB 4719.5 R23 -.0403 R13 -.8887
 SGI 4710.8 SG2 287.7 TMA 179.56

ORBIT DETERMINATION ACCURACY
 ST 2011.3 SR 236.3 SS 630.3
 CRT .9675 CRS -.9950 CST -.9510
 LSA 2112.1 MSA 193.5 SSA 16.5
 EL1 2024.3 EL2 59.3 ALF 6.49

DIFFERENTIAL CORRECTIONS
 TOE 1.3910 TRA-1.2050 TC3-4.7719 BAU 1.0792
 RDE .1695 RRA -.0113 RC3 .2038 FAU .04712
 FDE .8726 FRA .1434 FC3-2.4136 BSP 14840
 BDE 1.4013 BRA 1.2051 BC3 4.7763 FSP -656

LAUNCH DATE DEC 21 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 26 1966

MELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 27.045 GAL -3.18 AZL 86.04 HCA 228.77 SMA 123.79 ECC .19659 INC 3.9592 V1 30.273
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.938 GAP 9.03 AZP 92.61 TAL 193.21 TAP 61.97 RCA 99.45 APO 148.12 V2 34.786
 RC 159.265 GL 27.32 GP -5.87 ZAL 109.92 ZAP 162.82 ETS 339.83 ZAE 130.10 ETE 185.11 ZAC 70.78 ETC 161.95 CLP-163.82

PLANETOCENTRIC CONIC
 C3 16.504 VHL 4.062 DLA 16.22 RAL 327.97 RAD 6567.7 VEL 11.743 PTH 2.07 VMP 6.095 DPA -18.67 RAP 339.15 ECC 1.2716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 40 2699.59 -27.64 74.53 191.63 96.43 1 50 40 2099.6 -26.46 66.06
 90.00 17 24 29 4283.44 2.73 176.64 185.73 61.80 18 35 53 3683.4 -1.06 170.01
 100.00 2 36 6 2408.00 -28.91 52.90 191.45 97.95 3 16 14 1808.0 -27.51 44.38
 100.00 18 36 45 4050.26 3.85 158.87 185.11 60.33 19 44 15 3450.3 -.12 152.34
 110.00 4 4 27 2131.55 -32.23 31.23 190.77 102.06 4 39 59 1531.5 -30.24 22.58
 110.00 19 24 53 3899.48 6.72 145.66 183.33 66.41 20 29 53 3299.5 2.26 139.42

MID-COURSE EXECUTION ACCURACY
 SGT 4789.9 SGR 304.3 SG3 197.4
 RRT -.1067 RRF -.0662 RTF .8887
 SGB 4799.6 R23 -.0291 R13 -.8887
 SGI 4790.0 SG2 302.5 TMA 179.61

ORBIT DETERMINATION ACCURACY
 ST 2085.0 SR 247.5 SS 636.9
 CRT .9781 CRS -.9916 CST -.9542
 LSA 2186.0 MSA 187.6 SSA 17.5
 EL1 2099.0 EL2 51.2 ALF 6.63

DIFFERENTIAL CORRECTIONS
 TOE 1.4364 TRA-1.0836 TC3-4.9699 BAU 1.0976
 RDE .1753 RRA -.0208 RC3 .2150 FAU .04502
 FDE .8544 FRA .1986 FC3-2.3615 BSP 15127
 BDE 1.4471 BRA 1.0838 BC3 4.9745 FSP -644

LAUNCH DATE DEC 21 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.990 GAL -2.79 AZL 86.11 MCA 231.93 SMA 123.44 ECC .19805 INC 3.8906 V1 30.273
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.899 GAP 9.24 AZP 92.40 TAL 191.44 TAP 63.37 RCA 99.00 APO 147.89 V2 34.788
 RC 161.449 GL 27.05 GP -5.49 ZAL 107.34 ZAP 163.79 ETS 340.06 ZAE 130.13 ETE 184.78 ZAC 72.82 ETC 162.64 CLP-164.73

PLANETOCENTRIC CONIC
 C3 16.183 VML 4.023 DLA 17.00 RAL 330.65 RAD 6567.6 VEL 11.729 PTH 2.07 VMP 6.209 CPA -17.50 RAP 341.20 ECC 1.2663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 53 2723.89 -27.81 76.29 194.30 95.56 1 54 17 2123.9 -26.75 67.78
 90.00 17 42 41 4250.19 1.66 174.78 188.29 61.73 18 53 31 3650.2 -2.13 168.15
 100.00 2 39 58 2430.20 -29.11 54.52 194.13 97.11 3 20 28 1830.2 -27.82 45.96
 100.00 18 54 18 4019.11 2.80 157.16 187.66 60.23 20 1 17 3419.1 -1.18 150.64
 110.00 4 9 39 2149.59 -32.48 32.58 193.50 101.29 4 45 29 1549.6 -30.58 23.87
 110.00 19 41 6 3872.49 5.70 144.24 185.86 56.24 20 45 38 3272.5 1.23 138.01

DIFFERENTIAL CORRECTIONS
 TDE 1.4874 TRA -.9533 TC3-5.1494 BAU 1.1152
 RDE .1814 RRA -.0301 RC3 .2232 FAU .04294
 FDE .8383 FRA .2521 FC3-2.2971 BSP 15401
 BDE 1.4984 BRA .9537 BC3 5.1543 FSP -631

MID-COURSE EXECUTION ACCURACY
 SGT 4865.0 SGR 317.9 SG3 192.9
 RRT -.0660 RRF -.0568 RTF .8890
 SGB 4875.4 R23 -.0201 R13 -.8890
 SGI 4865.1 SG2 316.7 THA 179.68

ORBIT DETERMINATION ACCURACY
 ST 2164.4 SR 258.8 S5 644.1
 CRT .9863 CRS -.9871 CST -.9576
 LSA 2265.6 MSA 181.4 SSA 18.5
 EL1 2179.4 EL2 42.5 ALF 6.73

LAUNCH DATE DEC 21 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.936 GAL -2.39 AZL 86.17 MCA 235.09 SMA 123.11 ECC .19969 INC 3.8276 V1 30.273
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.862 GAP 9.45 AZP 92.19 TAL 189.67 TAP 64.76 RCA 98.52 APO 147.69 V2 34.791
 RC 163.619 GL 26.74 GP -5.17 ZAL 104.63 ZAP 164.73 ETS 340.19 ZAE 130.16 ETE 184.49 ZAC 74.90 ETC 163.27 CLP-165.61

PLANETOCENTRIC CONIC
 C3 15.942 VML 3.993 DLA 17.81 RAL 333.46 RAD 6567.6 VEL 11.719 PTH 2.06 VMP 6.329 CPA -16.34 RAP 343.27 ECC 1.2624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 55 2751.56 -27.98 78.30 197.18 94.57 1 57 47 2151.6 -27.05 69.75
 90.00 18 2 2 4215.70 .55 172.86 191.08 61.69 19 12 18 3615.7 -3.24 166.22
 100.00 2 43 44 2455.50 -29.31 56.38 197.04 96.16 3 24 39 1855.5 -28.15 47.77
 100.00 19 12 55 3986.99 1.72 155.39 190.43 60.15 20 19 22 3387.0 -2.27 148.87
 110.00 4 14 54 2170.23 -32.74 34.13 196.45 100.41 4 51 5 1570.2 -30.96 25.36
 110.00 19 58 14 3845.02 4.66 142.79 188.59 56.10 21 2 19 3245.0 .18 136.58

DIFFERENTIAL CORRECTIONS
 TDE 1.5440 TRA -.8136 TC3-5.3066 BAU 1.1321
 RDE .1879 RRA -.0390 RC3 .2285 FAU .04089
 FDE .8238 FRA .3037 FC3-2.2207 BSP 15658
 BDE 1.5554 BRA .8146 BC3 5.3116 FSP -618

MID-COURSE EXECUTION ACCURACY
 SGT 4936.6 SGR 330.8 SG3 188.3
 RRT -.0636 RRF -.0442 RTF .8896
 SGB 4947.7 R23 -.0127 R13 -.8895
 SGI 4936.7 SG2 330.1 THA 179.75

ORBIT DETERMINATION ACCURACY
 ST 2249.5 SR 270.2 S5 651.5
 CRT .9921 CRS -.9816 CST -.9610
 LSA 2350.9 MSA 174.8 SSA 19.4
 EL1 2265.4 EL2 35.6 ALF 6.80

LAUNCH DATE DEC 21 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.882 GAL -1.98 AZL 86.23 MCA 238.25 SMA 122.78 ECC .20152 INC 3.7694 V1 30.273
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.826 GAP 9.67 AZP 91.99 TAL 187.89 TAP 66.14 RCA 98.04 APO 147.52 V2 34.794
 RC 165.775 GL 26.40 GP -4.88 ZAL 101.80 ZAP 165.63 ETS 340.21 ZAE 130.21 ETE 184.24 ZAC 77.03 ETC 163.83 CLP-166.47

PLANETOCENTRIC CONIC
 C3 15.784 VML 3.973 DLA 18.66 RAL 336.38 RAD 6567.6 VEL 11.712 PTH 2.06 VMP 6.454 CPA -15.20 RAP 345.36 ECC 1.2598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 49 2782.43 -28.12 80.54 200.28 93.45 2 1 11 2182.4 -27.35 71.96
 90.00 18 22 30 4180.29 -.60 170.88 194.09 61.69 19 32 10 3580.3 -4.38 164.24
 100.00 2 47 28 2483.68 -29.50 58.45 200.17 95.08 3 28 51 1883.7 -28.48 49.79
 100.00 19 32 32 3954.27 .61 153.60 193.42 60.11 20 38 27 3354.3 -3.38 147.07
 110.00 4 20 17 2193.28 -33.01 35.87 199.64 99.41 4 56 50 1593.3 -31.36 27.04
 110.00 20 16 13 3817.44 3.61 141.34 191.54 55.99 21 19 50 3217.4 -.87 135.14

DIFFERENTIAL CORRECTIONS
 TDE 1.6074 TRA -.6625 TC3-5.4309 BAU 1.1470
 RDE .1947 RRA -.0473 RC3 .2308 FAU .03881
 FDE .8121 FRA .3554 FC3-2.1290 BSP 15856
 BDE 1.6192 BRA .6642 BC3 5.4358 FSP -602

MID-COURSE EXECUTION ACCURACY
 SGT 5001.2 SGR 343.0 SG3 183.8
 RRT -.0394 RRF -.0278 RTF .8900
 SGB 5013.0 R23 -.0075 R13 -.8900
 SGI 5001.2 SG2 342.8 THA 179.84

ORBIT DETERMINATION ACCURACY
 ST 2341.4 SR 281.7 S5 659.9
 CRT .9958 CRS -.9752 CST -.9645
 LSA 2443.0 MSA 168.6 SSA 20.3
 EL1 2358.1 EL2 25.6 ALF 6.83

LAUNCH DATE DEC 21 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.829 GAL -1.55 AZL 86.29 MCA 241.42 SMA 122.45 ECC .20356 INC 3.7149 V1 30.273
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.791 GAP 9.90 AZP 91.78 TAL 186.10 TAP 67.51 RCA 97.53 APO 147.38 V2 34.798
 RC 167.915 GL 26.00 GP -4.62 ZAL 98.87 ZAP 166.51 ETS 340.11 ZAE 130.26 ETE 184.03 ZAC 79.19 ETC 164.35 CLP-167.31

PLANETOCENTRIC CONIC
 C3 15.712 VML 3.964 DLA 19.52 RAL 339.43 RAD 6567.6 VEL 11.709 PTH 2.06 VMP 6.584 CPA -14.07 RAP 347.46 ECC 1.2586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 37 2816.31 -28.24 83.01 203.60 92.22 2 4 34 2216.3 -27.63 74.40
 90.00 18 44 0 4144.36 -1.76 168.88 197.32 61.73 19 53 4 3544.4 -5.52 162.22
 100.00 2 51 12 2514.54 -29.66 60.73 203.51 93.89 3 33 7 1914.5 -28.81 52.03
 100.00 19 53 6 3921.36 -.51 151.79 196.63 60.11 20 58 27 3321.4 -4.48 145.26
 110.00 4 25 50 2218.50 -33.28 37.79 203.06 98.30 5 2 48 1618.5 -31.77 28.89
 110.00 20 34 58 3790.17 2.57 139.92 194.70 55.90 21 38 8 3190.2 -1.92 133.71

DIFFERENTIAL CORRECTIONS
 TDE 1.6721 TRA -.5046 TC3-5.5328 BAU 1.1632
 RDE .2021 RRA -.0551 RC3 .2297 FAU .03693
 FDE .7989 FRA .4033 FC3-2.0346 BSP 16105
 BDE 1.6842 BRA .5076 BC3 5.5375 FSP -590

MID-COURSE EXECUTION ACCURACY
 SGT 5067.5 SGR 354.4 SG3 179.5
 RRT -.0153 RRF -.0118 RTF .8915
 SGB 5079.9 R23 -.0019 R13 -.8915
 SGI 5067.5 SG2 354.4 THA 179.94

ORBIT DETERMINATION ACCURACY
 ST 2431.5 SR 293.2 S5 665.9
 CRT .9973 CRS -.9682 CST -.9676
 LSA 2532.8 MSA 162.4 SSA 21.0
 EL1 2449.1 EL2 21.3 ALF 6.86

LAUNCH DATE DEC 21 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 491.629

RL 147.17 LAL .00 LOL 88.92 VL 26.776 GAL -1.11 AZL 86.34 MCA 244.58 SMA 122.14 ECC .20583 INC 3.6636 VI 30.273
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.757 GAP 10.13 AZP 91.57 TAL 184.30 TAP 68.88 RCA 97.00 APO 147.28 V2 34.803
 RC 170.040 GL 25.55 GP -4.39 ZAL 95.84 ZAP 167.36 ETS 339.90 ZAE 130.32 ETE 183.85 ZAC 81.37 ETC 164.81 CLP-168.14

PLANETOCENTRIC CONIC

C3 15.734 VHL 3.967 DLA 20.39 RAL 342.59 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 6.721 DPA -12.95 RAP 349.58 ECC 1.2589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 20 23 2852.99 -28.30 85.70 207.13 90.87 2 7 56 2253.0 -27.88 77.06
 90.00 19 6 27 4108.31 -2.92 166.86 200.78 61.82 20 14 55 3508.3 -6.66 160.19
 100.00 2 55 1 2547.85 -29.79 63.20 207.08 92.60 3 37 29 1947.8 -29.11 54.46
 100.00 20 14 30 3888.69 -1.62 150.00 200.06 60.15 21 19 19 3288.7 -5.58 143.45
 110.00 4 31 37 2245.65 -33.53 39.87 206.70 97.10 5 9 2 1645.7 -32.18 30.90
 110.00 20 54 24 3763.65 1.56 138.53 198.07 55.85 21 57 7 3163.6 -2.93 132.33

DIFFERENTIAL CORRECTIONS

TOE 1.7401 TRA -.3367 TC3-5.5955 BAU 1.1780
 RDE .2101 RRA -.0621 RC3 .2257 FAU .03501
 FDE .7863 FRA .4499 FC3-1.9264 BSP 16334
 BDE 1.7527 BRA .3424 BC3 5.6000 FSP -577

MID-COURSE EXECUTION ACCURACY

SGT 5127.6 SGR 365.1 SG3 175.1
 RRT .0094 RRF .0064 RTF .8930
 SGB 5140.6 R23 -.0021 R13 .8930
 SG1 5127.6 SG2 365.0 THA .04

ORBIT DETERMINATION ACCURACY

ST 2521.8 SR 304.8 SS 671.0
 CRT .9970 CRS -.9607 CST -.9706
 LSA 2622.5 MSA 156.9 SSA 21.7
 EL1 2540.1 EL2 23.4 ALF 6.87

LAUNCH DATE DEC 21 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 497.295

RL 147.17 LAL .00 LOL 88.92 VL 26.724 GAL -.66 AZL 86.39 MCA 247.74 SMA 121.83 ECC .20833 INC 3.6149 VI 30.273
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.724 GAP 10.38 AZP 91.37 TAL 182.49 TAP 70.24 RCA 96.45 APO 147.21 V2 34.808
 RC 172.148 GL 25.03 GP -4.19 ZAL 92.73 ZAP 168.19 ETS 339.57 ZAE 130.38 ETE 183.69 ZAC 83.59 ETC 165.23 CLP-168.95

PLANETOCENTRIC CONIC

C3 15.857 VHL 3.982 DLA 21.25 RAL 345.86 RAD 6567.6 VEL 11.715 PTH 2.06 VHP 6.864 DPA -11.83 RAP 351.70 ECC 1.2610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 9 2892.25 -28.31 88.57 210.86 89.43 2 11 21 2292.2 -28.09 79.91
 90.00 19 29 44 4072.56 -4.06 164.86 204.47 61.95 20 37 37 3472.6 -7.79 158.16
 100.00 2 58 58 2583.32 -29.87 65.83 210.85 91.22 3 42 1 1983.3 -29.38 57.06
 100.00 20 36 37 3856.73 -2.70 148.24 203.72 60.22 21 40 54 3256.7 -6.64 141.68
 110.00 4 37 41 2274.47 -33.75 42.10 210.57 95.80 5 15 35 1674.5 -32.58 33.06
 110.00 21 14 23 3738.34 .59 137.21 201.66 55.82 22 16 41 3138.3 -3.89 131.00

DIFFERENTIAL CORRECTIONS

TOE 1.8137 TRA -.1559 TC3-5.6153 BAU 1.1913
 RDE .2189 RRA -.0682 RC3 .2187 FAU .03313
 FDE .7763 FRA .4969 FC3-1.8090 BSP 16503
 BDE 1.8269 BRA .1701 BC3 5.6195 FSP -562

MID-COURSE EXECUTION ACCURACY

SGT 5183.4 SGR 375.0 SG3 170.9
 RRT .0353 RRF .0273 RTF .8948
 SGB 5196.9 R23 -.0045 R13 .8948
 SG1 5183.4 SG2 374.8 THA .15

ORBIT DETERMINATION ACCURACY

ST 2614.1 SR 316.6 SS 676.8
 CRT .9951 CRS -.9530 CST -.9734
 LSA 2714.4 MSA 152.5 SSA 22.1
 EL1 2633.0 EL2 31.1 ALF 6.87

LAUNCH DATE DEC 21 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 502.942

RL 147.17 LAL .00 LOL 88.92 VL 26.673 GAL -.18 AZL 86.43 MCA 250.91 SMA 121.52 ECC .21108 INC 3.5684 VI 30.273
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.693 GAP 10.63 AZP 91.17 TAL 180.68 TAP 71.59 RCA 95.87 APO 147.17 V2 34.814
 RC 174.239 GL 24.45 GP -4.01 ZAL 89.56 ZAP 169.00 ETS 339.09 ZAE 130.45 ETE 183.55 ZAC 85.83 ETC 165.62 CLP-169.75

PLANETOCENTRIC CONIC

C3 16.088 VHL 4.011 DLA 22.08 RAL 349.22 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 7.014 DPA -10.72 RAP 353.84 ECC 1.2648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 58 2933.78 -28.25 91.60 214.77 87.91 2 14 52 2333.8 -28.24 82.94
 90.00 19 53 44 4037.61 -5.18 162.90 208.38 62.12 21 1 1 3437.6 -8.87 156.17
 100.00 3 3 6 2620.62 -29.89 68.60 214.81 89.76 3 46 46 2020.6 -29.61 59.81
 100.00 20 59 18 3826.00 -3.74 146.55 207.58 60.32 22 3 4 3226.0 -7.66 139.96
 110.00 4 44 6 2304.65 -33.93 44.43 214.64 94.43 5 22 30 1704.6 -32.94 35.33
 110.00 21 34 47 3714.74 -.31 135.98 205.44 55.82 22 36 42 3114.7 -4.79 129.77

DIFFERENTIAL CORRECTIONS

TOE 1.8838 TRA .0312 TC3-5.6014 BAU 1.2056
 RDE .2285 RRA -.0735 RC3 .2086 FAU .03146
 FDE .7601 FRA .5385 FC3-1.6930 BSP 16774
 BDE 1.8976 BRA .0798 BC3 5.6053 FSP -561

MID-COURSE EXECUTION ACCURACY

SGT 5237.8 SGR 383.9 SG3 166.5
 RRT .0601 RRF .0447 RTF .8982
 SGB 5251.9 R23 -.0096 R13 .8982
 SG1 5237.8 SG2 383.2 THA .25

ORBIT DETERMINATION ACCURACY

ST 2634.4 SR 328.2 SS 675.5
 CRT .9919 CRS -.9450 CST -.9758
 LSA 2793.1 MSA 148.5 SSA 22.3
 EL1 2714.0 EL2 41.3 ALF 6.89

LAUNCH DATE DEC 21 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 508.568

RL 147.17 LAL .00 LOL 88.92 VL 26.623 GAL .31 AZL 86.48 MCA 254.08 SMA 121.22 ECC .21411 INC 3.5236 VI 30.273
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.662 GAP 10.90 AZP 90.97 TAL 178.87 TAP 72.94 RCA 95.27 APO 147.18 V2 34.821
 RC 176.312 GL 23.80 GP -3.84 ZAL 86.34 ZAP 169.79 ETS 338.45 ZAE 130.53 ETE 183.44 ZAC 88.08 ETC 165.96 CLP-170.53

PLANETOCENTRIC CONIC

C3 16.439 VHL 4.054 DLA 22.88 RAL 352.66 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 7.173 DPA -9.61 RAP 355.98 ECC 1.2705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 54 2977.24 -28.10 94.77 218.86 86.33 2 18 32 2377.2 -28.31 86.12
 90.00 20 18 15 4004.00 -6.25 161.01 212.49 62.32 21 24 59 3404.0 -9.91 154.24
 100.00 3 7 29 2659.38 -29.85 71.48 218.95 88.24 3 51 49 2059.4 -29.77 62.68
 100.00 21 22 21 3797.09 -4.71 144.96 211.65 60.45 22 25 38 3197.1 -8.61 138.34
 110.00 4 50 54 2335.83 -34.07 46.86 218.90 93.00 5 29 50 1735.8 -33.28 37.71
 110.00 21 55 25 3693.40 -1.12 134.87 209.42 55.83 22 56 59 3093.4 -5.60 128.64

DIFFERENTIAL CORRECTIONS

TOE 1.9617 TRA .2348 TC3-5.5296 BAU 1.2160
 RDE .2395 RRA -.0774 RC3 .1969 FAU .02941
 FDE .7547 FRA .5877 FC3-1.5490 BSP 16907
 BDE 1.9762 BRA .2472 BC3 5.5331 FSP -537

MID-COURSE EXECUTION ACCURACY

SGT 5283.9 SGR 392.6 SG3 162.3
 RRT .0865 RRF .0723 RTF .8981
 SGB 5298.5 R23 -.0058 R13 .8981
 SG1 5284.0 SG2 391.1 THA .37

ORBIT DETERMINATION ACCURACY

ST 2777.5 SR 340.3 SS 682.3
 CRT .9877 CRS -.9371 CST -.9781
 LSA 2876.4 MSA 147.4 SSA 22.5
 EL1 2797.8 EL2 52.8 ALF 6.90

LAUNCH DATE DEC 21 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 514.171

RL 147.17 LAL .00 LOL 88.92 VL 26.573 GAL .82 AZL 86.52 MCA 257.24 SMA 120.93 ECC .21744 INC 3.4802 V1 30.273
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.633 GAP 11.18 A7P 90.77 TAL 177.05 TAP 74.30 RCA 94.63 APO 147.22 V2 34.828
 RC 178.366 GL 23.09 GP -3.70 ZAL 83.09 ZAP 170.56 ETS 337.62 ZAE 130.61 ETE 183.34 ZAC 90.36 ETC 166.27 CLP-171.31

PLANETOCENTRIC CONIC

C3 16.921 VHL 4.114 DLA 23.63 RAL 356.16 RAD 6567.7 VEL 11.760 PTH 2.08 VHP 7.340 CPA -8.51 RAP 358.12 ECC 1.2785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 1 3022.23 -27.86 98.04 223.10 84.71 2 22 24 2422.2 -28.30 89.41
 90.00 20 43 5 3972.27 -7.25 159.21 216.79 62.55 21 49 18 3372.3 -10.87 152.40
 100.00 3 12 13 2699.16 -29.73 74.44 223.26 86.69 3 57 12 2099.2 -29.87 65.63
 100.00 21 45 35 3770.56 -5.60 143.49 215.89 60.59 22 48 25 3170.6 -9.48 136.85
 110.00 4 58 10 2367.68 -34.15 49.34 223.34 91.53 5 37 38 1767.7 -33.56 40.15
 110.00 22 16 7 3674.81 -1.84 133.90 213.56 55.86 23 17 22 3074.8 -6.30 127.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0329 TRA .4469 TC3-5.4260 BAU 1.2281 SGT 5329.8 SGR 399.9 SG3 158.3 ST 2842.0 SR 351.9 S5 679.7
 RDE .2513 RRA -.0804 RC3 .1824 FAU .02778 RRT .1117 RRF .0930 RTF .9007 CRT .9827 CRS -.9288 CST -.9799
 FDE .7406 FRA .6323 FC3-1.4214 BSP 17080 SGB 5344.8 R23 -.0082 R13 .9007 LSA 2939.6 MSA 147.0 S5A 22.3
 BDE 2.0484 BRA .4540 BC3 5.4291 FSP -524 SGI 5330.0 SG2 397.4 TMA .48 EL1 2863.0 EL2 64.6 ALF 6.94

LAUNCH DATE DEC 21 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 519.749

RL 147.17 LAL .00 LOL 88.92 VL 26.523 GAL 1.35 AZL 86.56 MCA 260.41 SMA 120.64 ECC .22109 INC 3.4378 V1 30.273
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.605 GAP 11.48 A7P 90.57 TAL 175.24 TAP 75.65 RCA 93.97 APO 147.31 V2 34.836
 RC 180.400 GL 22.31 GP -3.56 ZAL 79.82 ZAP 171.32 ETS 336.57 ZAE 130.70 ETE 183.25 ZAC 92.65 ETC 166.54 CLP-172.08

PLANETOCENTRIC CONIC

C3 17.548 VHL 4.189 DLA 24.31 RAL 359.71 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 7.518 CPA -7.40 RAP .27 ECC 1.2888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 24 3068.26 -27.52 101.37 227.46 83.07 2 26 32 2468.3 -28.20 92.77
 90.00 21 8 1 3943.05 -8.16 157.55 221.25 62.79 22 13 44 3343.1 -11.74 150.70
 100.00 3 17 22 2739.48 -29.53 77.42 227.70 85.14 4 3 2 2139.5 -29.89 68.63
 100.00 22 8 43 3747.07 -6.38 142.19 220.29 60.74 23 11 11 3147.1 -10.24 135.52
 110.00 5 5 56 2399.82 -34.18 51.85 227.93 90.04 5 45 56 1799.8 -33.80 42.63
 110.00 22 36 39 3659.49 -2.42 133.10 217.84 55.89 23 37 38 3059.5 -6.88 126.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1086 TRA .6736 TC3-5.2689 BAU 1.2367 SGT 5369.0 SGR 406.7 SG3 154.2 ST 2903.0 SR 363.5 S5 678.4
 RDE .2644 RRA -.0820 RC3 .1567 FAU .02602 RRT .1383 RRF .1183 RTF .9033 CRT .9771 CRS -.9211 CST -.9817
 FDE .7301 FRA .6764 FC3-1.2839 BSP 17176 SGB 5384.4 R23 -.0073 R13 .9033 LSA 2999.6 MSA 147.6 S5A 21.9
 BDE 2.1251 BRA .6786 BC3 5.2715 FSP -509 SGI 5369.3 SG2 402.8 TMA .60 EL1 2924.6 EL2 76.7 ALF 6.98

LAUNCH DATE DEC 21 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 525.299

RL 147.17 LAL .00 LOL 88.92 VL 26.475 GAL 1.90 AZL 86.60 MCA 263.59 SMA 120.36 ECC .22509 INC 3.3962 V1 30.273
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.578 GAP 11.79 A7P 90.38 TAL 173.42 TAP 77.01 RCA 93.27 APO 147.45 V2 34.845
 RC 182.414 GL 21.47 GP -3.44 ZAL 76.57 ZAP 172.06 ETS 335.23 ZAE 130.78 ETE 183.18 ZAC 94.96 ETC 166.79 CLP-172.84

PLANETOCENTRIC CONIC

C3 18.337 VHL 4.282 DLA 24.93 RAL 3.28 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 7.706 CPA -6.30 RAP 2.43 ECC 1.3018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 9 3114.76 -27.10 104.71 231.93 81.45 2 31 4 2514.8 -28.00 96.16
 90.00 21 32 44 3917.05 -8.97 156.06 225.86 63.03 22 38 1 3317.1 -12.51 149.18
 100.00 3 23 3 2779.77 -29.26 80.38 232.26 83.60 4 9 23 2179.8 -29.84 71.63
 100.00 22 31 31 3727.27 -7.04 141.09 224.82 60.87 23 33 38 3127.3 -10.87 134.39
 110.00 5 14 15 2431.86 -34.16 54.35 232.65 88.56 5 54 47 1831.9 -33.98 45.11
 110.00 22 56 49 3647.94 -2.86 132.40 222.24 55.92 23 57 36 3047.9 -7.31 126.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1775 TRA .9092 TC3-5.0816 BAU 1.2463 SGT 5406.3 SGR 412.4 SG3 150.2 ST 2944.0 SR 374.5 S5 672.5
 RDE .2785 RRA -.0824 RC3 .1496 FAU .02445 RRT .1638 RRF .1415 RTF .9064 CRT .9711 CRS -.9131 CST -.9831
 FDE .7161 FRA .7190 FC3-1.1544 BSP 17350 SGB 5422.0 R23 -.0079 R13 .9064 LSA 3039.2 MSA 149.6 S5A 21.3
 BDE 2.1952 BRA .9129 BC3 5.0838 FSP -499 SGI 5406.7 SG2 406.8 TMA .72 EL1 2966.4 EL2 88.7 ALF 7.05

LAUNCH DATE DEC 21 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 530.815

RL 147.17 LAL .00 LOL 88.92 VL 26.427 GAL 2.48 AZL 86.64 MCA 266.76 SMA 120.08 ECC .22947 INC 3.3551 V1 30.273
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.552 GAP 12.12 A7P 90.19 TAL 171.61 TAP 78.37 RCA 92.53 APO 147.64 V2 34.854
 RC 184.407 GL 20.59 GP -3.33 ZAL 73.34 ZAP 172.78 ETS 333.53 ZAE 130.87 ETE 183.11 ZAC 97.27 ETC 166.99 CLP-173.60

PLANETOCENTRIC CONIC

C3 19.307 VHL 4.394 DLA 25.47 RAL 6.85 RAD 6567.8 VEL 11.861 PTH 2.10 VHP 7.906 CPA -5.21 RAP 4.59 ECC 1.3177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 24 3161.04 -26.59 108.00 236.49 79.88 2 36 5 2561.0 -27.71 99.51
 90.00 21 56 57 3895.02 -9.64 154.80 230.57 63.25 23 1 52 3295.0 -13.16 147.89
 100.00 3 29 21 2819.47 -28.92 83.28 236.90 82.10 4 16 21 2219.5 -29.71 74.57
 100.00 22 53 41 3711.83 -7.55 140.22 229.45 60.99 23 55 33 3111.8 -11.36 133.51
 110.00 5 23 8 2463.46 -34.08 56.82 237.48 87.11 6 4 12 1863.5 -34.10 47.57
 110.00 23 16 23 3640.59 -3.14 132.11 226.73 55.94 24 17 4 3040.6 -7.59 125.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2439 TRA 1.1582 TC3-4.8573 BAU 1.2542 SGT 5438.8 SGR 417.3 SG3 146.2 ST 2971.5 SR 384.9 S5 665.6
 RDE .2939 RRA -.0813 RC3 .1320 FAU .02287 RRT .1893 RRF .1663 RTF .9095 CRT .9647 CRS -.9052 CST -.9845
 FDE .7027 FRA .7616 FC3-1.0257 BSP 17512 SGB 5454.8 R23 -.0070 R13 .9095 LSA 3065.5 MSA 152.7 S5A 20.6
 BDE 2.2631 BRA 1.1611 BC3 4.8591 FSP -488 SGI 5439.4 SG2 409.8 TMA .84 EL1 2994.6 EL2 100.6 ALF 7.13

LAUNCH DATE DEC 21 1965 FLIGHT TIME 182.00 ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.380 GAL 3.09 AZL 86.69 HCA 269.93 SMA 119.81 ECC .23427 INC 3.3142 V1 30.273
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.527 GAP 12.48 AZP 90.00 TAL 169.80 TAP 79.74 RCA 91.74 APO 147.88 V2 34.863
 RC 186.379 GL 19.66 GP -3.23 ZAL 70.17 ZAP 173.49 ETS 331.37 ZAE 130.96 ETE 183.06 ZAC 99.59 ETC 167.17 CLP-174.35

PLANETOCENTRIC CONIC
 C3 20.480 VHL 4.525 DLA 25.92 RAL 10.39 RAO 6567.8 VEL 11.911 PTH 2.12 VHP 8.120 DPA -4.11 RAP 6.76 ECC 1.3370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 20 3206.34 -26.00 111.19 241.10 78.38 2 41 46 2606.3 -27.35 102.78
 90.00 22 20 17 3877.77 -10.17 153.81 235.36 63.43 23 24 55 3277.8 -13.66 146.87
 100.00 3 36 23 2857.97 -28.53 86.08 241.62 80.68 4 24 1 2258.0 -29.52 77.42
 100.00 23 14 54 3701.38 -7.90 139.64 234.14 61.08 24 16 36 3101.4 -11.70 132.91
 110.00 5 32 37 2494.32 -33.94 59.22 242.38 85.69 6 14 11 1894.3 -34.17 49.98
 110.00 23 35 10 3637.79 -3.25 131.97 231.28 55.95 24 35 48 3037.8 -7.70 125.70

DIFFERENTIAL CORRECTIONS
 TDE 2.3066 TRA 1.4211 TC3-4.6032 BAU 1.2607 SGT 5467.0 SGR 421.3 SG3 142.3 ST 2984.0 SR 394.5 SS 656.8
 RDE .3105 RRA -.0788 RC3 .1144 FAU .02136 RRT .2148 RRF .1911 RTF .9128 CRT .9579 CR5 -.8973 CST -.9857
 FDE .6888 FRA .8047 FC3 -.9029 BSP 17654 SGB 5483.2 R23 -.0062 R13 .9128 LSA 3076.8 MSA 156.9 SSA 19.8
 BOE 2.3274 BRA 1.4233 BC3 4.6046 FSP -477 SG1 5467.8 SG2 411.4 THA .95 EL1 3007.9 EL2 112.4 ALF 7.23

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965 FLIGHT TIME 184.00 ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.333 GAL 3.72 AZL 86.73 HCA 273.11 SMA 119.55 ECC .23953 INC 3.2733 V1 30.273
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.503 GAP 12.86 AZP 89.82 TAL 168.01 TAP 81.11 RCA 90.91 APO 148.18 V2 34.873
 RC 188.330 GL 18.71 GP -3.14 ZAL 67.05 ZAP 174.18 ETS 328.59 ZAE 131.05 ETE 183.01 ZAC 101.92 ETC 167.31 CLP-175.10

PLANETOCENTRIC CONIC
 C3 21.883 VHL 4.678 DLA 26.29 RAL 13.88 RAD 6567.9 VEL 11.969 PTH 2.13 VHP 8.349 DPA -3.03 RAP 8.93 ECC 1.3601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 7 3249.77 -25.37 114.21 245.76 76.99 2 48 17 2649.8 -26.91 105.88
 90.00 22 42 23 3866.21 -10.52 153.14 240.18 63.56 23 46 49 3266.2 -13.99 146.18
 100.00 3 44 15 2894.71 -28.10 88.72 246.39 79.36 4 32 30 2294.7 -29.28 80.12
 100.00 23 34 55 3696.50 -8.06 139.37 238.87 61.12 24 36 32 3096.5 -11.85 132.63
 110.00 5 42 40 2524.19 -33.77 61.53 247.34 84.33 6 24 45 1924.2 -34.18 52.31
 110.00 23 53 0 3639.79 -3.17 132.07 235.87 55.95 24 53 40 3039.8 -7.62 125.81

DIFFERENTIAL CORRECTIONS
 TDE 2.3692 TRA 1.7027 TC3-4.3172 BAU 1.2634 SGT 5490.5 SGR 424.5 SG3 138.6 ST 2987.0 SR 403.1 SS 648.5
 RDE .3282 RRA -.0745 RC3 .0974 FAU .01980 RRT .2411 RRF .2176 RTF .9159 CRT .9507 CR5 -.8894 CST -.9868
 FDE .6764 FRA .8501 FC3 -.7831 BSP 17694 SGB 5506.9 R23 -.0046 R13 .9159 LSA 3078.7 MSA 162.0 SSA 19.0
 BOE 2.3918 BRA 1.7043 BC3 4.3183 FSP -463 SG1 5491.5 SG2 411.9 THA 1.07 EL1 3011.5 EL2 124.0 ALF 7.32

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965 FLIGHT TIME 186.00 ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.287 GAL 4.39 AZL 86.77 HCA 276.29 SMA 119.29 ECC .24528 INC 3.2322 V1 30.273
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.480 GAP 13.26 AZP 89.65 TAL 166.22 TAP 82.50 RCA 90.03 APO 148.55 V2 34.884
 RC 190.259 GL 17.73 GP -3.06 ZAL 64.02 ZAP 174.85 ETS 324.97 ZAE 131.13 ETE 182.98 ZAC 104.26 ETC 167.42 CLP-175.85

PLANETOCENTRIC CONIC
 C3 23.549 VHL 4.853 DLA 26.57 RAL 17.31 RAD 6568.0 VEL 12.039 PTH 2.15 VHP 8.594 DPA -1.95 RAP 11.10 ECC 1.3875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 0 3290.34 -24.72 117.00 250.44 75.74 2 55 51 2690.3 -26.44 108.76
 90.00 23 2 49 3861.29 -10.67 152.86 245.00 63.62 24 7 11 3261.3 -14.13 145.89
 100.00 3 53 2 2929.16 -27.64 91.18 251.20 78.14 4 41 52 2329.2 -29.00 82.64
 100.00 23 53 28 3697.70 -8.02 139.43 243.59 61.11 24 55 6 3097.7 -11.81 132.70
 110.00 5 53 18 2552.89 -33.55 63.75 252.34 83.04 6 35 51 1952.9 -34.15 54.55
 110.00 0 13 38 3646.74 -2.91 132.43 240.45 55.93 1 14 25 3046.7 -7.36 126.18

DIFFERENTIAL CORRECTIONS
 TDE 2.4231 TRA 1.9950 TC3-4.0220 BAU 1.2665 SGT 5509.9 SGR 426.7 SG3 134.8 ST 2970.4 SR 410.4 SS 637.4
 RDE .3468 RRA -.0686 RC3 .0810 FAU .01838 RRT .2663 RRF .2429 RTF .9195 CRT .9432 CR5 -.8812 CST -.9878
 FDE .6621 FRA .8940 FC3 -.6757 BSP 17826 SGB 5526.4 R23 -.0036 R13 .9195 LSA 3060.9 MSA 167.7 SSA 18.1
 BOE 2.4478 BRA 1.9962 BC3 4.0228 FSP -453 SG1 5511.1 SG2 411.2 THA 1.19 EL1 2995.5 EL2 135.2 ALF 7.44

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965 FLIGHT TIME 188.00 ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.242 GAL 5.09 AZL 86.81 HCA 279.47 SMA 119.03 ECC .25160 INC 3.1905 V1 30.273
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.458 GAP 13.69 AZP 89.47 TAL 164.45 TAP 83.91 RCA 89.08 APO 148.98 V2 34.895
 RC 192.167 GL 16.74 GP -2.99 ZAL 61.07 ZAP 175.48 ETS 320.18 ZAE 131.21 ETE 182.94 ZAC 106.59 ETC 167.50 CLP-176.60

PLANETOCENTRIC CONIC
 C3 25.513 VHL 5.051 DLA 26.77 RAL 20.65 RAD 6568.0 VEL 12.120 PTH 2.17 VHP 8.859 DPA -.88 RAP 13.28 ECC 1.4199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 12 3327.12 -24.08 119.51 255.16 74.64 3 4 39 2727.1 -25.96 111.34
 90.00 23 21 15 3863.89 -10.59 153.01 249.78 63.59 24 25 39 3263.9 -14.06 146.04
 100.00 4 2 47 2960.95 -27.18 93.43 256.02 77.04 4 52 8 2361.0 -28.69 84.95
 100.00 0 14 17 3705.29 -7.77 139.86 248.28 61.04 1 16 2 3105.3 -11.57 133.14
 110.00 6 4 26 2580.33 -33.31 65.85 257.35 81.82 6 47 26 1980.3 -34.08 56.69
 110.00 0 29 8 3658.68 -2.45 133.06 245.01 55.89 1 30 7 3058.7 -6.91 126.81

DIFFERENTIAL CORRECTIONS
 TDE 2.4730 TRA 2.3046 TC3-3.7149 BAU 1.2673 SGT 5525.1 SGR 427.9 SG3 131.2 ST 2941.7 SR 416.2 SS 625.9
 RDE .3663 RRA -.0609 RC3 .0658 FAU .01701 RRT .2916 RRF .2683 RTF .9233 CRT .9353 CR5 -.8729 CST -.9887
 FDE .6479 FRA .9393 FC3 -.5771 BSP 17935 SGB 5541.6 R23 -.0026 R13 .9233 LSA 3031.2 MSA 173.8 SSA 17.2
 BOE 2.5000 BRA 2.3054 BC3 3.7155 FSP -442 SG1 5526.5 SG2 409.2 THA 1.30 EL1 2967.4 EL2 146.0 ALF 7.56

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 557.728

RL 147.17 LAL .00 LOL 88.92 VL 26.197 GAL 5.83 AZL 86.85 MCA 282.65 SMA 118.78 ECC .25852 INC 3.1480 V1 30.273
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.436 GAP 14.16 AZP 89.31 TAL 162.69 TAP 85.34 RCA 88.08 APO 149.49 V2 34.906
 RC 194.054 GL 15.74 GP -2.92 ZAL 58.23 ZAP 176.07 ETS 313.75 ZAE 131.28 ETE 182.92 ZAC 108.92 ETC 167.55 CLP-177.36

PLANETOCENTRIC CONIC

C3 27.823 VHL 5.275 DLA 26.89 RAL 23.88 RAD 6568.1 VEL 12.215 PTM 2.19 VHP 9.144 DPA .18 RAP 15.46 ECC 1.4579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 52 3359.36 -23.48 121.68 259.89 73.71 3 14 51 2759.4 -25.49 113.59
 90.00 23 37 22 3874.65 -10.27 153.63 254.49 63.46 24 41 57 3274.6 -13.75 146.68
 100.00 4 13 29 2989.87 -26.72 95.46 260.85 76.07 5 3 19 2389.9 -28.37 87.04
 100.00 0 29 22 3719.38 -7.30 140.65 252.91 60.93 1 31 22 3119.4 -11.12 133.94
 110.00 6 16 0 2606.51 -33.03 67.85 262.35 80.67 6 59 26 2006.5 -33.97 58.73
 110.00 0 43 21 3675.50 -1.81 133.94 249.52 55.86 1 44 36 3075.5 -6.28 127.70

DIFFERENTIAL CORRECTIONS

TOE 2.5189 TRA 2.6320 TC3-3.4017 BAU 1.2655
 RDE .3867 RRA -.0515 RC3 .0521 FAU .01566
 FDE .6344 FRA .9859 FC3 -.4874 BSP 18030
 BDE 2.5484 BRA 2.6325 BC3 3.4021 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 5535.4 SGR 428.2 SG3 127.6
 RRT .3168 RRF .2939 RTF .9272
 SGB 5551.9 R23 -.0015 R13 .9272
 SG1 5537.1 SG2 406.0 THA 1.41

ORBIT DETERMINATION ACCURACY

ST 2902.2 SR 420.4 SS 614.4
 CRT .9269 CRS -.8643 CST -.9896
 LSA 2990.7 MSA 180.2 SSA 16.4
 EL1 2928.3 EL2 156.4 ALF 7.67

LAUNCH DATE DEC 21 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 562.923

RL 147.17 LAL .00 LOL 88.92 VL 26.153 GAL 6.62 AZL 86.90 MCA 285.83 SMA 118.54 ECC .26614 INC 3.1044 V1 30.273
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.416 GAP 14.67 AZP 89.15 TAL 160.96 TAP 86.79 RCA 86.99 APO 150.09 V2 34.918
 RC 195.918 GL 14.75 GP -2.85 ZAL 55.51 ZAP 176.59 ETS 305.01 ZAE 131.35 ETE 182.89 ZAC 111.25 ETC 167.56 CLP-178.13

PLANETOCENTRIC CONIC

C3 30.533 VHL 5.526 DLA 26.94 RAL 26.99 RAD 6568.2 VEL 12.325 PTM 2.22 VHP 9.453 DPA 1.23 RAP 17.64 ECC 1.5025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 3 3386.69 -22.95 123.51 264.63 72.94 3 26 30 2786.7 -25.07 115.48
 90.00 23 51 1 3893.81 -9.68 154.73 259.09 63.26 24 55 55 3293.8 -13.19 147.81
 100.00 4 25 5 3015.89 -26.28 97.27 265.68 75.21 5 15 21 2415.9 -28.05 88.91
 100.00 0 42 37 3739.84 -6.62 141.79 257.45 60.78 1 44 56 3139.8 -10.47 135.11
 110.00 6 27 55 2631.50 -32.74 69.74 267.34 79.58 7 11 47 2031.5 -33.83 60.67
 110.00 0 56 15 3697.00 -9.99 135.06 253.97 55.83 1 57 52 3097.0 -5.46 128.83

DIFFERENTIAL CORRECTIONS

TOE 2.5656 TRA 2.9828 TC3-3.0835 BAU 1.2588
 RDE .4077 RRA -.0399 RC3 .0402 FAU .01429
 FDE .6229 FRA 1.0358 FC3 -.4053 BSP 18024
 BDE 2.5978 BRA 2.9831 BC3 3.0838 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5543.0 SGR 427.7 SG3 124.3
 RRT .3427 RRF .3206 RTF .9311
 SGB 5559.5 R23 -.0002 R13 .9311
 SG1 5545.0 SG2 401.6 THA 1.52

ORBIT DETERMINATION ACCURACY

ST 2858.4 SR 423.0 SS 604.6
 CRT .9181 CRS -.8559 CST -.9904
 LSA 2946.2 MSA 186.5 SSA 15.6
 EL1 2884.8 EL2 166.2 ALF 7.76

LAUNCH DATE DEC 21 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 568.029

RL 147.17 LAL .00 LOL 88.92 VL 26.110 GAL 7.45 AZL 86.94 MCA 289.02 SMA 118.30 ECC .27451 INC 3.0594 V1 30.273
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.397 GAP 15.22 AZP 89.00 TAL 159.26 TAP 88.28 RCA 85.83 APO 150.78 V2 34.930
 RC 197.761 GL 13.77 GP -2.79 ZAL 52.90 ZAP 177.00 ETS 293.28 ZAE 131.40 ETE 182.87 ZAC 113.57 ETC 167.53 CLP-178.90

PLANETOCENTRIC CONIC

C3 33.708 VHL 5.806 DLA 26.91 RAL 29.97 RAD 6568.3 VEL 12.453 PTM 2.25 VHP 9.789 DPA 2.27 RAP 19.81 ECC 1.5547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 39 3409.24 -22.49 125.00 269.38 72.33 3 39 29 2809.2 -24.70 117.03
 90.00 0 6 8 3921.06 -8.84 156.29 263.57 62.99 1 11 29 3321.1 -12.40 149.42
 100.00 4 37 27 3039.19 -25.86 98.87 270.48 74.47 5 28 6 2439.2 -27.74 90.58
 100.00 0 54 2 3766.34 -5.74 143.26 261.90 60.61 1 56 48 3166.3 -9.61 136.61
 110.00 6 40 6 2655.39 -32.43 71.53 272.28 78.56 7 24 21 2055.4 -33.67 62.52
 110.00 1 7 52 3722.90 .00 136.41 258.33 55.82 2 9 55 3122.9 -4.48 130.20

DIFFERENTIAL CORRECTIONS

TOE 2.6041 TRA 3.3504 TC3-2.7760 BAU 1.2511
 RDE .4292 RRA -.0266 RC3 .0297 FAU .01304
 FDE .6103 FRA 1.0860 FC3 -.3350 BSP 18105
 BDE 2.6393 BRA 3.3505 BC3 2.7762 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 5544.7 SGR 426.0 SG3 120.9
 RRT .3676 RRF .3461 RTF .9354
 SGB 5561.0 R23 .0005 R13 .9354
 SG1 5546.9 SG2 396.0 THA 1.63

ORBIT DETERMINATION ACCURACY

ST 2802.0 SR 423.7 SS 593.8
 CRT .9086 CRS -.8469 CST -.9913
 LSA 2888.9 MSA 192.7 SSA 14.9
 EL1 2828.4 EL2 175.3 ALF 7.85

LAUNCH DATE DEC 21 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 573.031

RL 147.17 LAL .00 LOL 88.92 VL 26.068 GAL 8.34 AZL 86.99 MCA 292.21 SMA 118.07 ECC .28375 INC 3.0125 V1 30.273
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.378 GAP 15.83 AZP 88.86 TAL 157.59 TAP 89.79 RCA 84.57 APO 151.57 V2 34.942
 RC 199.580 GL 12.80 GP -2.74 ZAL 50.42 ZAP 177.24 ETS 278.38 ZAE 131.43 ETE 182.86 ZAC 115.88 ETC 167.47 CLP-179.69

PLANETOCENTRIC CONIC

C3 37.429 VHL 6.118 DLA 26.82 RAL 32.81 RAD 6568.5 VEL 12.602 PTM 2.29 VHP 10.156 DPA 3.28 RAP 21.99 ECC 1.6160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 25 3427.60 -22.11 126.21 274.11 71.84 3 53 32 2827.6 -24.38 118.28
 90.00 0 15 2 3955.59 -7.77 158.26 267.92 62.68 1 20 58 3355.6 -11.37 151.44
 100.00 4 50 25 3060.09 -25.47 100.30 275.25 73.81 5 41 25 2460.1 -27.45 92.06
 100.00 1 3 43 3798.34 -4.67 145.03 266.23 60.44 2 7 1 3198.3 -8.57 138.41
 110.00 6 52 25 2678.35 -32.11 73.25 277.18 77.60 7 37 3 2078.4 -33.48 64.28
 110.00 1 18 13 3752.84 1.15 137.97 262.61 55.83 2 20 45 3152.8 -3.34 131.76

DIFFERENTIAL CORRECTIONS

TOE 2.6410 TRA 3.7402 TC3-2.4779 BAU 1.2400
 RDE .4511 RRA -.0112 RC3 .0209 FAU .01182
 FDE .5990 FRA 1.1390 FC3 -.2734 BSP 18221
 BDE 2.6792 BRA 3.7402 BC3 2.4780 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 5542.2 SGR 423.4 SG3 117.7
 RRT .3925 RRF .3717 RTF .9396
 SGB 5558.3 R23 .0012 R13 .9396
 SG1 5544.7 SG2 389.2 THA 1.73

ORBIT DETERMINATION ACCURACY

ST 2740.8 SR 422.5 SS 584.3
 CRT .8987 CRS -.8379 CST -.9921
 LSA 2827.1 MSA 198.4 SSA 14.2
 EL1 2767.1 EL2 183.5 ALF 7.92

LAUNCH DATE DEC 21 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 26.027 GAL 9.30 AZL 87.04 MCA 295.40 SMA 117.84 ECC .29395 INC 2.9635 V1 30.273
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.361 GAP 16.48 AZP 88.73 TAL 155.96 TAP 91.35 RCA 83.20 APO 152.49 V2 34.955
 RC 201.376 GL 11.85 GP -2.69 ZAL 48.06 ZAP 177.26 ETS 261.62 ZAE 131.45 ETE 182.84 ZAC 118.17 ETC 167.36 CLP 179.50

PLANETOCENTRIC CONIC
 C3 41.796 VHL 6.465 DLA 26.67 RAL 35.50 RAD 6568.6 VEL 12.774 PTH 2.32 VHP 10.557 DPA 4.28 RAP 24.16 ECC 1.6879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 0 3442.66 -21.78 127.20 278.82 71.45 4 8 22 2842.7 -24.12 119.30
 90.00 0 21 56 3996.28 -6.49 160.57 272.12 62.38 1 28 32 3396.3 -10.14 153.79
 100.00 5 3 48 3079.00 -25.11 101.59 279.97 73.22 5 55 7 2479.0 -27.17 93.40
 100.00 1 11 49 3835.17 -3.43 147.06 270.44 60.29 2 15 44 3235.2 -7.36 140.48
 110.00 7 4 46 2700.52 -31.78 74.89 282.01 76.68 7 49 46 2100.5 -33.28 65.98
 110.00 1 27 21 3786.42 2.43 139.72 266.80 55.89 2 30 27 3186.4 -2.06 133.52

MID-COURSE EXECUTION ACCURACY
 SGT 5535.6 SGR 419.9 SG3 114.6
 RRT .4175 RRF .3973 RTF .9441
 SGB 5551.5 R23 .0013 R13 .9441
 SGI 5538.4 SG2 381.3 TMA 1.82

ORBIT DETERMINATION ACCURACY
 ST 2677.7 SR 419.4 SS 576.1
 CRT .8884 CRS -.8288 CST -.9929
 LSA 2763.4 MSA 203.5 SSA 13.5
 EL1 2703.6 EL2 190.7 ALF 7.96

DIFFERENTIAL CORRECTIONS
 TDE 2.6781 TRA 4.1564 TC3-2.1896 BAU 1.2235
 RDE .4733 RRA .0063 RC3 .0139 FAU .01061
 FDE .5889 FRA 1.1952 FC3 -.2199 BSP 18221
 BQE 2.7196 BRA 4.1564 BC3 2.1897 FSP -390

LAUNCH DATE DEC 21 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.986 GAL 10.32 AZL 87.09 MCA 298.59 SMA 117.62 ECC .30525 INC 2.9117 V1 30.273
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.344 GAP 17.21 AZP 88.61 TAL 154.37 TAP 92.96 RCA 81.72 APO 153.53 V2 34.968
 RC 203.147 GL 10.93 GP -2.65 ZAL 45.84 ZAP 177.04 ETS 245.63 ZAE 131.44 ETE 182.83 ZAC 120.45 ETC 167.22 CLP 178.68

PLANETOCENTRIC CONIC
 C3 46.932 VHL 6.851 DLA 26.48 RAL 38.04 RAD 6568.8 VEL 12.973 PTH 2.37 VHP 10.999 DPA 5.26 RAP 26.32 ECC 1.7724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 3 3455.35 -21.51 128.02 283.47 71.12 4 23 38 2855.3 -23.89 120.16
 90.00 0 27 9 4041.90 -5.04 163.14 276.19 62.10 1 34 30 3441.9 -8.74 156.41
 100.00 5 17 25 3096.33 -24.76 102.76 284.63 72.70 6 9 1 2496.3 -26.90 94.61
 100.00 1 18 28 3876.15 -2.04 149.31 274.54 60.17 2 23 4 3276.1 -6.00 142.76
 110.00 7 17 2 2722.03 -31.43 76.47 286.76 75.80 8 2 24 2122.0 -33.06 67.62
 110.00 1 35 20 3823.21 3.83 141.65 270.88 56.01 2 39 3 3223.2 -.65 135.44

MID-COURSE EXECUTION ACCURACY
 SGT 5527.0 SGR 415.5 SG3 111.7
 RRT .4429 RRF .4237 RTF .9487
 SGB 5542.6 R23 .0018 R13 .9487
 SGI 5530.0 SG2 372.3 TMA 1.92

ORBIT DETERMINATION ACCURACY
 ST 2615.4 SR 414.7 SS 570.7
 CRT .8777 CRS -.8201 CST -.9938
 LSA 2700.8 MSA 207.8 SSA 12.8
 EL1 2640.7 EL2 196.8 ALF 7.97

DIFFERENTIAL CORRECTIONS
 TDE 2.7181 TRA 4.6052 TC3-1.9123 BAU 1.1999
 RDE .4957 RRA .0261 RC3 .0085 FAU .00937
 FDE .5815 FRA 1.2563 FC3 -.1728 BSP 18168
 BDE 2.7629 BRA 4.6052 BC3 1.9123 FSP -378

LAUNCH DATE DEC 21 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.946 GAL 11.43 AZL 87.14 MCA 301.79 SMA 117.41 ECC .31780 INC 2.8567 V1 30.273
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.328 GAP 18.01 AZP 88.49 TAL 152.85 TAP 94.64 RCA 80.10 APO 154.72 V2 34.981
 RC 204.893 GL 10.03 GP -2.61 ZAL 43.76 ZAP 176.61 ETS 232.43 ZAE 131.41 ETE 182.81 ZAC 122.70 ETC 167.03 CLP 177.83

PLANETOCENTRIC CONIC
 C3 52.991 VHL 7.279 DLA 26.23 RAL 40.43 RAD 6568.9 VEL 13.204 PTH 2.41 VHP 11.486 DPA 6.21 RAP 28.47 ECC 1.8721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 16 3466.42 -21.26 128.74 288.05 70.84 4 39 3 2866.4 -23.68 120.91
 90.00 0 30 56 4091.36 -3.46 165.92 280.12 61.88 1 39 7 3491.4 -7.20 159.23
 100.00 5 31 4 3112.44 -24.43 103.85 289.20 72.22 6 22 57 2512.4 -26.63 95.74
 100.00 1 23 49 3920.57 -.54 151.75 278.50 60.11 2 29 10 3320.6 -4.51 145.22
 110.00 7 29 9 2742.99 -31.07 78.00 291.41 74.97 8 14 52 2143.0 -32.82 69.21
 110.00 1 42 14 3862.79 5.34 143.73 274.85 56.19 2 46 37 3262.8 .86 137.50

MID-COURSE EXECUTION ACCURACY
 SGT 5512.0 SGR 410.0 SG3 108.8
 RRT .4675 RRF .4492 RTF .9533
 SGB 5527.3 R23 .0018 R13 .9533
 SGI 5515.4 SG2 362.2 TMA 2.00

ORBIT DETERMINATION ACCURACY
 ST 2548.8 SR 408.0 SS 565.9
 CRT .8666 CRS -.8111 CST -.9946
 LSA 2634.1 MSA 211.1 SSA 12.2
 EL1 2573.3 EL2 201.6 ALF 7.95

DIFFERENTIAL CORRECTIONS
 TDE 2.7550 TRA 5.0809 TC3-1.6547 BAU 1.1723
 RDE .5181 RRA .0480 RC3 .0044 FAU .00819
 FDE .5743 FRA 1.3205 FC3 -.1338 BSP 18209
 BDE 2.8033 BRA 5.0812 BC3 1.6547 FSP -369

LAUNCH DATE DEC 21 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.908 GAL 12.63 AZL 87.20 MCA 304.98 SMA 117.20 ECC .33177 INC 2.7977 V1 30.273
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.313 GAP 18.90 AZP 88.40 TAL 151.40 TAP 96.38 RCA 78.32 APO 156.09 V2 34.994
 RC 206.614 GL 9.15 GP -2.57 ZAL 41.81 ZAP 176.01 ETS 222.37 ZAE 131.34 ETE 182.80 ZAC 124.91 ETC 166.80 CLP 176.94

PLANETOCENTRIC CONIC
 C3 60.167 VHL 7.757 DLA 25.95 RAL 42.65 RAD 6569.1 VEL 13.473 PTH 2.46 VHP 12.026 DPA 7.14 RAP 30.60 ECC 1.9902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 24 3476.49 -21.03 129.39 292.54 70.59 4 54 20 2876.5 -23.49 121.58
 90.00 0 33 32 4143.69 -1.78 168.84 283.92 61.73 1 42 36 3543.7 -5.54 162.18
 100.00 5 44 36 3127.63 -24.11 104.86 293.67 71.78 6 36 44 2527.6 -26.38 96.79
 100.00 1 28 0 3967.78 1.06 154.34 282.34 60.12 2 34 8 3367.8 -2.92 147.82
 110.00 7 41 0 2763.46 -30.70 79.47 295.94 74.16 8 27 3 2163.5 -32.56 70.75
 110.00 1 48 6 3904.72 6.92 145.94 278.71 56.44 2 53 11 3304.7 2.46 139.69

MID-COURSE EXECUTION ACCURACY
 SGT 5493.1 SGR 403.6 SG3 106.0
 RRT .4921 RRF .4748 RTF .9580
 SGB 5507.9 R23 .0016 R13 .9580
 SGI 5496.7 SG2 351.1 TMA 2.08

ORBIT DETERMINATION ACCURACY
 ST 2483.3 SR 399.6 SS 563.5
 CRT .8553 CRS -.8025 CST -.9953
 LSA 2568.7 MSA 213.2 SSA 11.6
 EL1 2506.8 EL2 205.1 ALF 7.89

DIFFERENTIAL CORRECTIONS
 TDE 2.7952 TRA 5.5921 TC3-1.4135 BAU 1.1370
 RDE .5405 RRA .0721 RC3 .0016 FAU .00700
 FDE .5691 FRA 1.3901 FC3 -.1008 BSP 18225
 BDE 2.8470 BRA 5.5926 BC3 1.4135 FSP -360

LAUNCH DATE DEC 21 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 595.578

RL 147.17 LAL .00 LOL 88.92 VL 25.870 GAL 13.94 AZL 87.27 MCA 308.18 SMA 117.00 ECC .34738 INC 2.7338 V1 30.273
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.299 GAP 19.89 A7P 88.31 TAL 150.03 TAP 98.21 RCA 76.36 APO 157.65 V2 35.007
 RC 208.309 GL 8.31 GP -2.53 ZAL 40.01 ZAP 175.28 ETS 214.89 ZAE 131.23 ETE 182.78 ZAC 127.09 ETC 166.52 CLP 176.02

PLANETOCENTRIC CONIC

C3 68.708 VML 8.289 DLA 25.63 RAL 44.71 RAD 6569.3 VEL 13.786 PTH 2.52 VMP 12.628 DPA 8.03 RAP 32.71 ECC 2.1308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 14 3485.92 -20.82 130.00 296.91 70.36 5 9 20 2885.9 -23.31 122.21
 90.00 0 35 6 4198.10 -.02 171.87 287.57 61.68 1 45 4 3598.1 -3.81 165.24
 100.00 5 57 53 3142.06 -23.80 105.82 298.02 71.36 6 50 15 2542.1 -26.13 97.79
 100.00 1 31 8 4017.19 2.74 157.05 286.04 60.22 2 38 5 3417.2 -1.25 150.53
 110.00 7 52 31 2783.42 -30.32 80.91 300.35 73.39 8 38 54 2183.4 -32.29 72.25
 110.00 1 53 0 3948.60 8.56 148.27 282.45 56.78 2 58 48 3348.6 4.13 141.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8401 TRA 6.1438 TC3 -1.1891 BAU 1.0922 SGT 5470.3 SGR 396.3 SG3 103.4 ST 2419.5 SR 389.7 S5 563.6
 RDE .5628 RRA .0986 RC3 -.0001 FAU .00577 RRT .5166 RRF .5003 RTF .9627 CRT .8440 CRS -.7942 CST -.9960
 FDE .5660 FRA 1.4661 FC3 -.0727 BSP 18227 SGB 5484.7 R23 .0012 R13 .9627 LSA 2505.5 MSA 214.0 S5A 11.0
 BDE 2.8953 BRA 6.1445 BC3 1.1891 FSP -351 SGI 5474.2 SG2 339.1 THA 2.15 EL1 2441.9 EL2 207.1 ALF 7.80

LAUNCH DATE DEC 21 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 599.309

RL 147.17 LAL .00 LOL 88.92 VL 25.834 GAL 15.38 AZL 87.34 MCA 311.39 SMA 116.81 ECC .36487 INC 2.6640 V1 30.273
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.286 GAP 21.00 A7P 88.24 TAL 148.76 TAP 100.14 RCA 74.19 APO 159.43 V2 35.020
 RC 209.976 GL 7.49 GP -2.50 ZAL 38.36 ZAP 174.45 ETS 209.29 ZAE 131.07 ETE 182.76 ZAC 129.23 ETC 166.20 CLP 175.05

PLANETOCENTRIC CONIC

C3 78.931 VML 8.884 DLA 25.27 RAL 46.59 RAD 6569.5 VEL 14.152 PTH 2.58 VMP 13.303 DPA 8.89 RAP 34.79 ECC 2.2990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 38 3494.88 -20.61 130.58 301.13 70.15 5 23 53 2894.9 -23.13 122.81
 90.00 0 35 45 4253.97 1.78 174.99 291.09 61.73 1 46 39 3654.0 -2.01 168.36
 100.00 6 10 48 3155.82 -23.50 106.73 302.23 70.98 7 3 24 2555.8 -25.88 98.74
 100.00 1 33 16 4068.26 4.46 159.87 289.60 60.41 2 41 5 3468.3 .49 153.33
 110.00 8 3 38 2802.82 -29.93 82.28 304.59 72.66 8 50 21 2202.8 -32.01 73.69
 110.00 1 56 56 3994.02 10.25 150.71 286.07 57.21 3 3 30 3394.0 5.86 144.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8955 TRA 6.7451 TC3 -.9799 BAU 1.0340 SGT 5446.0 SGR 388.2 SG3 100.9 ST 2360.6 SR 378.4 S5 567.2
 RDE .5852 RRA .1276 RC3 -.0007 FAU .00443 RRT .5414 RRF .5263 RTF .9673 CRT .8331 CRS -.7868 CST -.9967
 FDE .5664 FRA 1.5505 FC3 -.0486 BSP 18115 SGB 5459.8 R23 .0009 R13 .9673 LSA 2447.8 MSA 213.4 S5A 10.4
 BDE 2.9541 BRA 6.7463 BC3 .9799 FSP -341 SGI 5450.1 SG2 326.2 THA 2.22 EL1 2381.7 EL2 207.4 ALF 7.66

LAUNCH DATE DEC 21 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 602.626

RL 147.17 LAL .00 LOL 88.92 VL 25.799 GAL 16.96 AZL 87.41 MCA 314.59 SMA 116.62 ECC .38456 INC 2.5868 V1 30.273
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.274 GAP 22.25 A7P 88.18 TAL 147.61 TAP 102.20 RCA 71.78 APO 161.47 V2 35.034
 RC 211.817 GL 6.70 GP -2.47 ZAL 36.86 ZAP 173.53 ETS 205.00 ZAE 130.86 ETE 182.74 ZAC 131.30 ETC 165.82 CLP 174.02

PLANETOCENTRIC CONIC

C3 91.249 VML 9.552 DLA 24.89 RAL 48.30 RAD 6569.8 VEL 14.581 PTH 2.64 VMP 14.063 DPA 9.72 RAP 36.82 ECC 2.5017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 30 3503.38 -20.42 131.12 305.19 69.94 5 37 54 2903.4 -22.97 123.38
 90.00 0 35 33 4310.76 3.61 178.16 294.44 61.89 1 47 23 3710.8 -1.18 171.53
 100.00 6 23 16 3168.85 -23.21 107.59 306.27 70.61 7 16 5 2568.9 -25.64 99.63
 100.00 1 34 28 4120.52 6.21 162.76 293.02 60.70 2 43 9 3520.5 2.26 156.20
 110.00 8 14 16 2821.53 -29.54 83.60 308.66 71.97 9 1 18 2221.5 -31.72 75.07
 110.00 1 59 57 4040.60 11.96 153.24 289.55 57.73 3 7 17 3440.6 7.61 146.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9549 TRA 7.3935 TC3 -.7905 BAU .9644 SGT 5414.8 SGR 379.0 SG3 98.5 ST 2300.9 SR 365.6 S5 572.9
 RDE .6072 RRA .1587 RC3 -.0006 FAU .00305 RRT .5653 RRF .5514 RTF .9718 CRT .8223 CRS -.7797 CST -.9973
 FDE .5683 FRA 1.6425 FC3 -.0289 BSP 18112 SGB 5428.1 R23 .0003 R13 .9718 LSA 2389.8 MSA 211.3 S5A 9.9
 BDE 3.0167 BRA 7.3952 BC3 .7905 FSP -333 SGI 5419.1 SG2 312.4 THA 2.27 EL1 2320.6 EL2 206.2 ALF 7.50

LAUNCH DATE DEC 21 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 605.422

RL 147.17 LAL .00 LOL 88.92 VL 25.766 GAL 18.72 AZL 87.50 MCA 317.80 SMA 116.45 ECC .40678 INC 2.5006 V1 30.273
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.264 GAP 23.67 A7P 88.15 TAL 146.62 TAP 104.42 RCA 69.08 APO 163.82 V2 35.047
 RC 213.230 GL 5.93 GP -2.44 ZAL 35.53 ZAP 172.51 ETS 201.64 ZAE 130.57 ETE 182.71 ZAC 133.30 ETC 165.40 CLP 172.91

PLANETOCENTRIC CONIC

C3 106.207 VML 10.306 DLA 24.47 RAL 49.83 RAD 6570.0 VEL 15.085 PTH 2.71 VMP 14.923 DPA 10.50 RAP 38.81 ECC 2.7479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 45 3511.29 -20.23 131.63 309.05 69.75 5 51 16 2911.3 -22.81 123.91
 90.00 0 34 29 4368.07 5.44 181.38 297.64 62.17 1 47 17 3768.1 1.67 174.73
 100.00 6 35 11 3181.04 -22.93 108.39 310.10 70.28 7 28 12 2581.0 -25.41 100.47
 100.00 1 34 44 4173.55 7.97 165.72 296.26 61.09 2 44 18 3573.6 4.05 159.12
 110.00 8 24 23 2839.36 -29.16 84.85 312.52 71.32 9 11 43 2239.4 -31.43 76.38
 110.00 2 2 1 4088.00 13.66 155.85 292.88 58.36 3 10 9 3488.0 9.38 149.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.0261 TRA 8.1014 TC3 -.6180 BAU .8774 SGT 5379.7 SGR 368.9 SG3 96.2 ST 2244.1 SR 351.5 S5 582.2
 RDE .6291 RRA .1922 RC3 .0001 FAU .00151 RRT .5891 RRF .5764 RTF .9761 CRT .8122 CRS -.7734 CST -.9978
 FDE .5734 FRA 1.7450 FC3 -.0123 BSP 18090 SGB 5392.3 R23 -.0004 R13 .9761 LSA 2335.6 MSA 207.8 S5A 9.3
 BDE 3.0908 BRA 8.1037 BC3 .6180 FSP -326 SGI 5384.1 SG2 297.9 THA 2.32 EL1 2262.3 EL2 203.4 ALF 7.31

LAUNCH DATE DEC 21 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.735 GAL 20.69 AZL 87.60 MCA 321.01 SMA 116.28 ECC .43199 INC 2.4030 V1 30.273
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.254 GAP 25.29 AZP 88.13 TAL 145.80 TAP 106.81 RCA 66.05 APO 166.52 V2 35.060
 RC 214.816 GL 5.19 GP -2.41 ZAL 34.38 ZAP 171.38 ETS 198.94 ZAE 130.19 ETE 182.68 ZAC 135.22 ETC 164.94 CLP 171.72

PLANETOCENTRIC CONIC
 C3 124.524 VHL 11.159 DLA 24.02 RAL 51.16 RAD 6570.3 VEL 15.680 PTH 2.79 VMP 15.905 DPA 11.24 RAP 40.72 ECC 3.0494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 5 18 3518.38 -20.06 132.08 312.67 69.59 6 3 56 2918.4 -22.66 124.37
 90.00 0 32 33 4425.53 7.25 184.63 300.64 62.55 1 46 18 3825.5 3.52 177.94
 100.00 6 46 29 3192.14 -22.67 109.11 313.71 69.98 7 39 41 2592.1 -25.20 101.22
 100.00 1 34 3 4227.00 9.71 168.72 299.32 61.59 2 44 30 3627.0 5.84 162.07
 110.00 8 33 54 2856.04 -28.79 86.01 316.13 70.72 9 21 31 2256.0 -31.14 77.60
 110.00 2 3 7 4135.86 15.36 158.53 296.03 59.08 3 12 2 3535.9 11.14 151.96

DIFFERENTIAL CORRECTIONS
 TDE 3.1128 TRA 8.8782 TC3 -.4614 BAU .7682 SGT 5340.7 SGR 358.0 SG3 94.0 ST 2190.2 SR 336.4 SS 595.6
 RDE .6509 RRA .2280 RC3 .0013 FAU-.00025 RRT .6124 RRF .6010 RTF .9800 CRT .8031 CRS -.7682 CST -.9983
 FDE .5825 FRA 1.8602 FC3 .0018 BSP 18046 SGB 5352.7 R23 -.0011 R13 .9800 LSA 2285.6 MSA 202.7 SSA 8.7
 BDE 3.1801 BRA 8.8811 BC3 .4614 FSP -318 SG1 5345.2 SG2 282.7 THA 2.36 EL1 2207.0 EL2 199.0 ALF 7.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.706 GAL 22.92 AZL 87.71 MCA 324.22 SMA 116.13 ECC .46067 INC 2.2908 V1 30.273
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.246 GAP 27.16 AZP 88.14 TAL 145.22 TAP 109.43 RCA 62.63 APO 169.63 V2 35.073
 RC 216.375 GL 4.47 GP -2.39 ZAL 33.42 ZAP 170.13 ETS 196.73 ZAE 129.70 ETE 182.64 ZAC 137.03 ETC 164.43 CLP 170.42

PLANETOCENTRIC CONIC
 C3 147.172 VHL 12.131 DLA 23.55 RAL 52.28 RAD 6570.6 VEL 16.386 PTH 2.86 VMP 17.030 DPA 11.92 RAP 42.54 ECC 3.4221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 6 3524.28 -19.92 132.46 316.03 69.45 6 15 50 2924.3 -22.54 124.77
 90.00 0 29 40 4482.86 9.04 187.90 303.42 63.05 1 44 23 3882.9 5.35 181.16
 100.00 6 57 6 3201.83 -22.45 109.74 317.04 69.72 7 50 28 2601.8 -25.00 101.88
 100.00 1 32 20 4280.55 11.43 171.77 302.16 62.19 2 43 41 3680.6 7.62 165.05
 110.00 8 42 46 2871.25 -28.45 87.06 319.46 70.19 9 30 37 2271.3 -30.87 78.70
 110.00 2 3 10 4183.89 17.02 161.26 298.97 59.90 3 12 54 3583.9 12.89 154.58

DIFFERENTIAL CORRECTIONS
 TDE 3.2234 TRA 9.7374 TC3 -.3195 BAU .6286 SGT 5299.5 SGR 346.2 SG3 92.0 ST 2140.8 SR 320.5 SS 614.2
 RDE .6730 RRA .2660 RC3 .0029 FAU-.00238 RRT .6355 RRF .6254 RTF .9837 CRT .7954 CRS -.7646 CST -.9987
 FDE .5971 FRA 1.9913 FC3 .0140 BSP 17878 SGB 5310.8 R23 -.0018 R13 .9837 LSA 2241.6 MSA 196.1 SSA 8.2
 BDE 3.2929 BRA 9.7411 BC3 .3195 FSP -309 SG1 5304.1 SG2 267.1 THA 2.38 EL1 2156.1 EL2 192.9 ALF 6.85

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.680 GAL 25.44 AZL 87.84 MCA 327.43 SMA 116.00 ECC .49343 INC 2.1595 V1 30.273
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.240 GAP 29.32 AZP 88.18 TAL 144.90 TAP 112.34 RCA 58.76 APO 173.23 V2 35.086
 RC 217.906 GL 3.78 GP -2.36 ZAL 32.69 ZAP 168.74 ETS 194.87 ZAE 129.07 ETE 182.60 ZAC 138.70 ETC 163.90 CLP 168.99

PLANETOCENTRIC CONIC
 C3 175.463 VHL 13.246 DLA 23.03 RAL 53.16 RAD 6570.9 VEL 17.228 PTH 2.94 VMP 18.331 DPA 12.55 RAP 44.25 ECC 3.8877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 5 3528.57 -19.82 132.73 319.08 69.35 6 26 53 2928.6 -22.45 125.05
 90.00 0 25 42 4539.85 10.78 191.18 305.95 63.66 1 41 22 3939.9 7.15 184.37
 100.00 7 6 58 3209.70 -22.26 110.25 320.06 69.52 8 0 28 2609.7 -24.85 102.41
 100.00 1 29 30 4333.95 13.11 174.85 304.75 62.89 2 41 44 3733.9 9.37 168.05
 110.00 8 50 53 2884.59 -28.13 87.97 322.47 69.73 9 38 58 2284.6 -30.63 79.66
 110.00 2 2 4 4231.83 18.63 164.04 301.68 60.81 3 12 36 3631.8 14.60 157.24

DIFFERENTIAL CORRECTIONS
 TDE 3.3535 TRA10.6799 TC3 -.1944 BAU .4560 SGT 5250.4 SGR 333.3 SG3 90.0 ST 2030.9 SR 303.7 SS 637.4
 RDE .6949 RRA .3055 RC3 .0046 FAU-.00489 RRT .6574 RRF .6484 RTF .9870 CRT .7888 CRS -.7618 CST -.9990
 FDE .6162 FRA 2.1388 FC3 .0241 BSP 17826 SGB 5261.0 R23 -.0025 R13 .9870 LSA 2198.9 MSA 188.2 SSA 7.6
 BDE 3.4247 BRA10.6843 BC3 .1944 FSP -303 SG1 5255.0 SG2 251.0 THA 2.40 EL1 2104.7 EL2 185.4 ALF 6.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 21 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC
 RL 147.17 LAL .00 LOL 88.92 VL 25.657 GAL 28.34 AZL 88.00 MCA 330.65 SMA 115.88 ECC .53092 INC 2.0028 V1 30.273
 RP 107.97 LAP -.98 LOP 59.58 VP 36.237 GAP 31.85 AZP 88.25 TAL 144.94 TAP 115.58 RCA 54.36 APO 177.40 V2 35.099
 RC 219.410 GL 3.11 GP -2.33 ZAL 32.21 ZAP 167.18 ETS 193.27 ZAE 128.28 ETE 182.54 ZAC 140.22 ETC 163.36 CLP 167.39

PLANETOCENTRIC CONIC
 C3 211.199 VHL 14.533 DLA 22.48 RAL 53.77 RAD 6571.2 VEL 18.235 PTH 3.02 VMP 19.844 DPA 13.11 RAP 45.80 ECC 4.4758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 10 3530.68 -19.77 132.87 321.75 69.30 6 37 1 2930.7 -22.41 125.19
 90.00 0 20 31 4596.35 12.46 194.47 308.18 64.37 1 37 7 3996.4 8.91 187.59
 100.00 7 16 0 3215.26 -22.13 110.61 322.70 69.37 8 9 35 2615.3 -24.74 102.78
 100.00 1 25 22 4387.01 14.73 177.95 307.04 63.69 2 38 29 3787.0 11.08 171.07
 110.00 8 58 10 2895.58 -27.87 88.72 325.09 69.36 9 46 26 2295.6 -30.42 80.45
 110.00 1 59 41 4279.45 20.19 166.85 304.10 61.81 3 11 0 3679.4 16.26 159.93

DIFFERENTIAL CORRECTIONS
 TDE 3.5154 TRA11.7225 TC3 -.0836 BAU .2368 SGT 5196.0 SGR 319.5 SG3 88.2 ST 2042.7 SR 286.2 SS 667.0
 RDE .7173 RRA .3460 RC3 .0063 FAU-.00805 RRT .6781 RRF .6703 RTF .9899 CRT .7840 CRS -.7605 CST -.9993
 FDE .6422 FRA 2.3074 FC3 .0330 BSP 17737 SGB 5205.8 R23 -.0032 R13 .9899 LSA 2160.4 MSA 179.1 SSA 7.0
 BDE 3.5878 BRA11.7276 BC3 .0839 FSP -298 SG1 5200.5 SG2 234.6 THA 2.39 EL1 2055.1 EL2 176.6 ALF 6.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 2 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.820 GAL -12.49 AZL 86.73 MCA 92.26 SMA 136.39 ECC .22957 INC 3.2683 V1 30.275
 RP 107.75 LAP 3.27 LOP 182.20 VP 38.605 GAP -5.44 AZP 90.13 TAL 237.89 TAP 330.15 RCA 105.08 APO 167.70 V2 35.171
 RC 62.133 GL 13.86 GP 6.04 ZAL 156.15 ZAP 40.63 ETS 351.50 ZAE 159.73 ETE 351.61 ZAC 56.12 ETC 165.50 CLP -40.25

PLANETOCENTRIC CONIC
 C3 44.845 VHL 6.697 CLA -8.29 RAL 289.16 RAD 6568.7 VEL 12.892 PTH 2.35 VMP 5.069 DPA -11.37 RAP 323.43 ECC 1.7380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 56 2155.19 -18.08 37.76 162.16 112.17 2 15 51 1555.2 -14.92 30.51
 90.00 11 32 46 5319.22 27.44 241.73 167.96 82.71 13 1 25 4719.2 26.15 233.30
 100.00 2 57 16 1905.72 -19.38 18.84 161.58 113.21 3 29 2 1305.7 -16.08 11.61
 100.00 12 58 7 5043.92 28.83 221.26 167.75 81.75 14 22 11 4443.9 27.39 212.76
 110.00 3 56 21 1720.70 -22.84 3.10 159.88 116.15 4 25 2 1120.7 -19.14 355.92
 110.00 14 15 31 4801.70 32.59 202.14 167.01 79.05 15 35 35 4201.7 30.73 193.41

DIFFERENTIAL CORRECTIONS
 TOE -.1282 TRA -.4059 TC3 .1980 BAU .1190 SGT 453.4 SGR 394.4 SG3 214.2 ST 152.3 SR 384.8 SS 233.2
 RDE -.4487 RRA .1031 RC3 -.0121 FAU .08412 RRT .0364 RRF -.2261 RTF -.2041 CRT .6706 CRS .8089 CST .1238
 FDE .4775 FRA -1.2926 FC3 -1.6239 BSP 723 SGB 600.9 R23 -.1950 R13 -.2270 LSA 442.1 MSA 172.4 SSA 21.9
 BDE .4666 BRA .4188 BC3 .1984 FSP -605 SG1 454.3 SG2 393.4 THA 7.30 EL1 399.3 EL2 108.9 ALF 73.91

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.869 GAL -12.37 AZL 86.78 MCA 95.49 SMA 136.78 ECC .22672 INC 3.2232 V1 30.275
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.632 GAP -4.71 AZP 90.31 TAL 238.55 TAP 334.04 RCA 105.77 APO 167.79 V2 35.160
 RC 64.180 GL 13.84 GP 6.46 ZAL 156.46 ZAP 45.12 ETS 352.05 ZAE 162.06 ETE 352.98 ZAC 54.79 ETC 165.65 CLP -44.75

PLANETOCENTRIC CONIC
 C3 43.961 VHL 6.630 CLA -8.37 RAL 288.80 RAD 6568.7 VEL 12.858 PTH 2.34 VMP 4.772 DPA -11.34 RAP 322.07 ECC 1.7235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 4 2147.81 -17.89 37.30 161.45 112.32 2 14 52 1547.8 -14.71 30.07
 90.00 11 30 45 5316.58 27.42 241.54 167.26 82.62 12 59 21 4716.6 26.11 233.11
 100.00 2 56 22 1898.47 -19.19 18.39 160.88 113.37 3 28 0 1298.5 -15.86 11.18
 100.00 12 56 9 5041.16 28.81 221.06 167.04 81.65 14 20 10 4441.2 27.35 212.56
 110.00 3 55 22 1713.73 -22.63 2.66 159.17 116.33 4 23 56 1113.7 -18.91 355.51
 110.00 14 13 38 4798.67 32.55 201.91 166.29 78.92 15 33 36 4198.7 30.68 193.19

DIFFERENTIAL CORRECTIONS
 TOE -.1163 TRA -.4284 TC3 .1741 BAU .1023 SGT 451.0 SGR 396.3 SG3 241.0 ST 150.8 SR 385.5 SS 246.6
 RDE -.4448 RRA .1101 RC3 -.0020 FAU .09346 RRT .0114 RRF -.2629 RTF -.1056 CRT .6087 CRS .8056 CST .0369
 FDE .5260 FRA -1.4567 FC3 -1.8404 BSP 632 SGB 600.3 R23 -.2575 R13 -.1157 LSA 445.6 MSA 181.9 SSA 21.9
 BDE .4598 BRA .4423 BC3 .1741 FSP -696 SG1 451.1 SG2 396.1 THA 2.52 EL1 397.3 EL2 116.1 ALF 75.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.906 GAL -12.26 AZL 86.82 MCA 98.72 SMA 137.08 ECC .22421 INC 3.1777 V1 30.275
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.649 GAP -4.02 AZP 90.48 TAL 239.05 TAP 337.77 RCA 106.35 APO 167.82 V2 35.149
 RC 66.268 GL 13.79 GP 6.90 ZAL 156.71 ZAP 49.82 ETS 352.58 ZAE 164.69 ETE 354.78 ZAC 53.26 ETC 165.82 CLP -49.47

PLANETOCENTRIC CONIC
 C3 43.130 VHL 6.567 CLA -8.44 RAL 288.54 RAD 6568.6 VEL 12.826 PTH 2.33 VMP 4.509 DPA -11.35 RAP 320.50 ECC 1.7098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 38 2140.53 -17.71 36.85 160.86 112.47 2 14 18 1540.5 -14.51 29.63
 90.00 11 29 5 5314.25 27.40 241.37 166.66 82.54 12 57 40 4714.2 26.08 232.95
 100.00 2 55 53 1891.32 -18.99 17.95 160.28 113.53 3 27 24 1291.3 -15.65 10.75
 100.00 12 54 32 5038.69 28.78 220.88 166.44 81.56 14 18 30 4438.7 27.32 212.39
 110.00 3 54 47 1706.86 -22.42 2.24 158.57 116.50 4 23 14 1106.9 -18.68 355.10
 110.00 14 12 6 4795.91 32.51 201.70 165.69 78.80 15 32 2 4195.9 30.63 192.99

DIFFERENTIAL CORRECTIONS
 TOE -.1037 TRA -.4594 TC3 .1407 BAU .0813 SGT 454.5 SGR 398.3 SG3 268.9 ST 151.6 SR 385.6 SS 260.2
 RDE -.4405 RRA .1179 RC3 .0097 FAU .10306 RRT -.0279 RRF -.3045 RTF .0222 CRT .5298 CRS .8063 CST -.0590
 FDE .5792 FRA -1.6211 FC3 -2.0687 BSP 515 SGB 604.3 R23 .3007 R13 -.0497 LSA 449.6 MSA 191.5 SSA 21.8
 BDE .4525 BRA .4743 BC3 .1411 FSP -786 SG1 455.0 SG2 397.7 THA 174.05 EL1 394.8 EL2 125.6 ALF 76.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.932 GAL -12.15 AZL 86.87 MCA 101.95 SMA 137.29 ECC .22196 INC 3.1314 V1 30.275
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.658 GAP -3.36 AZP 90.65 TAL 239.39 TAP 341.34 RCA 106.82 APO 167.77 V2 35.138
 RC 68.394 GL 13.74 GP 7.35 ZAL 156.89 ZAP 54.72 ETS 353.12 ZAE 167.59 ETE 357.38 ZAC 51.52 ETC 166.00 CLP -54.38

PLANETOCENTRIC CONIC
 C3 42.334 VHL 6.506 CLA -8.52 RAL 288.36 RAD 6568.6 VEL 12.795 PTH 2.33 VMP 4.280 DPA -11.38 RAP 318.73 ECC 1.6967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 34 2133.27 -17.52 36.40 160.37 112.61 2 14 7 1533.3 -14.30 29.20
 90.00 11 27 47 5312.12 27.38 241.22 166.17 82.47 12 56 19 4712.1 26.05 232.80
 100.00 2 55 37 1884.20 -18.80 17.51 159.79 113.68 3 27 11 1284.2 -15.44 10.33
 100.00 12 53 15 5036.43 28.76 220.72 165.95 81.48 14 17 12 4436.4 27.28 212.23
 110.00 3 54 35 1700.03 -22.21 1.82 158.07 116.67 4 22 55 1100.0 -18.45 354.70
 110.00 14 10 56 4793.36 32.48 201.51 165.20 78.69 15 30 49 4193.4 30.58 192.81

DIFFERENTIAL CORRECTIONS
 TOE -.0889 TRA -.4979 TC3 .0988 BAU .0574 SGT 468.2 SGR 400.7 SG3 297.4 ST 154.4 SR 384.8 SS 272.7
 RDE -.4353 RRA .1267 RC3 .0228 FAU .11285 RRT -.0863 RRF -.3490 RTF .1704 CRT .4293 CRS .8076 CST -.1717
 FDE .6310 FRA -1.7839 FC3 -2.3077 BSP 453 SGB 616.3 R23 .2921 R13 -.2373 LSA 453.2 MSA 201.2 SSA 21.8
 BDE .4443 BRA .5138 BC3 .1014 FSP -879 SG1 472.6 SG2 395.5 THA 165.55 EL1 391.3 EL2 137.1 ALF 78.84

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.947 GAL -12.05 AZL 86.92 MCA 105.17 SMA 137.42 ECC .21991 INC 3.0840 V1 30.275
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.659 GAP -2.73 AZP 90.81 TAL 239.59 TAP 344.76 RCA 107.20 APO 167.64 V2 35.126
 RC 70.553 GL 13.67 GP 7.81 ZAL 157.01 ZAP 59.79 ETS 353.68 ZAE 170.71 ETE 1.70 ZAC 49.61 ETC 166.20 CLP -59.48

PLANETOCENTRIC CONIC
 C3 41.562 VHL 6.447 CLA -8.60 RAL 288.28 RAD 6568.6 VEL 12.764 PTH 2.32 VHP 4.085 DPA -11.43 RAP 316.78 ECC 1.6840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 53 2125.97 -17.32 35.95 159.96 112.75 2 14 19 1526.0 -14.09 28.76
 90.00 11 26 47 5310.13 27.36 241.08 165.77 82.40 12 55 17 4710.1 26.02 232.66
 100.00 2 56 2 1877.03 -18.60 17.07 159.38 113.83 3 27 19 1277.0 -15.23 9.90
 100.00 12 52 19 5034.30 28.74 220.57 165.55 81.40 14 16 13 4434.3 27.25 212.08
 110.00 3 54 45 1693.18 -22.00 1.40 157.67 116.84 4 22 59 1093.2 -18.23 354.30
 110.00 14 10 5 4790.92 32.44 201.33 164.79 78.59 15 29 56 4190.9 30.53 192.63

DIFFERENTIAL CORRECTIONS
 TDE -.0714 TRA -.5433 TC3 .0484 BAU .0341 SGT 496.4 SGR 403.5 SG3 326.2 ST 159.7 SR 383.2 SS 283.5
 RDE -.4292 RRA .1362 RC3 .0376 FAU .12261 RRT -.1624 RRF -.3955 RTF .3247 CRT .3078 CRS .8078 CST -.2992
 FDE .6763 FRA -1.9418 FC3 -2.5540 BSP 523 SGB 639.7 R23 .2532 R13 -.4025 LSA 455.8 MSA 210.8 SSA 21.7
 BDE .4351 BRA .5601 BC3 .0613 FSP -981 SG1 507.5 SG2 389.4 THA 161.05 EL1 386.9 EL2 150.5 ALF 81.38

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.954 GAL -11.94 AZL 86.96 MCA 108.39 SMA 137.48 ECC .21804 INC 3.0352 V1 30.275
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.653 GAP -2.13 AZP 90.96 TAL 239.64 TAP 348.03 RCA 107.50 APO 167.46 V2 35.114
 RC 72.741 GL 13.58 GP 8.28 ZAL 157.07 ZAP 64.99 ETS 354.26 ZAE 173.94 ETE 10.66 ZAC 47.57 ETC 166.42 CLP -64.71

PLANETOCENTRIC CONIC
 C3 40.801 VHL 6.388 CLA -8.69 RAL 288.27 RAD 6568.6 VEL 12.734 PTH 2.32 VHP 3.922 DPA -11.48 RAP 314.70 ECC 1.6715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 32 2118.54 -17.13 35.49 159.64 112.90 2 14 51 1518.5 -13.88 28.32
 90.00 11 26 6 5308.23 27.34 240.94 165.45 82.33 12 54 34 4708.2 26.00 232.53
 100.00 2 56 39 1869.76 -18.40 16.62 159.06 113.98 3 27 49 1269.8 -15.01 9.47
 100.00 12 51 40 5032.25 28.72 220.42 165.23 81.32 14 15 32 4432.2 27.22 211.93
 110.00 3 55 16 1686.22 -21.79 .97 157.34 117.01 4 23 22 1086.2 -17.99 353.90
 110.00 14 9 32 4788.55 32.41 201.15 164.47 78.49 15 29 21 4188.5 30.49 192.46

DIFFERENTIAL CORRECTIONS
 TDE -.0525 TRA -.5960 TC3 -.0112 BAU .0299 SGT 543.1 SGR 406.9 SG3 353.8 ST 168.9 SR 380.7 SS 292.6
 RDE -.4220 RRA .1461 RC3 .0537 FAU .13186 RRT -.2481 RRF -.4434 RTF .4696 CRT .1770 CRS .8085 CST -.4244
 FDE .7155 FRA -2.0853 FC3 -2.7979 BSP 725 SGB 678.6 R23 .2138 R13 -.5372 LSA 458.4 MSA 220.2 SSA 21.6
 BDE .4253 BRA .6136 BC3 .0548 FSP -1081 SG1 561.3 SG2 381.4 THA 159.85 EL1 382.1 EL2 165.6 ALF 84.46

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.953 GAL -11.83 AZL 87.02 MCA 111.61 SMA 137.47 ECC .21629 INC 2.9845 V1 30.275
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.641 GAP -1.57 AZP 91.10 TAL 239.57 TAP 351.18 RCA 107.73 APO 167.20 V2 35.101
 RC 74.954 GL 13.48 GP 8.75 ZAL 157.07 ZAP 70.27 ETS 354.89 ZAE 176.85 ETE 38.43 ZAC 45.44 ETC 166.66 CLP -70.03

PLANETOCENTRIC CONIC
 C3 40.042 VHL 6.328 CLA -8.78 RAL 288.35 RAD 6568.5 VEL 12.705 PTH 2.31 VHP 3.791 DPA -11.54 RAP 312.52 ECC 1.6590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 32 2110.93 -16.93 35.02 159.39 113.05 2 15 43 1510.9 -13.66 27.87
 90.00 11 25 41 5306.36 27.32 240.80 165.21 82.27 12 54 8 4706.4 25.97 232.40
 100.00 2 57 36 1862.30 -18.20 16.16 158.81 114.13 3 28 39 1262.3 -14.78 9.03
 100.00 12 51 18 5030.23 28.70 220.27 164.99 81.25 14 15 8 4430.2 27.19 211.79
 110.00 3 56 7 1679.10 -21.57 .54 157.09 117.19 4 24 6 1079.1 -17.75 353.49
 110.00 14 9 17 4786.20 32.38 200.97 164.22 78.39 15 29 3 4186.2 30.44 192.29

DIFFERENTIAL CORRECTIONS
 TDE -.0332 TRA -.6562 TC3 -.0806 BAU .0573 SGT 610.5 SGR 410.9 SG3 378.5 ST 182.9 SR 377.3 SS 300.6
 RDE -.4140 RRA .1558 RC3 .0706 FAU .13993 RRT -.3335 RRF -.4916 RTF .5917 CRT .0511 CRS .8122 CST -.5308
 FDE .7512 FRA -2.2015 FC3 -3.0255 BSP 1030 SGB 735.9 R23 .1838 R13 -.6433 LSA 461.8 MSA 228.9 SSA 21.5
 BDE .4153 BRA .6744 BC3 .1071 FSP -1163 SG1 634.5 SG2 372.7 THA 160.31 EL1 377.4 EL2 182.6 ALF 88.15

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.944 GAL -11.72 AZL 87.07 MCA 114.83 SMA 137.40 ECC .21465 INC 2.9316 V1 30.275
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.623 GAP -1.02 AZP 91.23 TAL 239.37 TAP 354.20 RCA 107.90 APO 166.89 V2 35.089
 RC 77.191 GL 13.37 GP 9.21 ZAL 157.03 ZAP 75.58 ETS 355.56 ZAE 177.01 ETE 112.23 ZAC 43.27 ETC 166.94 CLP -75.39

PLANETOCENTRIC CONIC
 C3 39.280 VHL 6.267 CLA -8.87 RAL 288.49 RAD 6568.5 VEL 12.675 PTH 2.30 VHP 3.690 DPA -11.57 RAP 310.31 ECC 1.6465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 52 2103.05 -16.72 34.54 159.21 113.19 2 16 55 1503.0 -13.43 27.40
 90.00 11 25 32 5304.55 27.31 240.67 165.03 82.20 12 53 56 4704.5 25.95 232.27
 100.00 2 58 53 1854.57 -17.98 15.69 158.62 114.29 3 29 47 1254.6 -14.55 8.58
 100.00 12 51 12 5028.25 28.68 220.13 164.81 81.17 14 15 0 4428.3 27.16 211.65
 110.00 3 57 17 1671.72 -21.34 .09 156.90 117.36 4 25 8 1071.7 -17.50 353.06
 110.00 14 9 17 4783.87 32.35 200.80 164.03 78.29 15 29 1 4183.9 30.40 192.13

DIFFERENTIAL CORRECTIONS
 TDE -.0126 TRA -.7213 TC3 -.1577 BAU .0950 SGT 696.2 SGR 415.3 SG3 400.5 ST 200.6 SR 372.6 SS 305.6
 RDE -.4045 RRA .1654 RC3 .0886 FAU .14695 RRT -.4144 RRF -.5385 RTF .6853 CRT -.0662 CRS .8137 CST -.6247
 FDE .7720 FRA -2.2951 FC3 -3.2388 BSP 1389 SGB 810.6 R23 .1608 R13 -.7225 LSA 464.7 MSA 236.9 SSA 21.4
 BDE .4047 BRA .7400 BC3 .1809 FSP -1247 SG1 724.8 SG2 363.0 THA 161.25 EL1 372.9 EL2 200.0 ALF 92.87

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 22 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 253.862

RL 147.16 LAL .00 LOL 89.94 VL 28.928 GAL -11.60 AZL 87.12 HCA 118.04 SMA 137.27 ECC .21310 INC 2.8759 V1 30.275
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.600 GAP -.51 A7P 91.35 TAL 239.06 TAP 357.10 RCA 108.02 APO 166.52 V2 35.076
 RC 79.446 GL 13.24 GP 9.66 ZAL 156.93 ZAP 80.86 ETS 356.27 ZAE 174.05 ETE 143.33 ZAC 41.14 ETC 167.24 CLP -80.72

PLANETOCENTRIC CONIC

C3 38.510 VHL 6.206 DLA -8.97 RAL 288.71 RAD 6568.5 VEL 12.644 PTH 2.30 VHP 3.616 DPA -11.59 RAP 308.13 ECC 1.6338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 31 2094.80 -16.49 34.04 159.08 113.35 2 18 26 1494.8 -13.19 26.91
 90.00 11 25 36 5302.78 27.29 240.55 164.92 82.14 12 53 58 4702.8 25.92 232.15
 100.00 3 0 29 1846.50 -17.75 15.20 158.50 114.45 3 31 15 1246.5 -14.31 8.10
 100.00 12 51 19 5026.31 28.66 219.99 164.69 81.10 14 15 5 4426.3 27.13 211.52
 110.00 3 58 45 1664.03 -21.10 359.62 156.77 117.54 4 26 29 1064.0 -17.24 352.62
 110.00 14 9 32 4781.55 32.32 200.63 163.91 78.20 15 29 13 4181.6 30.35 191.96

DIFFERENTIAL CORRECTIONS

TOE .0075 TRA -.7914 TC3 -.2429 BAU .1366
 ROE -.3939 RRA .1741 RC3 .1068 FAU .15212
 FDE .7866 FRA-2.3510 FC3-3.4199 BSP 1799
 BDE .3940 BRA .8103 BC3 .2654 FSP -1305

MID-COURSE EXECUTION ACCURACY

SGT 798.8 SGR 419.9 SG3 417.7
 RRT -.4856 RRF -.5835 RTF .7536
 SGB 902.5 R23 .1460 R13 -.7801
 SG1 830.5 SG2 353.1 TMA 162.40

ORBIT DETERMINATION ACCURACY

ST 222.2 SR 367.0 SS 309.0
 CRT -.1640 CRS .8178 CST -.6937
 LSA 468.7 MSA 243.7 SSA 21.2
 EL1 369.7 EL2 217.5 ALF 98.71

LAUNCH DATE DEC 22 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 260.243

RL 147.16 LAL .00 LOL 89.94 VL 28.907 GAL -11.48 AZL 87.18 HCA 121.26 SMA 137.09 ECC .21161 INC 2.8168 V1 30.275
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.572 GAP -.02 A7P 91.46 TAL 238.64 TAP 359.89 RCA 108.08 APO 166.10 V2 35.063
 RC 81.719 GL 13.10 GP 10.11 ZAL 156.79 ZAP 86.04 ETS 357.04 ZAE 170.57 ETE 152.88 ZAC 39.08 ETC 167.58 CLP -85.98

PLANETOCENTRIC CONIC

C3 37.728 VHL 6.142 DLA -9.08 RAL 288.99 RAD 6568.5 VEL 12.613 PTH 2.29 VHP 3.569 DPA -11.56 RAP 306.03 ECC 1.6209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 30 2086.07 -16.26 33.51 159.01 113.51 2 20 16 1486.1 -12.94 26.40
 90.00 11 25 51 5301.14 27.28 240.43 164.85 82.08 12 54 12 4701.1 25.90 232.03
 100.00 3 2 25 1837.96 -17.51 14.68 158.43 114.62 3 33 3 1238.0 -14.05 7.60
 100.00 12 51 38 5024.48 28.64 219.85 164.63 81.04 14 15 22 4424.5 27.10 211.39
 110.00 4 0 33 1655.90 -20.84 359.13 156.70 117.73 4 28 9 1055.9 -16.97 352.15
 110.00 14 9 58 4779.31 32.28 200.46 163.85 78.10 15 29 38 4179.3 30.31 191.80

DIFFERENTIAL CORRECTIONS

TDE .0275 TRA -.8635 TC3 -.3339 BAU .1801
 ROE -.3809 RRA .1830 RC3 .1265 FAU .15654
 FDE .7658 FRA-2.3951 FC3-3.5921 BSP 2234
 BDE .3819 BRA .8827 BC3 .3571 FSP -1396

MID-COURSE EXECUTION ACCURACY

SGT 913.4 SGR 424.6 SG3 432.9
 RRT -.5516 RRF -.6256 RTF .8028
 SGB 1007.3 R23 .1322 R13 -.8217
 SG1 947.7 SG2 341.4 TMA 163.40

ORBIT DETERMINATION ACCURACY

ST 246.4 SR 359.1 SS 306.6
 CRT -.2471 CRS .8112 CST -.7596
 LSA 469.9 MSA 249.8 SSA 21.2
 EL1 367.9 EL2 233.0 ALF 106.32

LAUNCH DATE DEC 22 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 266.587

RL 147.16 LAL .00 LOL 89.94 VL 28.880 GAL -11.35 AZL 87.25 HCA 124.47 SMA 136.87 ECC .21018 INC 2.7536 V1 30.275
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.539 GAP .45 A7P 91.56 TAL 238.12 TAP 359.89 RCA 108.10 APO 165.64 V2 35.050
 RC 84.008 GL 12.94 GP 10.55 ZAL 156.61 ZAP 91.07 ETS 357.86 ZAE 167.07 ETE 157.24 ZAC 37.16 ETC 167.98 CLP -91.09

PLANETOCENTRIC CONIC

C3 36.927 VHL 6.077 DLA -9.20 RAL 289.34 RAD 6568.4 VEL 12.582 PTH 2.28 VHP 3.545 DPA -11.49 RAP 304.08 ECC 1.6077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 50 2076.75 -16.00 32.94 158.99 113.68 2 22 27 1476.8 -12.67 25.85
 90.00 11 26 16 5299.62 27.26 240.32 164.84 82.03 12 54 36 4699.6 25.88 231.93
 100.00 3 4 41 1828.85 -17.25 14.13 158.41 114.80 3 35 10 1228.9 -13.77 7.07
 100.00 12 52 7 5022.75 28.62 219.73 164.62 80.97 14 15 50 4422.8 27.07 211.27
 110.00 4 2 41 1647.25 -20.57 358.61 156.67 117.93 4 30 8 1047.2 -16.67 351.65
 110.00 14 10 36 4777.12 32.25 200.30 163.83 78.01 15 30 13 4177.1 30.27 191.65

DIFFERENTIAL CORRECTIONS

TDE .0452 TRA -.9383 TC3 -.4318 BAU .2248
 ROE -.3685 RRA .1889 RC3 .1444 FAU .15728
 FDE .7739 FRA-2.3646 FC3-3.6874 BSP 2696
 BDE .3713 BRA .9572 BC3 .4553 FSP -1386

MID-COURSE EXECUTION ACCURACY

SGT 1039.5 SGR 429.0 SG3 438.2
 RRT -.6023 RRF -.6653 RTF .8361
 SGB 1124.5 R23 .1308 R13 -.8503
 SG1 1074.6 SG2 331.3 TMA 164.54

ORBIT DETERMINATION ACCURACY

ST 272.7 SR 351.7 SS 307.7
 CRT -.3071 CRS .8233 CST -.7862
 LSA 477.5 MSA 253.6 SSA 20.9
 EL1 370.7 EL2 246.2 ALF 115.04

LAUNCH DATE DEC 22 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 272.896

RL 147.16 LAL .00 LOL 89.94 VL 28.848 GAL -11.22 AZL 87.31 HCA 127.67 SMA 136.61 ECC .20880 INC 2.6854 V1 30.275
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.503 GAP .89 A7P 91.64 TAL 237.51 TAP 359.89 RCA 108.09 APO 165.14 V2 35.036
 RC 86.309 GL 12.75 GP 10.99 ZAL 156.39 ZAP 95.90 ETS 358.73 ZAE 163.65 ETE 159.69 ZAC 35.42 ETC 168.44 CLP -96.01

PLANETOCENTRIC CONIC

C3 36.111 VHL 6.009 DLA -9.34 RAL 289.74 RAD 6568.4 VEL 12.549 PTH 2.27 VHP 3.542 DPA -11.35 RAP 302.30 ECC 1.5943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 33 2066.67 -15.73 32.33 159.02 113.86 2 25 0 1466.7 -12.37 25.26
 90.00 11 26 48 5298.41 27.25 240.23 164.89 81.99 12 55 6 4698.4 25.86 231.84
 100.00 3 7 19 1819.01 -16.97 13.53 158.43 114.98 3 37 38 1219.0 -13.46 6.49
 100.00 12 52 43 5021.30 28.60 219.62 164.66 80.92 14 16 24 4421.3 27.05 211.16
 110.00 4 5 9 1637.92 -20.27 358.05 156.69 118.13 4 32 27 1037.9 -16.35 351.12
 110.00 14 11 23 4775.15 32.22 200.15 163.87 77.93 15 30 58 4175.1 30.23 191.50

DIFFERENTIAL CORRECTIONS

TDE .0613 TRA -1.0126 TC3 -.5337 BAU .2695
 ROE -.3536 RRA .1946 RC3 .1636 FAU .15736
 FDE .7482 FRA-2.3258 FC3-3.7725 BSP 3171
 BDE .3589 BRA 1.0311 BC3 .5582 FSP -1407

MID-COURSE EXECUTION ACCURACY

SGT 1171.4 SGR 433.2 SG3 441.5
 RRT -.6498 RRF -.7021 RTF .8601
 SGB 1249.0 R23 .1290 R13 -.8710
 SG1 1207.4 SG2 319.5 TMA 165.45

ORBIT DETERMINATION ACCURACY

ST 299.9 SR 341.9 SS 303.2
 CRT -.3547 CRS .8245 CST -.8149
 LSA 482.4 MSA 256.3 SSA 20.8
 EL1 377.1 EL2 254.2 ALF 124.83

LAUNCH DATE DEC 22 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 279.173

RL 147.16 LAL .00 LOL 89.94 VL 28.812 GAL -11.08 AZL 87.39 MCA 130.88 SMA 136.32 ECC .20747 INC 2.6110 V1 30.275
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.464 GAP 1.32 A7P 91.71 TAL 236.82 TAP 7.70 RCA 108.04 APO 164.60 V2 35.023
 RC 88.623 GL 12.53 GP 11.45 ZAL 156.13 ZAP 100.51 ETS 359.67 ZAE 160.39 ETE 161.20 ZAC 33.90 ETC 169.00 CLP-100.72

PLANETOCENTRIC CONIC

C3 35.275 VHL 5.939 DLA -9.50 RAL 290.21 RAD 6568.4 VEL 12.516 PTH 2.27 VHP 3.557 DPA -11.15 RAP 300.74 ECC 1.5805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 40 2055.62 -15.42 31.66 159.09 114.05 2 27 56 1455.6 -12.04 24.61
 90.00 11 27 24 5297.61 27.24 240.18 164.98 81.96 12 55 42 4697.6 25.85 231.79
 100.00 3 10 21 1808.24 -16.66 12.88 158.50 115.18 3 40 29 1208.2 -13.13 5.87
 100.00 12 53 24 5020.23 28.59 219.55 164.75 80.88 14 17 5 4420.2 27.03 211.09
 110.00 4 7 59 1627.76 -19.94 357.44 156.76 118.36 4 35 7 1027.8 -16.00 350.54
 110.00 14 12 15 4773.48 32.20 200.02 163.96 77.86 15 31 49 4173.5 30.19 191.39

DIFFERENTIAL CORRECTIONS

TOE .0748 TRA-1.0853 TC3 -.6393 BAU .3136
 RDE -.3378 RRA .1987 RC3 .1826 FAU .15557
 FDE .7184 FRA-2.2537 FC3-3.8181 BSP 3648
 BDE .3460 BRA 1.1034 BC3 .6649 FSP -1402

MID-COURSE EXECUTION ACCURACY

SGT 1307.3 SGR 437.1 SG3 439.8
 RRT -.6906 RRF -.7363 RTF .8768
 SGB 1378.4 R23 .1315 R13 -.8856
 SG1 1343.6 SG2 307.6 THA 166.26

ORBIT DETERMINATION ACCURACY

ST 327.3 SR 331.1 SS 297.3
 CRT -.3897 CRS .8281 CST -.8327
 LSA 488.5 MSA 257.2 SSA 20.6
 EL1 388.2 EL2 257.2 ALF 134.15

LAUNCH DATE DEC 22 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 285.417

RL 147.16 LAL .00 LOL 89.94 VL 28.772 GAL -10.94 AZL 87.47 MCA 134.08 SMA 135.99 ECC .20617 INC 2.5292 V1 30.275
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.422 GAP 1.73 A7P 91.76 TAL 236.04 TAP 10.13 RCA 107.96 APO 164.03 V2 35.010
 RC 90.946 GL 12.27 GP 11.94 ZAL 155.83 ZAP 104.85 ETS .67 ZAE 157.29 ETE 162.15 ZAC 32.60 ETC 169.66 CLP-105.19

PLANETOCENTRIC CONIC

C3 34.419 VHL 5.867 DLA -9.68 RAL 290.73 RAD 6568.4 VEL 12.482 PTH 2.26 VHP 3.589 DPA -10.87 RAP 299.41 ECC 1.5664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 15 2043.37 -15.08 30.92 159.20 114.25 2 31 18 1443.4 -11.68 23.90
 90.00 11 28 0 5297.47 27.24 240.17 165.12 81.96 12 56 18 4697.5 25.85 231.78
 100.00 3 13 50 1796.31 -16.31 12.17 158.60 115.40 3 43 46 1196.3 -12.76 5.18
 100.00 12 54 7 5019.75 28.59 219.51 164.89 80.86 14 17 47 4419.8 27.03 211.06
 110.00 4 11 14 1616.55 -19.58 356.78 156.86 118.60 4 38 11 1016.5 -15.61 349.91
 110.00 14 13 12 4772.29 32.18 199.94 164.10 77.81 15 32 44 4172.3 30.17 191.30

DIFFERENTIAL CORRECTIONS

TOE .0849 TRA-1.1557 TC3 -.7485 BAU .3568
 RDE -.3205 RRA .2020 RC3 .2025 FAU .15276
 FDE .6746 FRA-2.1652 FC3-3.8423 BSP 4134
 BDE .3315 BRA 1.1733 BC3 .7754 FSP -1395

MID-COURSE EXECUTION ACCURACY

SGT 1445.5 SGR 441.0 SG3 435.1
 RRT -.7275 RRF -.7685 RTF .8889
 SGB 1511.2 R23 .1364 R13 -.8961
 SG1 1482.1 SG2 295.1 THA 166.96

ORBIT DETERMINATION ACCURACY

ST 354.4 SR 318.8 SS 288.6
 CRT -.4139 CRS .8284 CST -.8465
 LSA 494.3 MSA 256.4 SSA 20.5
 EL1 402.3 EL2 255.6 ALF 142.18

LAUNCH DATE DEC 22 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 291.630

RL 147.16 LAL .00 LOL 89.94 VL 28.728 GAL -10.79 AZL 87.56 MCA 137.28 SMA 135.65 ECC .20491 INC 2.4380 V1 30.275
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.377 GAP 2.11 A7P 91.79 TAL 235.20 TAP 12.48 RCA 107.85 APO 163.44 V2 34.996
 RC 93.279 GL 11.96 GP 12.47 ZAL 155.50 ZAP 108.93 ETS 1.76 ZAE 154.40 ETE 162.71 ZAC 31.55 ETC 170.47 CLP-109.40

PLANETOCENTRIC CONIC

C3 33.541 VHL 5.791 DLA -9.91 RAL 291.32 RAD 6568.3 VEL 12.446 PTH 2.25 VHP 3.635 DPA -10.49 RAP 298.34 ECC 1.5520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 23 2029.56 -14.69 30.09 159.35 114.48 2 35 12 1429.6 -11.27 23.09
 90.00 11 28 33 5298.24 27.25 240.22 165.31 81.98 12 56 51 4698.2 25.86 231.83
 100.00 3 17 50 1782.90 -15.92 11.36 158.75 115.64 3 47 33 1182.9 -12.34 4.40
 100.00 12 54 47 5020.13 28.59 219.54 165.08 80.88 14 18 27 4420.1 27.03 211.08
 110.00 4 14 58 1603.99 -19.17 356.04 157.00 118.86 4 41 42 1004.0 -15.17 349.20
 110.00 14 14 8 4771.80 32.18 199.90 164.30 77.79 15 33 40 4171.8 30.16 191.27

DIFFERENTIAL CORRECTIONS

TOE .0915 TRA-1.2222 TC3 -.8603 BAU .3985
 RDE -.3024 RRA .2037 RC3 .2229 FAU .14862
 FDE .6294 FRA-2.0530 FC3-3.8360 BSP 4608
 BDE .3159 BRA 1.2390 BC3 .8887 FSP -1366

MID-COURSE EXECUTION ACCURACY

SGT 1583.6 SGR 444.9 SG3 426.6
 RRT -.7598 RRF -.7988 RTF .8971
 SGB 1644.9 R23 .1456 R13 -.9034
 SG1 1620.5 SG2 282.7 THA 167.56

ORBIT DETERMINATION ACCURACY

ST 380.4 SR 305.5 SS 278.8
 CRT -.4296 CRS .8307 CST -.8533
 LSA 500.8 MSA 254.1 SSA 20.3
 EL1 418.5 EL2 250.7 ALF 148.61

LAUNCH DATE DEC 22 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 297.814

RL 147.16 LAL .00 LOL 89.94 VL 28.681 GAL -10.63 AZL 87.66 MCA 140.48 SMA 135.27 ECC .20369 INC 2.3351 V1 30.275
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.330 GAP 2.48 A7P 91.80 TAL 234.29 TAP 14.77 RCA 107.72 APO 162.83 V2 34.983
 RC 95.621 GL 11.60 GP 13.07 ZAL 155.15 ZAP 112.72 ETS 2.96 ZAE 151.70 ETE 162.97 ZAC 30.75 ETC 171.46 CLP-113.36

PLANETOCENTRIC CONIC

C3 32.642 VHL 5.713 DLA -10.18 RAL 291.96 RAD 6568.3 VEL 12.410 PTH 2.24 VHP 3.693 DPA -10.00 RAP 297.50 ECC 1.5372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 10 2013.75 -14.24 29.15 159.54 114.73 2 39 44 1413.7 -10.79 22.17
 90.00 11 28 55 5300.36 27.27 240.37 165.56 82.06 12 57 15 4700.4 25.89 231.98
 100.00 3 22 28 1767.59 -15.47 10.45 158.94 115.90 3 51 55 1167.6 -11.86 3.52
 100.00 12 55 18 5021.75 28.61 219.66 165.34 80.94 14 18 59 4421.8 27.06 211.20
 110.00 4 19 15 1589.74 -18.70 355.20 157.18 119.15 4 45 45 989.7 -14.67 348.40
 110.00 14 14 59 4772.36 32.19 199.94 164.56 77.81 15 34 32 4172.4 30.17 191.31

DIFFERENTIAL CORRECTIONS

TOE .0934 TRA-1.2843 TC3 -.9755 BAU .4389
 RDE -.2829 RRA .2046 RC3 .2449 FAU .14389
 FDE .5732 FRA-1.9330 FC3-3.8163 BSP 5084
 BDE .2979 BRA 1.3005 BC3 1.0058 FSP -1339

MID-COURSE EXECUTION ACCURACY

SGT 1721.5 SGR 449.7 SG3 416.4
 RRT -.7895 RRF -.8277 RTF .9030
 SGB 1779.3 R23 .1575 R13 -.9086
 SG1 1758.7 SG2 270.1 THA 168.06

ORBIT DETERMINATION ACCURACY

ST 405.0 SR 290.6 SS 266.3
 CRT -.4367 CRS .8291 CST -.8585
 LSA 506.5 MSA 249.8 SSA 20.1
 EL1 435.0 EL2 243.4 ALF 153.86

LAUNCH DATE DEC 22 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 303.970

RL 147.16 LAL .00 LOL 89.94 VL 28.632 GAL -10.47 AZL 87.78 HCA 143.68 SMA 134.89 ECC .20251 INC 2.2174 VI 30.275
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.282 GAP 2.84 AZP 91.79 TAL 233.31 TAP 16.99 RCA 107.57 APO 162.20 V2 34.970
 RC 97.969 GL 11.15 GP 13.78 ZAL 154.76 ZAP 116.23 ETS 4.29 ZAE 149.18 ETE 162.97 ZAC 30.19 ETC 172.67 CLP-117.07

PLANETOCENTRIC CONIC

C3 31.721 VHL 5.632 OLA -10.52 RAL 292.67 RAD 6568.3 VEL 12.373 PTH 2.23 VHP 3.763 CPA -9.37 RAP 296.90 ECC 1.5221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 46 1995.32 -13.72 28.05 159.77 115.02 2 45 1 1395.3 -10.23 21.11
 90.00 11 28 58 5304.38 27.31 240.66 165.88 82.20 12 57 22 4704.4 25.94 232.26
 100.00 3 27 52 1749.78 -14.93 9.40 159.16 116.20 3 57 2 1149.8 -11.29 2.50
 100.00 12 55 33 5025.15 28.64 219.90 165.66 81.06 14 19 18 4425.1 27.11 211.43
 110.00 4 24 14 1573.28 -18.15 354.24 157.39 119.48 4 50 27 973.3 -14.08 347.48
 110.00 14 15 40 4774.41 32.21 200.09 164.89 77.89 15 35 15 4174.4 30.21 191.45

DIFFERENTIAL CORRECTIONS

TDE .0896 TRA-1.3415 TC3-1.0948 BAU .4781
 RDE -.2622 RRA .2046 RC3 .2689 FAU .13862
 FDE .5102 FRA-1.8052 FC3-3.7832 BSP 5567
 BDE .2771 BRA 1.3570 BC3 1.1273 FSP -1308

MID-COURSE EXECUTION ACCURACY

SGT 1858.9 SGR 455.7 SG3 404.5
 RRT -.8163 RRF -.8551 RTF .9072
 SGB 1914.0 R23 .1731 R13 -.9123
 SG1 1896.5 SG2 258.0 THA 168.47

ORBIT DETERMINATION ACCURACY

ST 427.9 SR 274.4 SS 251.8
 CRT -.4352 CRS .8246 CST -.8612
 LSA 511.8 MSA 243.8 SSA 19.9
 EL1 451.0 EL2 234.3 ALF 158.26

LAUNCH DATE DEC 22 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 310.100

RL 147.16 LAL .00 LOL 89.94 VL 28.580 GAL -10.30 AZL 87.92 HCA 146.87 SMA 134.48 ECC .20137 INC 2.0806 VI 30.275
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.231 GAP 3.18 AZP 91.74 TAL 232.28 TAP 19.15 RCA 107.40 APO 161.56 V2 34.957
 RC 100.323 GL 10.60 GP 14.61 ZAL 154.36 ZAP 119.45 ETS 5.80 ZAE 146.84 ETE 162.72 ZAC 29.87 ETC 174.13 CLP-120.53

PLANETOCENTRIC CONIC

C3 30.777 VHL 5.548 OLA -10.95 RAL 293.45 RAD 6568.2 VEL 12.335 PTH 2.22 VHP 3.844 CPA -8.58 RAP 296.52 ECC 1.5065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 25 1973.40 -13.08 26.76 160.05 115.34 2 51 18 1373.4 -9.56 19.85
 90.00 11 28 31 5311.11 27.37 241.15 166.28 82.43 12 57 2 4711.1 26.04 232.73
 100.00 3 34 16 1728.67 -14.30 8.16 159.44 116.53 4 3 5 1128.7 -10.62 1.30
 100.00 12 55 21 5031.07 28.70 220.33 166.06 81.28 14 19 12 4431.1 27.20 211.85
 110.00 4 30 5 1553.90 -17.49 353.11 157.66 119.85 4 55 59 953.9 -13.39 346.40
 110.00 14 16 2 4778.60 32.27 200.41 165.31 78.07 15 35 41 4178.6 30.29 191.75

DIFFERENTIAL CORRECTIONS

TDE .0805 TRA-1.3915 TC3-1.2169 BAU .5152
 RDE -.2410 RRA .2030 RC3 .2949 FAU .13262
 FDE .4479 FRA-1.6647 FC3-3.7304 BSP 6016
 BDE .2541 BRA 1.4062 BC3 1.2522 FSP -1259

MID-COURSE EXECUTION ACCURACY

SGT 1993.2 SGR 463.3 SG3 390.4
 RRT -.8394 RRF -.8808 RTF .9095
 SGB 2046.3 R23 .1938 R13 -.9145
 SG1 2031.3 SG2 247.0 THA 168.79

ORBIT DETERMINATION ACCURACY

ST 448.8 SR 257.2 SS 236.1
 CRT -.4265 CRS .8205 CST -.8594
 LSA 516.8 MSA 236.3 SSA 19.7
 EL1 466.3 EL2 223.9 ALF 161.97

LAUNCH DATE DEC 22 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 316.205

RL 147.16 LAL .00 LOL 89.94 VL 28.526 GAL -10.12 AZL 88.08 HCA 150.06 SMA 134.06 ECC .20028 INC 1.9182 VI 30.275
 RP 108.44 LAP .96 LOP 240.01 VP 38.180 GAP 3.50 AZP 91.66 TAL 231.19 TAP 21.25 RCA 107.21 APO 160.91 V2 34.945
 RC 102.682 GL 9.91 GP 15.63 ZAL 153.93 ZAP 122.37 ETS 7.54 ZAE 144.64 ETE 162.22 ZAC 29.78 ETC 175.90 CLP-123.77

PLANETOCENTRIC CONIC

C3 29.811 VHL 5.460 OLA -11.51 RAL 294.31 RAD 6568.2 VEL 12.296 PTH 2.21 VHP 3.934 CPA -7.58 RAP 296.34 ECC 1.4906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 28 1946.71 -12.30 25.19 160.38 115.71 2 58 55 1346.7 -8.74 18.32
 90.00 11 27 17 5321.78 27.46 241.91 166.78 82.00 12 55 59 4721.8 26.18 233.48
 100.00 3 41 59 1703.05 -13.51 6.66 159.77 116.92 4 10 22 1103.1 -9.79 359.84
 100.00 12 54 27 5040.67 28.80 221.03 166.58 81.63 14 18 28 4440.7 27.35 212.53
 110.00 4 37 4 1530.57 -16.70 351.77 157.97 120.27 5 2 35 930.6 -12.55 345.12
 110.00 14 15 52 4785.93 32.38 200.95 165.84 78.38 15 35 37 4185.9 30.44 192.27

DIFFERENTIAL CORRECTIONS

TDE .0628 TRA-1.4349 TC3-1.3449 BAU .5515
 RDE -.2180 RRA .2010 RC3 .3252 FAU .12655
 FDE .3732 FRA-1.5258 FC3-3.6752 BSP 6485
 BDE .2269 BRA 1.4490 BC3 1.3837 FSP -1219

MID-COURSE EXECUTION ACCURACY

SGT 2126.7 SGR 474.1 SG3 375.9
 RRT -.8602 RRF -.9048 RTF .9112
 SGB 2178.9 R23 .2179 R13 -.9160
 SG1 2165.9 SG2 237.4 THA 169.01

ORBIT DETERMINATION ACCURACY

ST 467.8 SR 238.0 SS 217.2
 CRT -.4070 CRS .8060 CST -.8603
 LSA 520.8 MSA 225.8 SSA 19.6
 EL1 480.2 EL2 211.7 ALF 165.40

LAUNCH DATE DEC 22 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 322.285

RL 147.16 LAL .00 LOL 89.94 VL 28.471 GAL -9.93 AZL 88.28 HCA 153.25 SMA 133.64 ECC .19922 INC 1.7210 VI 30.275
 RP 108.48 LAP .77 LOP 243.20 VP 38.127 GAP 3.81 AZP 91.54 TAL 230.05 TAP 23.30 RCA 107.01 APO 160.26 V2 34.932
 RC 105.043 GL 9.03 GP 16.90 ZAL 153.49 ZAP 124.97 ETS 9.58 ZAE 142.54 ETE 161.42 ZAC 29.93 ETC 178.06 CLP-126.80

PLANETOCENTRIC CONIC

C3 28.821 VHL 5.368 OLA -12.25 RAL 295.25 RAD 6568.2 VEL 12.255 PTH 2.20 VHP 4.037 CPA -6.30 RAP 296.32 ECC 1.4743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 36 27 1913.33 -11.30 23.24 160.80 116.14 3 8 20 1313.3 -7.70 16.41
 90.00 11 24 49 5338.26 27.60 243.10 167.42 83.39 12 53 48 4738.3 26.39 234.64
 100.00 3 51 31 1671.13 -12.52 4.81 160.17 117.37 4 19 23 1071.1 -8.75 358.04
 100.00 12 52 26 5055.70 28.95 222.12 167.23 82.19 14 16 42 4455.7 27.56 213.59
 110.00 4 45 37 1501.73 -15.70 350.13 158.35 120.76 5 10 38 901.7 -11.51 343.54
 110.00 14 14 50 4797.85 32.54 201.85 166.53 78.89 15 34 48 4197.9 30.66 193.13

DIFFERENTIAL CORRECTIONS

TDE .0364 TRA-1.4685 TC3-1.4772 BAU .5858
 RDE -.1940 RRA .1972 RC3 .3597 FAU .11995
 FDE .2962 FRA-1.3776 FC3-3.6031 BSP 6909
 BDE .1974 BRA 1.4817 BC3 1.5203 FSP -1162

MID-COURSE EXECUTION ACCURACY

SGT 2255.9 SGR 488.3 SG3 359.7
 RRT -.8770 RRF -.9266 RTF .9116
 SGB 2308.2 R23 .2471 R13 -.9165
 SG1 2296.6 SG2 230.5 THA 169.14

ORBIT DETERMINATION ACCURACY

ST 485.0 SR 217.2 SS 196.4
 CRT -.3766 CRS .7845 CST -.8602
 LSA 524.8 MSA 212.8 SSA 19.5
 EL1 493.3 EL2 197.9 ALF 168.56

LAUNCH DATE DEC 22 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 328.343

RL 147.16 LAL .00 LOL 89.94 VL 28.414 GAL -9.74 AZL 88.52 HCA 156.43 SMA 133.20 ECC .19822 INC 1.4753 V1 30.275
 RP 108.52 LAP .59 LOP 246.38 VP 38.073 GAP 4.11 A7P 91.35 TAL 228.86 TAP 25.29 RCA 106.80 APO 159.61 V2 34.920
 RC 107.406 GL 7.86 GP 18.51 ZAL 153.04 ZAP 127.23 ETS 12.05 ZAE 140.48 ETE 160.28 ZAC 30.32 ETC 180.70 CLP-129.64

PLANETOCENTRIC CONIC

C3 27.810 VHL 5.273 OLA -13.26 RAL 296.30 RAD 6568.1 VEL 12.214 PTH 2.19 VHP 4.153 DPA -4.66 RAP 296.43 ECC 1.4577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 16 1870.15 -10.00 20.74 161.33 116.63 3 20 26 1270.1 -6.34 13.97
 90.00 11 20 24 5363.62 27.78 244.93 168.25 84.29 12 49 48 4763.6 26.70 236.43
 100.00 4 3 41 1630.02 -11.22 2.44 160.69 117.89 4 30 51 1030.0 -7.40 355.74
 100.00 12 48 40 5078.99 29.15 223.82 168.08 83.06 14 13 19 4479.0 27.88 215.25
 110.00 4 56 23 1464.98 -14.41 348.07 158.83 121.34 5 20 48 865.0 -10.16 341.55
 110.00 14 12 28 4816.79 32.78 203.27 167.44 79.70 15 32 44 4216.8 31.01 194.50

DIFFERENTIAL CORRECTIONS

TDE -.0052 TRA-1.4931 TC3-1.6186 BAU .6200
 RDE -.1671 RRA .1927 RC3 .4017 FAU .11331
 FDE .2017 FRA-1.2317 FC3-3.5275 BSP 7369
 BDE .1672 BRA 1.5054 BC3 1.6677 FSP -1114

MID-COURSE EXECUTION ACCURACY

SGT 2385.8 SGR 508.7 SG3 343.2
 RRT -.8906 RRF -.9462 RTF .9118
 SGB 2439.4 R23 .2785 R13 -.9169
 SG1 2428.8 SG2 227.3 THA 169.15

ORBIT DETERMINATION ACCURACY

ST 502.6 SR 193.1 SS 172.3
 CRT -.3287 CRS .7314 CST -.8730
 LSA 530.7 MSA 193.8 SSA 19.7
 EL1 507.2 EL2 180.7 ALF 171.75

LAUNCH DATE DEC 22 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 334.379

RL 147.16 LAL .00 LOL 89.94 VL 28.356 GAL -9.54 AZL 88.84 HCA 159.62 SMA 132.76 ECC .19727 INC 1.1581 V1 30.275
 RP 108.56 LAP .40 LOP 249.56 VP 38.019 GAP 4.39 A7P 91.09 TAL 227.63 TAP 27.25 RCA 106.57 APO 158.95 V2 34.909
 RC 109.770 GL 6.27 GP 20.62 ZAL 152.56 ZAP 129.06 ETS 15.08 ZAE 138.39 ETE 158.71 ZAC 30.98 ETC 184.00 CLP-132.32

PLANETOCENTRIC CONIC

C3 26.784 VHL 5.175 OLA -14.66 RAL 297.50 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 4.290 DPA -2.50 RAP 296.60 ECC 1.4408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 28 1811.85 -8.20 17.40 162.06 117.20 3 36 40 1211.9 -4.49 10.69
 90.00 11 12 45 5403.23 28.02 247.81 169.37 85.71 12 42 49 4803.2 27.13 239.25
 100.00 4 19 56 1574.83 -9.45 359.31 161.39 118.49 4 46 10 974.8 -5.57 352.67
 100.00 12 41 59 5115.49 29.42 226.50 169.24 84.45 14 7 14 4515.5 28.34 217.87
 110.00 5 10 33 1416.24 -12.67 345.37 159.48 122.02 5 34 10 816.2 -8.35 338.93
 110.00 14 7 50 4846.84 33.12 205.55 168.68 81.01 15 28 37 4246.8 31.52 196.69

DIFFERENTIAL CORRECTIONS

TDE -.0665 TRA-1.5046 TC3-1.7687 BAU .6538
 RDE -.1364 RRA .1864 RC3 .4531 FAU .10625
 FDE .0911 FRA-1.0809 FC3-3.4343 BSP 7831
 BDE .1517 BRA 1.5161 BC3 1.8258 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 2514.3 SGR 536.9 SG3 325.3
 RRT -.8999 RRF -.9628 RTF .9116
 SGB 2571.0 R23 .3106 R13 -.9172
 SG1 2560.7 SG2 229.9 THA 169.03

ORBIT DETERMINATION ACCURACY

ST 524.6 SR 164.6 SS 147.9
 CRT -.2632 CRS .6164 CST -.9080
 LSA 544.0 MSA 166.7 SSA 20.3
 EL1 526.6 EL2 158.2 ALF 174.81

LAUNCH DATE DEC 22 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 340.394

RL 147.16 LAL .00 LOL 89.94 VL 28.296 GAL -9.33 AZL 89.27 HCA 162.79 SMA 132.32 ECC .19637 INC .7284 V1 30.275
 RP 108.59 LAP .22 LOP 252.73 VP 37.964 GAP 4.67 A7P 90.70 TAL 226.36 TAP 29.15 RCA 106.34 APO 158.30 V2 34.897
 RC 112.133 GL 4.02 GP 23.46 ZAL 152.02 ZAP 130.33 ETS 18.90 ZAE 136.10 ETE 156.59 ZAC 31.99 ETC 188.18 CLP-134.87

PLANETOCENTRIC CONIC

C3 25.766 VHL 5.076 OLA -16.70 RAL 298.91 RAD 6568.0 VEL 12.130 PTH 2.17 VHP 4.461 DPA .39 RAP 296.77 ECC 1.4240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 8 1728.38 -5.58 12.67 163.17 117.81 3 59 56 1128.4 -1.81 6.02
 90.00 10 59 19 5467.49 28.26 252.49 170.96 88.05 12 30 26 4867.5 27.69 243.87
 100.00 4 43 1 1496.46 -6.87 354.92 162.46 119.16 5 7 57 896.5 -2.93 348.34
 100.00 12 30 8 5174.64 29.73 230.87 170.88 86.73 13 56 22 4574.6 28.96 222.15
 110.00 5 30 20 1348.19 -10.18 341.66 160.45 122.81 5 52 48 748.2 -5.79 335.33
 110.00 13 59 17 4895.68 33.58 209.29 170.48 83.17 15 20 53 4295.7 32.27 200.30

DIFFERENTIAL CORRECTIONS

TDE -.1558 TRA-1.4958 TC3-1.9236 BAU .6860
 RDE -.0997 RRA .1764 RC3 .5158 FAU .09816
 FDE -.0376 FRA -.9155 FC3-3.2980 BSP 8236
 BDE .1849 BRA 1.5062 BC3 1.9916 FSP -988

MID-COURSE EXECUTION ACCURACY

SGT 2636.7 SGR 574.5 SG3 303.9
 RRT -.9039 RRF -.9760 RTF .9107
 SGB 2698.5 R23 .3410 R13 -.9170
 SG1 2687.7 SG2 241.1 THA 168.77

ORBIT DETERMINATION ACCURACY

ST 550.4 SR 129.6 SS 131.6
 CRT -.1944 CRS .3838 CST -.9641
 LSA 575.2 MSA 129.4 SSA 22.0
 EL1 561.0 EL2 127.0 ALF 177.29

LAUNCH DATE DEC 22 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 346.389

RL 147.16 LAL .00 LOL 89.94 VL 28.236 GAL -9.12 AZL 89.89 HCA 165.97 SMA 131.87 ECC .19552 INC .1106 V1 30.275
 RP 108.63 LAP .03 LOP 255.91 VP 37.909 GAP 4.93 A7P 90.11 TAL 225.04 TAP 31.01 RCA 106.09 APO 157.65 V2 34.886
 RC 114.493 GL .64 GP 27.45 ZAL 151.26 ZAP 130.75 ETS 23.81 ZAE 133.36 ETE 153.74 ZAC 33.54 ETC 193.62 CLP-137.36

PLANETOCENTRIC CONIC

C3 24.824 VHL 4.982 OLA -19.81 RAL 300.66 RAD 6568.0 VEL 12.091 PTH 2.16 VHP 4.693 DPA 4.43 RAP 296.80 ECC 1.4085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 31 1597.09 -1.37 5.32 165.14 118.29 4 37 8 997.1 2.43 358.69
 90.00 10 33 56 5580.41 28.24 260.75 173.32 92.18 12 6 56 4980.4 28.24 252.08
 100.00 5 19 18 1375.15 -2.80 348.21 164.34 119.77 5 42 13 775.1 1.18 341.69
 100.00 12 7 50 5277.59 29.88 238.52 173.37 90.75 13 35 48 4677.6 29.67 229.72
 110.00 6 0 33 1245.90 -6.36 336.20 162.14 123.66 6 21 18 645.9 -1.90 329.96
 110.00 13 43 5 4979.61 34.07 215.79 173.27 86.99 15 6 5 4379.6 33.27 206.64

DIFFERENTIAL CORRECTIONS

TDE -.2987 TRA-1.4624 TC3-2.0852 BAU .7197
 RDE -.0490 RRA .1618 RC3 .5958 FAU .08897
 FDE -.2072 FRA -.7410 FC3-3.1027 BSP 8705
 BDE .3026 BRA 1.4713 BC3 2.1686 FSP -913

MID-COURSE EXECUTION ACCURACY

SGT 2762.3 SGR 628.3 SG3 279.1
 RRT -.9033 RRF -.9860 RTF .9105
 SGB 2832.9 R23 .3635 R13 -.9177
 SG1 2820.5 SG2 264.0 THA 168.29

ORBIT DETERMINATION ACCURACY

ST 639.8 SR 83.7 SS 151.3
 CRT -.2535 CRS .1393 CST -.9773
 LSA 657.1 MSA 82.9 SSA 25.8
 EL1 640.2 EL2 80.9 ALF 178.07

LAUNCH DATE DEC 22 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.175 GAL -8.90 AZL 90.85 MCA 169.14 SMA 131.42 ECC .19473 INC .8504 V1 30.275
 RP 108.66 LAP -.16 LOP 259.08 VP 37.854 GAP 5.18 A7P 89.16 TAL 223.69 TAP 32.83 RCA 105.83 APO 157.01 V2 34.875
 RC 116.852 GL -4.83 GP 33.33 ZAL 149.78 ZAP 129.74 ETS 30.23 ZAE 129.59 ETE 149.96 ZAC 36.08 ETC 200.87 CLP-139.91

PLANETOCENTRIC CONIC
 C3 24.201 VHL 4.919 OLA -24.91 RAL 303.10 RAD 6568.0 VEL 12.066 PTH 2.16 VHP 5.058 DPA 10.32 RAP 296.43 ECC 1.3983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 26 1340.62 6.86 350.96 169.74 117.54 5 52 46 740.6 10.49 344.17
 90.00 9 33 29 5824.40 26.35 278.32 176.76 100.77 11 10 33 5224.4 27.57 269.86
 100.00 6 29 16 1150.66 4.79 335.87 168.61 119.54 6 48 27 550.7 8.69 329.25
 100.00 11 17 20 5489.60 28.67 254.14 177.21 98.86 12 48 49 4889.6 29.59 245.45
 110.00 6 54 38 1071.11 .29 327.05 165.81 124.18 7 12 29 471.1 4.78 320.83
 110.00 13 8 27 5141.91 33.92 228.45 177.93 94.47 14 34 9 4541.9 34.17 219.21

DIFFERENTIAL CORRECTIONS
 TOE -.5375 TRA-1.3790 TC3-2.2206 BAU .7522 SGT 2881.2 SGR 699.6 SG3 245.4 ST 823.6 SR 65.4 SS 236.7
 ROE .0299 RRA .1338 RC3 .6883 FAU .07701 RRT -.8959 RRF -.9922 RTF .9106 CRT -.9370 CRS .8321 CST -.9512
 FDE -.4242 FRA -.5364 FC3-2.7548 BSP 9109 SGB 2964.9 R23 .3763 R13 -.9194 LSA 856.3 MSA 71.9 SSA 18.7
 BDE .5383 BRA 1.3855 BC3 2.3248 FSP -801 SG1 2949.3 SG2 303.6 THA 167.59 EL1 825.9 EL2 22.8 ALF 175.74

LAUNCH DATE DEC 22 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.114 GAL -8.67 AZL 92.60 MCA 172.31 SMA 130.97 ECC .19399 INC 2.6005 V1 30.275
 RP 108.69 LAP -.35 LOP 262.25 VP 37.799 GAP 5.43 A7P 87.42 TAL 222.30 TAP 34.61 RCA 105.57 APO 156.38 V2 34.865
 RC 119.206 GL -14.63 GP 42.54 ZAL 145.78 ZAP 126.03 ETS 38.62 ZAE 123.58 ETE 145.30 ZAC 40.62 ETC 210.63 CLP-142.98

PLANETOCENTRIC CONIC
 C3 24.946 VHL 4.995 OLA -34.12 RAL 307.30 RAD 6568.0 VEL 12.096 PTH 2.17 VHP 5.774 DPA 19.43 RAP 295.00 ECC 1.4105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.12 5 19 48 1419.84 21.79 4.67 181.12 116.93 5 43 28 819.8 25.22 357.21
 109.88 10 17 36 5760.07 21.80 271.89 181.13 116.92 11 53 36 5160.1 25.23 264.43
 70.12 5 19 48 1419.84 21.79 4.67 181.12 116.93 5 43 28 819.8 25.22 357.21
 109.88 10 17 36 5760.07 21.80 271.89 181.13 116.92 11 53 36 5160.1 25.23 264.43
 110.00 10 2 8 5807.21 20.28 274.73 180.28 118.12 11 38 55 5207.2 23.88 267.43
 110.00 10 34 27 5708.73 23.32 268.70 181.94 115.73 12 9 35 5108.7 26.59 261.06

DIFFERENTIAL CORRECTIONS
 TOE -1.0130 TRA-1.1972 TC3-2.2267 BAU .7842 SGT 3008.3 SGR 790.1 SG3 197.7 ST 1265.9 SR 212.0 SS 414.2
 ROE -.1817 RRA -.0739 RC3 .7560 FAU .06049 RRT -.8801 RRF -.9936 RTF .9149 CRT -.9656 CRS .9995 CST -.9675
 FDE -.7137 FRA -.2969 FC3-2.0993 BSP 9601 SGB 3110.3 R23 .3712 R13 -.9255 LSA 1344.1 MSA 111.3 SSA 5.8
 BDE 1.0291 BRA 1.1995 BC3 2.3516 FSP -650 SG1 3088.8 SG2 365.3 THA 166.80 EL1 1282.4 EL2 54.4 ALF 170.80

LAUNCH DATE DEC 22 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 28.052 GAL -8.43 AZL 96.76 MCA 175.45 SMA 130.53 ECC .19328 INC 6.7578 V1 30.275
 RP 108.72 LAP -.53 LOP 265.42 VP 37.744 GAP 5.66 A7P 83.26 TAL 220.87 TAP 36.33 RCA 105.30 APO 155.76 V2 34.856
 RC 121.557 GL -34.01 GP 57.83 ZAL 133.30 ZAP 117.19 ETS 50.15 ZAE 112.43 ETE 141.83 ZAC 49.41 ETC 224.39 CLP-149.11

PLANETOCENTRIC CONIC
 C3 34.075 VHL 5.837 OLA -51.84 RAL 318.79 RAD 6568.3 VEL 12.468 PTH 2.26 VHP 7.773 DPA 34.21 RAP 290.10 ECC 1.5608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.58 4 15 23 1800.96 27.62 42.60 204.49 135.78 4 45 24 1201.0 33.20 36.35
 135.42 12 53 40 5534.81 27.64 257.09 204.50 135.78 14 25 55 4934.8 33.21 250.84
 44.58 4 15 23 1800.96 27.62 42.60 204.49 135.78 4 45 24 1201.0 33.20 36.35
 135.42 12 53 40 5534.81 27.64 257.09 204.50 135.78 14 25 55 4934.8 33.21 250.84
 44.58 4 15 23 1800.96 27.62 42.60 204.49 135.78 4 45 24 1201.0 33.20 36.35
 135.42 12 53 40 5534.81 27.64 257.09 204.50 135.78 14 25 55 4934.8 33.21 250.84

DIFFERENTIAL CORRECTIONS
 TOE -2.2961 TRA -.6962 TC3-1.6403 BAU .7896 SGT 3157.5 SGR 831.2 SG3 129.0 ST 2278.7 SR 491.4 SS 692.7
 ROE .4980 RRA -.0976 RC3 .5604 FAU .03643 RRT -.8318 RRF -.9739 RTF .9341 CRT -.9710 CRS .9952 CST -.9898
 FDE -1.0504 FRA -.0070 FC3 -.9256 BSP 10159 SGB 3265.0 R23 .3256 R13 -.9447 LSA 2427.5 MSA 144.7 SSA 1.5
 BDE 2.3495 BRA .7030 BC3 1.7334 FSP -423 SG1 3233.8 SG2 450.6 THA 167.40 EL1 2328.3 EL2 114.9 ALF 168.14

LAUNCH DATE DEC 22 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 27.990 GAL -8.15 AZL 118.10 MCA 178.47 SMA 130.08 ECC .19232 INC 28.0995 V1 30.275
 RP 108.75 LAP -.72 LOP 268.59 VP 37.690 GAP 5.84 A7P 61.91 TAL 219.34 TAP 37.82 RCA 105.07 APO 155.10 V2 34.846
 RC 123.903 GL -61.81 GP 76.61 ZAL 105.12 ZAP 100.55 ETS 113.98 ZAE 86.45 ETE 193.45 ZAC 64.91 ETC 292.82 CLP 142.26

PLANETOCENTRIC CONIC
 C3 219.227 VHL 14.806 OLA -65.86 RAL 15.75 RAD 6571.3 VEL 18.454 PTH 3.04 VHP 20.084 DPA 55.03 RAP 260.97 ECC 4.6079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.68 7 18 27 2287.04 8.05 72.29 282.10 155.60 7 56 34 1687.0 15.32 69.29
 152.32 17 25 4 5851.04 8.06 265.35 282.12 155.60 19 2 35 5251.0 15.33 262.35
 27.68 7 18 27 2287.04 8.05 72.29 282.10 155.60 7 56 34 1687.0 15.32 69.29
 152.32 17 25 4 5851.04 8.06 265.35 282.12 155.60 19 2 35 5251.0 15.33 262.35
 27.68 7 18 27 2287.04 8.05 72.29 282.10 155.60 7 56 34 1687.0 15.32 69.29
 152.32 17 25 4 5851.04 8.06 265.35 282.12 155.60 19 2 35 5251.0 15.33 262.35

DIFFERENTIAL CORRECTIONS
 TOE -3.5549 TRA 2.0033 TC3 -.0657 BAU .1927 SGT 2350.1 SGR 2321.6 SG3 56.8 ST 1488.5 SR 1927.5 SS 751.1
 ROE -4.8686 RRA 1.4338 RC3 .0021 FAU .00397 RRT .9461 RRF .9577 RTF .9993 CRT .9840 CRS -.9883 CST -.9997
 FDE -1.0445 FRA .5458 FC3 -.0157 BSP 11423 SGB 3303.4 R23 -.1244 R13 .9922 LSA 2539.1 MSA 219.8 SSA .3
 BDE 6.0284 BRA 2.4635 BC3 .0658 FSP -203 SG1 3258.6 SG2 542.3 THA 44.63 EL1 2426.2 EL2 210.8 ALF 52.44

LAUNCH DATE DEC 22 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 376.320

RL 147.16 LAL .00 LOL 89.94 VL 27.928 GAL -7.98 AZL 63.64 MCA 182.03 SMA 129.64 ECC .19285 INC26.3552 V1 30.275
 RP 108.78 LAP -.90 LOP 271.76 VP 37.636 GAP 6.18 AZP 116.34 TAL 218.08 TAP 40.11 RCA 104.64 APO 154.64 V2 34.838
 RC 126.245 GL 61.52 GP -75.02 ZAL 105.66 ZAP 104.89 ETS 250.53 ZAE 88.69 ETE 171.96 ZAC 89.25 ETC 77.12 CLP 173.96

PLANETOCENTRIC CONIC

C3 195.157 VHL 13.970 OLA 44.33 RAL 303.31 RAD 6571.1 VEL 17.790 PTH 2.99 VHP 15.178 DPA -79.80 RAP 114.98 ECC 4.2118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.34 15 45 24 4745.32 -7.00 218.94 206.10 46.11 17 4 29 4145.3 -12.50 213.46
 125.66 23 16 16 3357.49 -6.99 111.69 206.09 46.11 24 12 13 2757.5 -12.49 106.22
 54.34 15 45 24 4745.32 -7.00 218.94 206.10 46.11 17 4 29 4145.3 -12.50 213.46
 125.66 23 16 16 3357.49 -6.99 111.69 206.09 46.11 24 12 13 2757.5 -12.49 106.22
 54.34 15 45 24 4745.32 -7.00 218.94 206.10 46.11 17 4 29 4145.3 -12.50 213.46
 125.66 23 16 16 3357.49 -6.99 111.69 206.09 46.11 24 12 13 2757.5 -12.49 106.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 5.6214 TRA-2.3146 TC3 -.0764 BAU .1993 SGT 2668.8 SGR 2217.7 SG3 65.5 ST 2339.7 SR 1594.1 SS 881.0
 RDE -3.7027 RRA 2.8184 RC3 .0015 FAU .00707 RRT -.9541 RRF -.9420 RTF .9989 CRT -.9905 CRS .9889 CST -.9999
 FDE 1.6172 FRA -.6215 FC3 -.0313 BSP 9275 SGB 3469.9 R23 -.1597 R13 -.9868 LSA 2959.1 MSA 187.4 SSA .8
 BOE 6.7313 BRA 3.6470 BC3 .0764 FSP -195 SG1 3431.3 SG2 516.4 THA 140.52 EL1 2825.3 EL2 181.7 ALF 145.82

LAUNCH DATE DEC 22 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 382.122

RL 147.16 LAL .00 LOL 89.94 VL 27.866 GAL -7.70 AZL 77.75 MCA 185.10 SMA 129.20 ECC .19218 INC12.2495 V1 30.275
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.582 GAP 6.37 AZP 102.20 TAL 216.52 TAP 41.62 RCA 104.37 APO 154.04 V2 34.830
 RC 128.581 GL 50.11 GP -52.19 ZAL 118.37 ZAP 123.07 ETS 298.85 ZAE 110.49 ETE 209.71 ZAC 73.59 ETC 123.02 CLP 152.89

PLANETOCENTRIC CONIC

C3 58.309 VHL 7.636 OLA 30.98 RAL 300.11 RAD 6569.1 VEL 13.404 PTH 2.45 VHP 7.383 DPA -71.74 RAP 333.00 ECC 1.9596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.88 17 33 46 4137.78 -13.51 174.74 186.53 61.86 18 42 44 3537.8 -17.17 167.78
 103.12 21 2 24 3467.09 -13.50 125.23 186.53 61.85 22 0 11 2867.1 -17.16 118.27
 76.88 17 33 46 4137.78 -13.51 174.74 186.53 61.86 18 42 44 3537.8 -17.17 167.78
 103.12 21 2 24 3467.09 -13.50 125.23 186.53 61.85 22 0 11 2867.1 -17.16 118.27
 110.00 23 38 51 2979.33 -25.74 94.29 192.77 66.69 24 28 31 2379.3 -28.66 86.34
 110.00 19 56 29 3673.54 -1.88 133.83 179.46 55.86 20 57 42 3073.5 -6.35 127.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9195 TRA-2.7570 TC3 -.9249 BAU .7260 SGT 3551.9 SGR 358.2 SG3 136.5 ST 2307.5 SR 245.2 SS 754.2
 RDE .3157 RRA .2404 RC3 -.1094 FAU .03731 RRT .1944 RRF .4968 RTF .9470 CRT .8368 CRS -.9108 CST -.9882
 FDE 1.5539 FRA -.7410 FC3 -.5540 BSP 11021 SGB 3569.9 R23 .3169 R13 .9476 LSA 2434.0 MSA 170.8 SSA 1.1
 BOE 2.9365 BRA 2.7675 BC3 .9314 FSP -461 SG1 3552.6 SG2 351.3 THA 1.13 EL1 2316.6 EL2 133.7 ALF 5.10

LAUNCH DATE DEC 22 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 387.989

RL 147.16 LAL .00 LOL 89.94 VL 27.804 GAL -7.43 AZL 81.20 MCA 188.25 SMA 128.77 ECC .19181 INC 8.7986 V1 30.275
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.529 GAP 6.58 AZP 98.71 TAL 214.98 TAP 43.23 RCA 104.07 APO 153.47 V2 34.822
 RC 130.911 GL 42.39 GP -37.21 ZAL 123.91 ZAP 134.29 ETS 309.38 ZAE 120.15 ETE 207.16 ZAC 64.54 ETC 132.49 CLP 151.27

PLANETOCENTRIC CONIC

C3 39.139 VHL 6.256 OLA 23.35 RAL 301.78 RAD 6568.5 VEL 12.669 PTH 2.30 VHP 5.968 DPA -56.86 RAP 323.92 ECC 1.6441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 51 22 3213.23 -25.91 111.67 184.18 78.16 22 44 56 2613.2 -27.28 103.27
 90.00 16 58 3 4192.53 -.20 171.56 174.64 61.68 18 7 56 3592.5 -3.99 164.93
 100.00 23 30 56 2892.22 -28.13 88.55 184.67 79.45 24 19 8 2292.2 -29.30 79.94
 100.00 18 1 11 3988.77 1.78 155.49 173.54 60.16 19 7 40 3388.8 -2.21 148.97
 110.00 1 19 50 2563.82 -33.46 64.59 185.66 82.55 2 2 34 1963.8 -34.13 55.41
 110.00 18 32 42 3889.94 6.36 145.16 170.69 56.34 19 37 32 3289.9 1.90 138.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0508 TRA-2.4430 TC3 -1.5343 BAU .8069 SGT 3626.5 SGR 334.1 SG3 188.2 ST 2016.3 SR 255.9 SS 728.9
 RDE .2775 RRA .0961 RC3 -.1555 FAU .05415 RRT .5094 RRF .7896 RTF .9254 CRT .8853 CRS -.9634 CST -.9775
 FDE 1.5233 FRA -.7464 FC3 -1.1978 BSP 11351 SGB 3641.9 R23 .3663 R13 .9268 LSA 2151.4 MSA 183.6 SSA 2.2
 BOE 2.0695 BRA 2.4449 BC3 1.5421 FSP -635 SG1 3630.5 SG2 287.2 THA 2.70 EL1 2029.0 EL2 118.3 ALF 6.43

LAUNCH DATE DEC 22 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 393.857

RL 147.16 LAL .00 LOL 89.94 VL 27.742 GAL -7.16 AZL 82.75 MCA 191.40 SMA 128.34 ECC .19155 INC 7.2481 V1 30.275
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.477 GAP 6.78 AZP 97.11 TAL 213.43 TAP 44.83 RCA 103.76 APO 152.93 V2 34.816
 RC 133.236 GL 37.81 GP -28.15 ZAL 126.25 ZAP 141.01 ETS 316.27 ZAE 124.77 ETE 202.68 ZAC 60.13 ETC 138.67 CLP 151.81

PLANETOCENTRIC CONIC

C3 32.098 VHL 5.665 OLA 19.08 RAL 303.63 RAD 6568.3 VEL 12.388 PTH 2.24 VHP 5.541 DPA -47.59 RAP 322.11 ECC 1.5282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 51 47 2970.74 -28.13 94.30 180.94 86.57 23 41 18 2370.7 -28.30 85.64
 90.00 16 12 24 4334.86 4.38 179.52 171.74 62.00 17 24 39 3734.9 .60 172.87
 100.00 0 28 48 2670.56 -29.82 72.32 181.04 87.81 1 13 19 2070.6 -29.80 63.51
 100.00 17 22 0 4110.27 5.87 162.19 170.92 60.64 18 30 31 3510.3 1.91 155.64
 110.00 2 2 29 2377.46 -34.17 50.10 181.09 91.08 2 42 7 1777.5 -33.64 40.90
 110.00 18 4 49 3976.13 9.59 149.75 168.65 57.03 19 11 5 3376.1 5.18 143.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6900 TRA-2.2750 TC3 -1.9671 BAU .8458 SGT 3717.0 SGR 270.0 SG3 213.5 ST 1859.9 SR 214.9 SS 694.4
 RDE .2110 RRA .0781 RC3 -.1260 FAU .06143 RRT .4778 RRF .7694 RTF .9146 CRT .8674 CRS -.9643 CST -.9682
 FDE 1.4170 FRA -.6776 FC3 -1.6570 BSP 11635 SGB 3726.8 R23 .3764 R13 .9154 LSA 1987.6 MSA 192.0 SSA 3.5
 BOE 1.7031 BRA 2.2763 BC3 1.9711 FSP -713 SG1 3719.2 SG2 237.0 THA 2.00 EL1 1869.2 EL2 106.4 ALF 5.74

LAUNCH DATE DEC 22 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 399.717

RL 147.16 LAL .00 LOL 89.94 VL 27.680 GAL -6.88 AZL 83.64 MCA 194.56 SMA 127.92 ECC .19140 INC 6.3639 V1 30.275
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.425 GAP 6.98 AZP 96.16 TAL 211.85 TAP 46.41 RCA 103.44 APO 152.40 V2 34.809
 RC 135.553 GL 34.90 GP -22.33 ZAL 127.04 ZAP 145.37 ETS 321.38 ZAE 127.11 ETE 198.87 ZAC 58.21 ETC 143.32 CLP-152.81

PLANETOCENTRIC CONIC

C3 28.342 VHL 5.324 DLA 16.56 RAL 305.44 RAD 6568.1 VEL 12.236 PTH 2.20 VMP 5.399 DPA -41.45 RAP 322.11 ECC 1.4664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 24 44 2842.14 -28.29 84.90 179.27 91.27 24 12 6 2242.1 -27.81 76.27
 90.00 15 53 57 4401.09 6.48 183.24 171.12 62.38 17 7 18 3801.1 2.73 176.57
 100.00 0 59 22 2549.65 -29.80 63.33 179.21 92.53 1 41 51 1949.7 -29.13 54.59
 100.00 17 5 56 4168.81 7.81 165.45 170.40 61.05 18 15 25 3568.8 3.89 158.86
 110.00 2 28 17 2271.41 -33.73 41.86 178.87 95.94 3 6 9 1671.4 -32.54 32.83
 110.00 17 53 30 4019.81 11.20 152.11 168.36 57.49 19 0 29 3419.8 6.83 145.74

DIFFERENTIAL CORRECTIONS

TDE 1.5004 TRA-2.1622 TC3-2.3095 BAU .8756
 RDE .1740 RRA .0729 RC3 -.0805 FAU .06389
 FDE 1.3064 FRA -.5898 FC3-1.9515 BSP 11949
 BDE 1.5105 BRA 2.1635 BC3 2.3109 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 3814.2 SGR 221.6 SG3 224.2
 RRT .3720 RRF .6733 RTF .9081
 SGB 3820.7 R23 .3603 R13 .9085
 SG1 3815.1 SG2 205.7 THA 1.24

ORBIT DETERMINATION ACCURACY

ST 1773.0 SR 188.9 SS 663.1
 CRT .8502 CRS -.9632 CST -.9602
 LSA 1892.0 MSA 197.7 SSA 4.8
 EL1 1780.3 EL2 99.1 ALF 5.19

LAUNCH DATE DEC 22 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 405.567

RL 147.16 LAL .00 LOL 89.94 VL 27.619 GAL -6.59 AZL 84.21 MCA 197.72 SMA 127.50 ECC .19136 INC 5.7901 V1 30.275
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.375 GAP 7.18 AZP 95.52 TAL 210.25 TAP 47.97 RCA 103.10 APO 151.90 V2 34.804
 RC 137.863 GL 32.95 GP -18.36 ZAL 126.98 ZAP 148.49 ETS 325.26 ZAE 128.35 ETE 195.89 ZAC 57.68 ETC 146.94 CLP-153.93

PLANETOCENTRIC CONIC

C3 25.902 VHL 5.089 DLA 15.03 RAL 307.24 RAD 6568.0 VEL 12.136 PTH 2.18 VMP 5.369 DPA -37.08 RAP 322.88 ECC 1.4263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 46 16 2764.20 -28.04 79.22 178.65 94.11 24 32 20 2164.2 -27.18 70.66
 90.00 15 46 46 4434.28 7.53 185.12 171.34 62.62 17 0 41 3834.3 3.80 178.43
 100.00 1 19 41 2475.58 -29.45 57.85 178.52 95.39 2 0 57 1875.6 -28.39 49.21
 100.00 16 59 58 4198.13 8.77 167.09 170.67 61.31 18 9 56 3598.1 4.87 160.47
 110.00 2 46 7 2205.13 -33.14 36.77 177.97 98.89 3 22 52 1605.1 -31.56 27.90
 110.00 17 50 1 4041.34 11.98 153.28 168.75 57.74 18 57 22 3441.3 7.64 146.88

DIFFERENTIAL CORRECTIONS

TDE 1.3887 TRA-2.0736 TC3-2.6062 BAU .9025
 RDE .1555 RRA .0681 RC3 -.0353 FAU .06405
 FDE 1.2104 FRA -.5011 FC3-2.1406 BSP 12305
 BDE 1.3974 BRA 2.0747 BC3 2.6064 FSP -758

MID-COURSE EXECUTION ACCURACY

SGT 3914.6 SGR 195.6 SG3 227.7
 RRT .2317 RRF .5251 RTF .9036
 SGB 3919.5 R23 .3240 R13 .9038
 SG1 3914.8 SG2 190.3 THA .66

ORBIT DETERMINATION ACCURACY

ST 1725.2 SR 176.7 SS 638.1
 CRT .8416 CRS -.9648 CST -.9535
 LSA 1836.8 MSA 202.2 SSA 6.2
 EL1 1731.6 EL2 95.1 ALF 4.94

LAUNCH DATE DEC 22 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 411.407

RL 147.16 LAL .00 LOL 89.94 VL 27.558 GAL -6.29 AZL 84.61 MCA 200.88 SMA 127.09 ECC .19143 INC 5.3855 V1 30.275
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.325 GAP 7.38 AZP 95.03 TAL 208.63 TAP 49.51 RCA 102.76 APO 151.42 V2 34.799
 RC 140.164 GL 31.57 GP -15.51 ZAL 126.38 ZAP 150.91 ETS 328.26 ZAE 129.04 ETE 193.58 ZAC 57.94 ETC 149.84 CLP-155.07

PLANETOCENTRIC CONIC

C3 24.113 VHL 4.910 DLA 14.13 RAL 309.06 RAD 6568.0 VEL 12.062 PTH 2.16 VMP 5.391 DPA -33.78 RAP 324.06 ECC 1.3968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 5 36 2714.54 -27.75 75.61 178.70 95.89 0 50 51 2114.5 -26.64 67.12
 90.00 15 45 50 4448.69 7.98 185.94 171.98 62.74 16 59 58 3848.7 4.26 179.24
 100.00 1 34 27 2428.01 -29.09 54.36 178.53 97.20 2 14 55 1828.0 -27.79 45.80
 100.00 16 59 40 4210.45 9.17 167.79 171.34 61.43 18 9 50 3610.4 5.29 161.16
 110.00 2 59 30 2161.87 -32.64 33.50 177.87 100.77 3 35 32 1561.9 -30.81 24.76
 110.00 17 51 6 4049.35 12.27 153.72 169.49 57.84 18 58 35 3449.4 7.94 147.31

DIFFERENTIAL CORRECTIONS

TDE 1.3220 TRA-1.9933 TC3-2.8768 BAU .9274
 RDE .1475 RRA .0622 RC3 .0056 FAU .06301
 FDE 1.1329 FRA -.4145 FC3-2.2622 BSP 12651
 BDE 1.3302 BRA 1.9943 BC3 2.8768 FSP -756

MID-COURSE EXECUTION ACCURACY

SGT 4014.2 SGR 187.7 SG3 227.5
 RRT .0934 RRF .3599 RTF .9000
 SGB 4018.6 R23 .2768 R13 .9001
 SG1 4014.3 SG2 186.9 THA .25

ORBIT DETERMINATION ACCURACY

ST 1704.2 SR 173.5 SS 620.4
 CRT .8429 CRS -.9695 CST -.9482
 LSA 1810.2 MSA 205.7 SSA 7.5
 EL1 1710.5 EL2 93.0 ALF 4.92

LAUNCH DATE DEC 22 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 417.237

RL 147.16 LAL .00 LOL 89.94 VL 27.497 GAL -5.99 AZL 84.92 MCA 204.05 SMA 126.68 ECC .19160 INC 5.0833 V1 30.275
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.276 GAP 7.57 AZP 94.64 TAL 206.99 TAP 51.03 RCA 102.41 APO 150.96 V2 34.795
 RC 142.456 GL 30.57 GP -13.38 ZAL 125.40 ZAP 152.90 ETS 330.61 ZAE 129.44 ETE 191.78 ZAC 58.72 ETC 152.20 CLP-156.21

PLANETOCENTRIC CONIC

C3 22.700 VHL 4.764 DLA 13.64 RAL 310.91 RAD 6567.9 VEL 12.003 PTH 2.14 VMP 5.440 DPA -31.14 RAP 325.49 ECC 1.3736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 17 18 2682.76 -27.50 73.32 179.21 97.02 1 2 1 2082.8 -26.25 64.88
 90.00 15 48 53 4450.99 8.05 186.08 172.89 62.76 17 3 4 3851.0 4.33 179.36
 100.00 1 45 49 2397.31 -28.81 52.12 179.01 98.34 2 25 46 1797.3 -27.35 43.62
 100.00 17 3 4 4211.67 9.21 167.86 172.26 61.44 18 13 15 3611.7 5.33 161.22
 110.00 3 10 9 2133.41 -32.26 31.37 178.29 101.98 3 45 43 1533.4 -30.27 22.71
 110.00 17 55 12 4048.34 12.24 153.66 170.46 57.83 19 2 41 3448.3 7.90 147.25

DIFFERENTIAL CORRECTIONS

TDE 1.2815 TRA-1.9174 TC3-3.1359 BAU .9518
 RDE .1450 RRA .0548 RC3 .0416 FAU .06151
 FDE 1.0669 FRA -.3357 FC3-2.3457 BSP 13031
 BDE 1.2897 BRA 1.9181 BC3 3.1361 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 4115.0 SGR 191.2 SG3 225.6
 RRT -.0134 RRF .2143 RTF .8976
 SGB 4119.5 R23 -.2264 R13 -.8976
 SG1 4115.0 SG2 191.2 THA 179.96

ORBIT DETERMINATION ACCURACY

ST 1699.9 SR 175.5 SS 606.7
 CRT .8516 CRS -.9757 CST -.9443
 LSA 1801.5 MSA 207.7 SSA 8.8
 EL1 1706.5 EL2 91.7 ALF 5.04

LAUNCH DATE DEC 22 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 423.065

RL 147.16 LAL .00 LOL 89.94 VL 27.437 GAL -5.67 AZL 85.15 HCA 207.21 SMA 126.29 ECC .19188 INC 4.8476 V1 30.275
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.229 GAP 7.77 AZP 94.31 TAL 205.32 TAP 52.53 RCA 102.05 APO 150.52 V2 34.791
 RC 144.737 GL 29.82 GP -11.74 ZAL 124.14 ZAP 154.60 ETS 332.49 ZAE 129.67 ETE 190.35 ZAC 59.84 ETC 154.16 CLP-157.31

PLANETOCENTRIC CONIC

C3 21.525 VHL 4.639 DLA 13.46 RAL 312.82 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 5.505 OPA -28.95 RAP 327.09 ECC 1.3542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 26 33 2663.51 -27.34 71.94 180.06 97.69 1 10 56 2063.5 -25.99 63.53
 90.00 15 54 54 4444.49 7.85 185.71 174.00 62.70 17 8 58 3844.5 4.13 179.00
 100.00 1 54 56 2378.46 -28.61 50.76 179.85 99.04 2 34 34 1778.5 -27.07 42.29
 100.00 17 9 12 4204.78 8.99 167.47 173.38 61.37 18 19 17 3604.8 5.10 160.84
 110.00 3 19 0 2115.38 -31.99 30.03 179.10 102.73 3 54 16 1515.4 -29.91 21.43
 110.00 18 1 37 4040.62 11.96 153.24 171.61 57.74 19 8 57 3440.6 7.61 146.84

DIFFERENTIAL CORRECTIONS

TDE 1.3366 TRA-1.7642 TC3-3.2479 BAU .9349
 RDE .1500 RRA .0514 RC3 .0827 FAU .05519
 FDE 1.1019 FRA -.1639 FC3-2.2199 BSP 11597
 BDE 1.3450 BRA 1.7650 BC3 3.2490 FSP -554

MID-COURSE EXECUTION ACCURACY

SGT 4101.9 SGR 210.8 SG3 214.1
 RRT -.0829 RRF .1539 RTF .8778
 SGB 4107.3 R23 -.2276 R13 -.8777
 SGI 4102.0 SG2 210.1 TMA 179.76

ORBIT DETERMINATION ACCURACY

ST 1784.5 SR 186.2 SS 648.6
 CRT .8796 CRS -.9870 CST -.9426
 LSA 1895.0 MSA 220.4 SSA 9.2
 EL1 1792.0 EL2 88.2 ALF 5.26

LAUNCH DATE DEC 22 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 428.867

RL 147.16 LAL .00 LOL 89.94 VL 27.377 GAL -5.35 AZL 85.34 HCA 210.37 SMA 125.89 ECC .19230 INC 4.6578 V1 30.275
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.182 GAP 7.96 AZP 94.02 TAL 203.65 TAP 54.02 RCA 101.68 APO 150.10 V2 34.788
 RC 147.008 GL 29.24 GP -10.43 ZAL 122.66 ZAP 156.11 ETS 333.98 ZAE 129.81 ETE 189.19 ZAC 61.19 ETC 155.82 CLP-158.39

PLANETOCENTRIC CONIC

C3 20.531 VHL 4.531 DLA 13.48 RAL 314.79 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 5.582 OPA -27.06 RAP 328.80 ECC 1.3379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 9 2653.12 -27.24 71.19 181.18 98.06 1 18 23 2053.1 -25.84 62.80
 90.00 16 3 0 4432.19 7.46 185.01 175.28 62.60 17 16 52 3832.2 3.73 178.31
 100.00 2 2 34 2368.00 -28.50 50.00 180.96 99.42 2 42 2 1768.0 -26.90 41.56
 100.00 17 17 16 4192.53 8.59 166.78 174.67 61.26 18 27 9 3592.5 4.69 160.17
 110.00 3 26 41 2104.80 -31.83 29.24 180.19 103.17 4 1 46 1504.8 -29.69 20.69
 110.00 18 9 39 4028.50 11.51 152.58 172.91 57.59 19 16 47 3428.5 7.16 146.20

DIFFERENTIAL CORRECTIONS

TDE 1.2690 TRA-1.7436 TC3-3.6039 BAU .9896
 RDE .1495 RRA .0383 RC3 .1033 FAU .05683
 FDE .9848 FRA -.1715 FC3-2.3965 BSP 13408
 BDE 1.2778 BRA 1.7440 BC3 3.6054 FSP -703

MID-COURSE EXECUTION ACCURACY

SGT 4287.4 SGR 216.7 SG3 217.2
 RRT -.1238 RRF .0388 RTF .8906
 SGB 4292.9 R23 -.1505 R13 -.8905
 SGI 4287.5 SG2 215.1 TMA 179.64

ORBIT DETERMINATION ACCURACY

ST 1745.6 SR 189.7 SS 602.3
 CRT .8848 CRS -.9890 CST -.9405
 LSA 1844.2 MSA 210.9 SSA 11.1
 EL1 1753.6 EL2 88.0 ALF 5.51

LAUNCH DATE DEC 22 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 434.666

RL 147.16 LAL .00 LOL 89.94 VL 27.318 GAL -5.02 AZL 85.50 HCA 213.53 SMA 125.51 ECC .19284 INC 4.5007 V1 30.275
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.137 GAP 8.15 AZP 93.75 TAL 201.96 TAP 55.49 RCA 101.30 APO 149.71 V2 34.786
 RC 149.266 GL 28.79 GP -9.38 ZAL 120.98 ZAP 157.49 ETS 335.19 ZAE 129.89 ETE 188.24 ZAC 62.73 ETC 157.24 CLP-159.44

PLANETOCENTRIC CONIC

C3 19.664 VHL 4.434 DLA 13.69 RAL 316.84 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 5.666 OPA -25.38 RAP 330.61 ECC 1.3236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 32 2650.05 -27.21 70.97 182.55 98.16 1 24 42 2050.1 -25.80 62.59
 90.00 16 13 1 4414.70 6.91 184.01 176.72 62.47 17 26 36 3814.7 3.17 177.33
 100.00 2 9 5 2364.49 -28.46 49.75 182.33 99.55 2 48 29 1764.5 -26.85 41.31
 100.00 17 27 10 4175.49 8.03 165.82 176.12 61.11 18 36 45 3575.5 4.11 159.22
 110.00 3 33 30 2100.35 -31.76 28.91 181.55 103.35 4 8 30 1500.4 -29.60 20.37
 110.00 18 19 14 4012.39 10.93 151.71 174.37 57.41 19 26 6 3412.4 6.55 145.35

DIFFERENTIAL CORRECTIONS

TDE 1.2748 TRA-1.6566 TC3-3.8437 BAU 1.0110
 RDE .1535 RRA .0287 RC3 .1281 FAU .05476
 FDE .9475 FRA -.1043 FC3-2.4110 BSP 13743
 BDE 1.2840 BRA 1.6568 BC3 3.8459 FSP -693

MID-COURSE EXECUTION ACCURACY

SGT 4380.3 SGR 231.8 SG3 213.2
 RRT -.1423 RRF -.0093 RTF .8891
 SGB 4386.5 R23 -.1188 R13 -.8891
 SGI 4380.5 SG2 229.4 TMA 179.57

ORBIT DETERMINATION ACCURACY

ST 1777.8 SR 198.7 SS 600.5
 CRT .9025 CRS -.9934 CST -.9404
 LSA 1875.2 MSA 209.7 SSA 12.3
 EL1 1786.8 EL2 85.2 ALF 5.77

LAUNCH DATE DEC 22 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 440.454

RL 147.16 LAL .00 LOL 89.94 VL 27.259 GAL -4.68 AZL 85.63 HCA 216.69 SMA 125.13 ECC .19352 INC 4.3677 V1 30.275
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.092 GAP 8.35 AZP 93.50 TAL 200.25 TAP 56.94 RCA 100.91 APO 149.34 V2 34.785
 RC 151.511 GL 28.42 GP -8.52 ZAL 119.13 ZAP 158.75 ETS 336.16 ZAE 129.94 ETE 187.46 ZAC 64.40 ETC 158.48 CLP-160.46

PLANETOCENTRIC CONIC

C3 18.905 VHL 4.348 DLA 14.04 RAL 318.99 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 5.757 OPA -23.85 RAP 332.48 ECC 1.3111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 0 2652.93 -27.24 71.18 184.14 98.06 1 30 13 2052.9 -25.84 62.79
 90.00 16 24 40 4393.20 6.23 182.80 178.34 62.32 17 37 54 3793.2 2.48 176.13
 100.00 2 14 47 2366.60 -28.48 49.90 183.92 99.47 2 54 14 1766.6 -26.88 41.46
 100.00 17 38 34 4154.77 7.35 164.67 177.74 60.94 18 47 49 3554.8 3.41 158.08
 110.00 3 39 43 2100.86 -31.77 28.95 183.15 103.33 4 14 44 1500.9 -29.61 20.41
 110.00 18 30 8 3993.27 10.22 150.67 175.99 57.20 19 36 41 3393.3 5.83 144.34

DIFFERENTIAL CORRECTIONS

TDE 1.2911 TRA-1.5625 TC3-4.0775 BAU 1.0312
 RDE .1583 RRA .0188 RC3 .1501 FAU .05260
 FDE .9169 FRA -.0390 FC3-2.4087 BSP 14052
 BDE 1.3008 BRA 1.5626 BC3 4.0803 FSP -680

MID-COURSE EXECUTION ACCURACY

SGT 4469.0 SGR 247.4 SG3 209.0
 RRT -.1467 RRF -.0380 RTF .8877
 SGB 4475.8 R23 -.0936 R13 -.8877
 SGI 4469.2 SG2 244.7 TMA 179.53

ORBIT DETERMINATION ACCURACY

ST 1819.8 SR 208.7 SS 601.8
 CRT .9202 CRS -.9963 CST -.9413
 LSA 1916.8 MSA 207.6 SSA 13.4
 EL1 1829.9 EL2 81.3 ALF 6.04

LAUNCH DATE DEC 22 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 446.232

RL 147.16 LAL .00 LOL 89.94 VL 27.201 GAL -4.33 AZL 85.75 HCA 219.85 SMA 124.76 ECC .19433 INC 4.2531 V1 30.275
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.049 GAP 8.54 AZP 93.27 TAL 198.53 TAP 58.38 RCA 100.51 APO 149.00 V2 34.784
 RC 153.743 GL 28.10 GP -7.79 ZAL 117.11 ZAP 159.93 ETS 336.93 ZAE 129.98 ETE 186.81 ZAC 66.18 ETC 159.56 CLP-161.44

PLANETOCENTRIC CONIC

C3 18.239 VML 4.271 OLA 14.51 RAL 321.23 RAD 6567.7 VEL 11.816 PTH 2.09 VMP 5.852 DPA -22.43 RAP 334.41 ECC 1.3002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 47 2660.92 -27.31 71.75 185.94 97.78 1 35 8 2060.9 -25.95 63.35
 90.00 16 37 48 4368.39 5.45 181.40 180.13 62.17 17 50 37 3768.4 1.68 174.74
 100.00 2 19 54 2373.53 -28.56 50.40 185.73 99.22 2 59 27 1773.5 -26.99 41.95
 100.00 17 51 23 4131.01 6.56 163.34 179.52 60.77 19 0 14 3531.0 2.61 156.78
 110.00 3 45 31 2105.61 -31.85 29.30 184.98 103.14 4 20 37 1505.6 -29.71 20.74
 110.00 18 42 14 3971.69 9.42 149.51 177.78 56.99 19 48 26 3371.7 5.01 143.20

DIFFERENTIAL CORRECTIONS

TDE 1.3160 TRA-1.4613 TC3-4.3057 BAU 1.0507
 RDE .1634 RRA .0088 RC3 .1693 FAU .05044
 FDE .8908 FRA .0231 FC3-2.3941 BSP 14347
 BDE 1.3261 BRA 1.4614 BC3 4.3090 FSP -667

MID-COURSE EXECUTION ACCURACY

SGT 4554.5 SGR 262.9 SG3 204.7
 RRT -.1415 RRF -.0535 RTF .8867
 SGB 4562.1 R23 -.0731 R13 -.8866
 SG1 4554.7 SG2 260.2 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 1870.4 SR 219.3 SS 605.0
 CRT .9370 CRS -.9974 CST -.9431
 LSA 1967.4 MSA 204.2 SSA 14.5
 EL1 1881.7 EL2 76.1 ALF 6.28

LAUNCH DATE DEC 22 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 451.999

RL 147.16 LAL .00 LOL 89.94 VL 27.143 GAL -3.97 AZL 85.85 HCA 223.01 SMA 124.39 ECC .19529 INC 4.1527 V1 30.275
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.007 GAP 8.74 AZP 93.04 TAL 196.79 TAP 59.80 RCA 100.10 APO 148.68 V2 34.784
 RC 155.962 GL 27.82 GP -7.18 ZAL 114.93 ZAP 161.04 ETS 337.54 ZAE 130.02 ETE 186.26 ZAC 68.04 ETC 160.52 CLP-162.40

PLANETOCENTRIC CONIC

C3 17.659 VML 4.202 OLA 15.07 RAL 323.59 RAD 6567.7 VEL 11.792 PTH 2.08 VMP 5.952 DPA -21.09 RAP 336.37 ECC 1.2906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 2 2673.45 -27.42 72.65 187.96 97.35 1 39 36 2073.5 -26.12 64.22
 90.00 16 52 19 4340.78 4.57 179.85 182.10 62.02 18 4 40 3740.8 .79 173.20
 100.00 2 24 34 2384.74 -28.68 51.21 187.76 98.81 3 4 18 1784.7 -27.17 42.74
 100.00 18 5 29 4104.73 5.68 161.88 181.49 60.60 19 13 54 3504.7 1.72 155.33
 110.00 3 51 3 2114.11 -31.98 29.93 187.03 102.78 4 26 17 1514.1 -29.89 21.34
 110.00 18 55 29 3948.12 8.55 148.25 179.73 56.78 20 1 17 3348.1 4.12 141.96

DIFFERENTIAL CORRECTIONS

TDE 1.3482 TRA-1.3529 TC3-4.5282 BAU 1.0699
 RDE .1688 RRA -.0012 RC3 .1857 FAU .04831
 FDE .8684 FRA .0827 FC3-2.3682 BSP 14634
 BDE 1.3587 BRA 1.3529 BC3 4.5320 FSP -654

MID-COURSE EXECUTION ACCURACY

SGT 4638.1 SGR 278.1 SG3 200.4
 RRT -.1300 RRF -.0596 RTF .8859
 SGB 4646.5 R23 -.0565 R13 -.8859
 SG1 4638.3 SG2 275.7 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 1928.8 SR 230.2 SS 609.9
 CRT .9523 CRS -.9970 CST -.9456
 LSA 2026.1 MSA 199.9 SSA 15.6
 EL1 1941.3 EL2 69.8 ALF 6.49

LAUNCH DATE DEC 22 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 457.755

RL 147.16 LAL .00 LOL 89.94 VL 27.086 GAL -3.60 AZL 85.94 HCA 226.17 SMA 124.03 ECC .19641 INC 4.0636 V1 30.275
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.966 GAP 8.94 AZP 92.82 TAL 195.04 TAP 61.21 RCA 99.67 APO 148.39 V2 34.785
 RC 158.168 GL 27.55 GP -6.66 ZAL 112.61 ZAP 162.09 ETS 338.01 ZAE 130.05 ETE 185.79 ZAC 69.98 ETC 161.38 CLP-163.34

PLANETOCENTRIC CONIC

C3 17.159 VML 4.142 OLA 15.72 RAL 326.05 RAD 6567.7 VEL 11.770 PTH 2.08 VMP 6.056 DPA -19.81 RAP 338.38 ECC 1.2824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 52 2690.15 -27.56 73.85 190.19 96.76 1 43 42 2090.1 -26.34 65.40
 90.00 17 8 9 4310.80 3.61 178.17 184.27 61.89 18 20 0 3710.8 -1.18 171.53
 100.00 2 28 53 2399.85 -28.83 52.31 190.00 98.25 3 8 53 1799.8 -27.39 43.80
 100.00 18 20 49 4076.33 4.73 160.31 183.65 60.45 19 28 46 3476.3 .76 153.77
 110.00 3 56 25 2125.99 -32.15 30.81 189.30 102.29 4 31 51 1526.0 -30.13 22.19
 110.00 19 9 47 3922.95 7.61 146.91 181.87 56.57 20 15 10 3323.0 3.16 140.64

DIFFERENTIAL CORRECTIONS

TDE 1.3898 TRA-1.2338 TC3-4.7330 BAU 1.0867
 RDE .1744 RRA -.0111 RC3 .1996 FAU .04606
 FDE .8511 FRA .1422 FC3-2.3240 BSP 14848
 BDE 1.4007 BRA 1.2338 BC3 4.7372 FSP -635

MID-COURSE EXECUTION ACCURACY

SGT 4713.2 SGR 292.9 SG3 195.8
 RRT -.1133 RRF -.0568 RTF .8849
 SGB 4722.3 R23 -.0441 R13 -.8849
 SG1 4713.3 SG2 291.0 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 1998.0 SR 241.3 SS 617.6
 CRT .9658 CRS -.9950 CST -.9487
 LSA 2096.0 MSA 194.8 SSA 16.6
 EL1 2011.5 EL2 62.2 ALF 6.66

LAUNCH DATE DEC 22 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 463.499

RL 147.16 LAL .00 LOL 89.94 VL 27.030 GAL -3.22 AZL 86.02 HCA 229.33 SMA 123.68 ECC .19769 INC 3.9834 V1 30.275
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.926 GAP 9.14 AZP 92.60 TAL 193.27 TAP 62.60 RCA 99.23 APO 148.13 V2 34.787
 RC 160.359 GL 27.27 GP -6.21 ZAL 110.15 ZAP 163.10 ETS 338.34 ZAE 130.09 ETE 185.39 ZAC 71.98 ETC 162.14 CLP-164.25

PLANETOCENTRIC CONIC

C3 16.739 VML 4.091 OLA 16.44 RAL 328.63 RAD 6567.7 VEL 11.753 PTH 2.07 VMP 6.166 DPA -18.57 RAP 340.41 ECC 1.2755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 22 2710.70 -27.72 75.33 192.64 96.03 1 47 33 2110.7 -26.59 66.85
 90.00 17 25 16 4278.83 2.58 176.38 186.63 61.79 18 36 35 3678.8 -1.21 169.75
 100.00 2 32 58 2418.54 -29.01 53.67 192.47 97.55 3 13 16 1818.5 -27.66 45.13
 100.00 18 37 21 4046.22 3.72 158.65 186.00 60.32 19 44 47 3446.2 -.26 152.12
 110.00 4 1 41 2140.97 -32.36 31.93 191.81 101.66 4 37 22 1541.0 -30.42 23.25
 110.00 19 25 8 3896.56 6.61 145.51 184.21 56.39 20 30 4 3296.6 2.15 139.26

DIFFERENTIAL CORRECTIONS

TDE 1.4344 TRA-1.1098 TC3-4.9336 BAU 1.1051
 RDE .1802 RRA -.0208 RC3 .2105 FAU .04403
 FDE .8337 FRA .1963 FC3-2.2771 BSP 15132
 BDE 1.4457 BRA 1.1100 BC3 4.9381 FSP -624

MID-COURSE EXECUTION ACCURACY

SGT 4791.5 SGR 307.0 SG3 191.6
 RRT -.0946 RRF -.0515 RTF .8850
 SGB 4801.3 R23 -.0327 R13 -.8850
 SG1 4791.6 SG2 305.6 THA 179.65

ORBIT DETERMINATION ACCURACY

ST 2070.3 SR 252.5 SS 624.3
 CRT .9767 CRS -.9917 CST -.9521
 LSA 2168.8 MSA 188.8 SSA 17.7
 EL1 2085.0 EL2 53.8 ALF 6.80

LAUNCH DATE DEC 22 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 469.231

RL 147.16 LAL .00 LOL 89.94 VL 26.974 GAL -2.82 AZL 86.09 MCA 232.49 SMA 123.33 ECC .19915 INC 3.9104 V1 30.275
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.887 GAP 9.35 AZP 92.38 TAL 191.50 TAP 63.99 RCA 98.77 APO 147.89 V2 34.789
 RC 162.536 GL 26.98 GP -5.82 ZAL 107.56 ZAP 164.06 ETS 338.55 ZAE 130.14 ETE 185.05 ZAC 74.03 ETC 162.83 CLP-165.13

PLANETOCENTRIC CONIC

C3 16.399 VHL 4.050 DLA 17.21 RAL 331.34 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 6.279 DPA -17.36 RAP 342.46 ECC 1.2699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 37 2734.90 -27.88 77.09 195.31 95.17 1 51 12 2134.9 -26.87 68.57
 90.00 17 43 36 4245.21 1.50 174.50 189.21 61.72 18 54 21 3645.2 -2.29 167.87
 100.00 2 36 52 2440.61 -29.20 55.28 195.15 96.72 3 17 33 1840.6 -27.96 46.70
 100.00 18 55 1 4014.73 2.65 156.92 188.57 60.21 20 1 56 3414.7 -1.33 150.40
 110.00 4 6 56 2158.82 -32.60 33.27 194.54 100.90 4 42 55 1558.8 -30.75 24.54
 110.00 19 41 27 3869.29 5.58 144.07 186.75 56.22 20 45 56 3269.3 1.11 137.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4849 TRA -.9768 TC3-5.1164 BAU 1.1227
 RDE .1862 RRA -.0302 RC3 .2184 FAU .04203
 FDE .8177 FRA .2487 FC3-2.2189 BSP 15407
 BOE 1.4965 BRA .9772 BC3 5.1211 FSP -612

SGT 4866.0 SGR 320.4 SG3 187.4
 RRT -.0737 RRF -.0427 RTF .8854
 SGB 4876.6 R23 -.0229 R13 -.8854
 SG1 4866.1 SG2 319.5 THA 179.72

ST 2148.9 SR 263.8 SS 631.2
 CRT .9853 CRS -.9871 CST -.9557
 LSA 2247.7 MSA 182.2 SSA 18.7
 EL1 2164.5 EL2 44.7 ALF 6.90

LAUNCH DATE DEC 22 1965

FLIGHT TIME 160.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 474.950

RL 147.16 LAL .00 LOL 89.94 VL 26.919 GAL -2.42 AZL 86.16 MCA 235.65 SMA 122.99 ECC .20079 INC 3.8434 V1 30.275
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.850 GAP 9.56 AZP 92.17 TAL 189.71 TAP 65.37 RCA 98.30 APO 147.69 V2 34.792
 RC 164.699 GL 26.66 GP -5.48 ZAL 104.84 ZAP 164.99 ETS 338.65 ZAE 130.19 ETE 184.76 ZAC 76.13 ETC 163.45 CLP-166.00

PLANETOCENTRIC CONIC

C3 16.140 VHL 4.017 DLA 18.03 RAL 334.17 RAD 6567.6 VEL 11.727 PTH 2.07 VHP 6.398 DPA -16.18 RAP 344.54 ECC 1.2656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 40 2762.56 -28.03 79.10 198.20 94.17 1 54 43 2162.6 -27.16 70.54
 90.00 18 3 7 4210.29 .37 172.55 192.01 61.69 19 13 17 3610.3 -3.42 165.92
 100.00 2 40 41 2465.85 -29.38 57.14 198.06 95.76 3 21 47 1865.8 -28.27 48.51
 100.00 19 13 48 3982.23 1.55 155.13 191.35 60.14 20 20 10 3382.2 -2.43 148.61
 110.00 4 12 15 2179.33 -32.85 34.82 197.50 100.02 4 48 35 1579.3 -31.12 26.02
 110.00 19 58 42 3841.52 4.53 142.61 189.50 56.08 21 2 44 3241.5 .05 136.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.5410 TRA -.8351 TC3-5.2774 BAU 1.1397
 RDE .1925 RRA -.0391 RC3 .2234 FAU .04006
 FDE .8038 FRA .2990 FC3-2.1488 BSP 15668
 BOE 1.5529 BRA .8360 BC3 5.2821 FSP -600

SGT 4937.5 SGR 333.2 SG3 183.2
 RRT -.0512 RRF -.0305 RTF .8863
 SGB 4948.7 R23 -.0152 R13 -.8863
 SG1 4937.5 SG2 332.7 THA 179.80

ST 2233.2 SR 275.1 SS 638.7
 CRT .9915 CRS -.9816 CST -.9594
 LSA 2332.3 MSA 175.4 SSA 19.6
 EL1 2249.8 EL2 35.4 ALF 6.97

LAUNCH DATE DEC 22 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 480.656

RL 147.16 LAL .00 LOL 89.94 VL 26.865 GAL -2.00 AZL 86.22 MCA 238.82 SMA 122.66 ECC .20264 INC 3.7813 V1 30.275
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.814 GAP 9.78 AZP 91.96 TAL 187.92 TAP 66.74 RCA 97.81 APO 147.52 V2 34.796
 RC 166.847 GL 26.30 GP -5.18 ZAL 102.00 ZAP 165.88 ETS 338.62 ZAE 130.24 ETE 184.51 ZAC 78.26 ETC 164.02 CLP-166.85

PLANETOCENTRIC CONIC

C3 15.966 VHL 3.996 DLA 18.87 RAL 337.12 RAD 6567.6 VEL 11.720 PTH 2.06 VHP 6.522 DPA -15.02 RAP 346.63 ECC 1.2628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 34 2793.52 -28.17 81.35 201.31 93.05 1 58 8 2193.5 -27.45 72.76
 90.00 18 23 47 4174.40 -7.79 170.55 195.04 61.69 19 33 21 3574.4 -4.57 163.91
 100.00 2 44 26 2494.06 -29.56 59.22 201.20 94.68 3 26 0 1894.1 -28.59 50.54
 100.00 19 33 36 3949.10 .43 153.31 194.36 60.11 20 39 25 3349.1 -3.55 146.79
 110.00 4 17 41 2202.30 -33.11 36.56 200.70 99.02 4 54 24 1602.3 -31.51 27.70
 110.00 20 16 50 3813.62 3.47 141.14 192.46 55.97 21 20 24 3213.6 -1.02 134.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6047 TRA -.6801 TC3-5.4025 BAU 1.1541
 RDE .1992 RRA -.0474 RC3 .2255 FAU .03800
 FDE .7930 FRA .3512 FC3-2.0603 BSP 15836
 BOE 1.6170 BRA .6818 BC3 5.4072 FSP -583

SGT 4999.7 SGR 345.3 SG3 178.9
 RRT -.0269 RRF -.0140 RTF .8865
 SGB 5011.6 R23 -.0100 R13 -.8864
 SG1 4999.7 SG2 345.2 THA 179.89

ST 2325.3 SR 286.6 SS 647.7
 CRT .9955 CRS -.9751 CST -.9630
 LSA 2424.8 MSA 169.1 SSA 20.5
 EL1 2342.8 EL2 26.9 ALF 7.00

LAUNCH DATE DEC 22 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 486.347

RL 147.16 LAL .00 LOL 89.94 VL 26.811 GAL -1.57 AZL 86.28 MCA 241.98 SMA 122.33 ECC .20469 INC 3.7232 V1 30.275
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.779 GAP 10.01 AZP 91.75 TAL 186.12 TAP 68.10 RCA 97.29 APO 147.38 V2 34.800
 RC 168.980 GL 25.89 GP -4.91 ZAL 99.05 ZAP 166.75 ETS 338.48 ZAE 130.31 ETE 184.29 ZAC 80.43 ETC 164.53 CLP-167.68

PLANETOCENTRIC CONIC

C3 15.882 VHL 3.985 DLA 19.74 RAL 340.20 RAD 6567.6 VEL 11.716 PTH 2.06 VHP 6.652 DPA -13.86 RAP 348.73 ECC 1.2614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 22 2827.57 -28.26 83.84 204.64 91.80 2 1 30 2227.6 -27.71 75.22
 90.00 18 45 30 4137.96 -1.96 168.52 198.30 61.75 19 54 28 3538.0 -5.73 161.86
 100.00 2 48 12 2525.01 -29.71 61.50 204.56 93.49 3 30 17 1925.0 -28.91 52.79
 100.00 19 54 22 3915.75 -7.70 151.49 197.60 60.12 20 59 38 3315.7 -4.67 144.95
 110.00 4 23 18 2227.49 -33.37 38.48 204.14 97.91 5 0 25 1627.5 -31.91 29.55
 110.00 20 35 46 3786.03 2.42 139.70 195.65 55.89 21 38 52 3186.0 -2.08 133.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6692 TRA -.5194 TC3-5.5061 BAU 1.1700
 RDE .2065 RRA -.0551 RC3 .2242 FAU .03613
 FDE .7805 FRA .3981 FC3-1.9695 BSP 16092
 BOE 1.6820 BRA .5223 BC3 5.5107 FSP -573

SGT 5064.4 SGR 356.6 SG3 174.8
 RRT -.0028 RRF .0021 RTF .8881
 SGB 5077.0 R23 -.0046 R13 -.8881
 SG1 5064.4 SG2 356.6 THA 179.99

ST 2415.3 SR 298.0 SS 654.0
 CRT .9973 CRS -.9682 CST -.9664
 LSA 2514.6 MSA 162.6 SSA 21.2
 EL1 2433.5 EL2 21.8 ALF 7.02

LAUNCH DATE DEC 22 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 26.758 GAL -1.12 AZL 86.33 HCA 245.14 SMA 122.01 ECC .20697 INC 3.6683 V1 30.275
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.745 GAP 10.24 ATP 91.54 TAL 184.30 TAP 69.45 RCA 96.76 APO 147.27 V2 34.805
 RC 171.096 GL 25.43 GP -4.67 ZAL 96.00 ZAP 167.59 ETS 338.21 ZAE 130.38 ETE 184.10 ZAC 82.63 ETC 164.99 CLP-168.49

DISTANCE 492.022

PLANETOCENTRIC CONIC
 C3 15.893 VHL 3.987 OLA 20.61 RAL 343.39 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 6.788 DPA -12.72 RAP 350.85 ECC 1.2616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 8 2864.51 -28.31 86.54 208.19 90.45 2 4 52 2264.5 -27.95 77.89
 90.00 19 8 13 4101.35 -3.14 166.47 201.80 61.84 20 16 34 3501.3 -6.88 159.79
 100.00 2 52 2 2558.46 -29.82 63.99 208.15 92.19 3 34 41 1958.5 -29.20 55.24
 100.00 20 16 0 3882.63 -1.82 149.67 201.06 60.16 21 20 42 3282.6 -5.78 143.12
 110.00 4 29 9 2254.66 -33.60 40.57 207.80 96.69 5 6 43 1654.7 -32.31 31.57
 110.00 20 55 23 3759.19 1.39 138.30 199.06 55.84 21 58 2 3159.2 -3.10 132.10

MID-COURSE EXECUTION ACCURACY
 SGT 5125.5 SGR 367.2 SG3 170.8 ST 2504.9 SR 309.6 SS 659.2
 RRT .0217 RRF .0195 RTF .8900 CRT .9971 CRS -.9607 CST -.9695
 SGB 5138.7 R23 .0001 R13 .8900 LSA 2603.8 MSA 157.0 SSA 21.9
 SGI 5125.5 SG2 367.1 THA .09 EL1 2523.9 EL2 23.2 ALF 7.03

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TDE 1.7369 TRA -.3487 TC3-5.5742 BAU 1.1853
 RDE .2145 RRA -.0619 RC3 .2200 FAU .03432
 FDE .7684 FRA .4442 FC3-1.8692 BSP 16334
 BDE 1.7501 BRA .3542 BC3 5.5786 FSP -562

LAUNCH DATE DEC 22 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 26.706 GAL -.66 AZL 86.38 HCA 248.31 SMA 121.70 ECC .20949 INC 3.6162 V1 30.275
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.712 GAP 10.49 ATP 91.34 TAL 182.49 TAP 70.80 RCA 96.21 APO 147.20 V2 34.811
 RC 173.196 GL 24.90 GP -4.46 ZAL 92.87 ZAP 168.41 ETS 337.80 ZAE 130.45 ETE 183.94 ZAC 84.85 ETC 165.41 CLP-169.29

DISTANCE 497.681

PLANETOCENTRIC CONIC
 C3 16.008 VHL 4.001 OLA 21.47 RAL 346.69 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 6.931 DPA -11.59 RAP 352.97 ECC 1.2634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 52 2904.11 -28.30 89.44 211.94 89.00 2 8 16 2304.1 -28.14 80.77
 90.00 19 31 48 4065.01 -4.31 164.44 205.52 61.99 20 39 33 3465.0 -8.02 157.73
 100.00 2 56 0 2594.14 -29.88 66.64 211.94 90.79 3 39 14 1994.1 -29.45 57.86
 100.00 20 38 22 3850.21 -2.92 147.89 204.75 60.24 21 42 32 3250.2 -6.86 141.31
 110.00 4 35 17 2283.52 -33.81 42.79 211.69 95.39 5 13 21 1683.5 -32.69 33.74
 110.00 21 15 34 3733.60 .41 136.97 202.67 55.82 22 17 47 3133.6 -4.07 130.76

MID-COURSE EXECUTION ACCURACY
 SGT 5178.6 SGR 376.9 SG3 166.7 ST 2595.1 SR 321.2 SS 663.4
 RRT .0471 RRF .0385 RTF .8915 CRT .9954 CRS -.9526 CST -.9723
 SGB 5192.3 R23 -.0037 R13 .8915 LSA 2693.4 MSA 152.7 SSA 22.3
 SGI 5178.6 SG2 376.5 THA .20 EL1 2614.8 EL2 30.6 ALF 7.02

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TDE 1.8090 TRA -.1640 TC3-5.5948 BAU 1.1982
 RDE .2232 RRA -.0678 RC3 .2128 FAU .03247
 FDE .7566 FRA .4921 FC3-1.7560 BSP 16487
 BDE 1.8227 BRA .1775 BC3 5.5949 FSP -548

LAUNCH DATE DEC 22 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 26.654 GAL -.18 AZL 86.43 HCA 251.48 SMA 121.39 ECC .21227 INC 3.5664 V1 30.275
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.680 GAP 10.74 ATP 91.13 TAL 180.67 TAP 72.14 RCA 95.63 APO 147.16 V2 34.817
 RC 175.278 GL 24.30 GP -4.27 ZAL 89.67 ZAP 169.21 ETS 337.24 ZAE 130.54 ETE 183.80 ZAC 87.10 ETC 165.79 CLP-170.08

DISTANCE 503.320

PLANETOCENTRIC CONIC
 C3 16.235 VHL 4.029 OLA 22.30 RAL 350.09 RAD 6567.7 VEL 11.731 PTH 2.07 VHP 7.081 DPA -10.46 RAP 355.11 ECC 1.2672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 40 2946.06 -28.21 92.50 215.88 87.46 2 11 46 2346.1 -28.27 83.84
 90.00 19 56 7 4029.46 -5.44 162.44 209.47 62.17 21 3 16 3429.5 -9.12 155.70
 100.00 3 0 9 2631.70 -29.89 69.43 215.93 89.32 3 44 1 2031.7 -29.66 60.63
 100.00 21 1 18 3819.05 -3.97 146.17 208.66 60.35 22 4 57 3219.1 -7.89 139.58
 110.00 4 41 47 2313.76 -33.98 45.14 215.79 94.01 5 20 21 1713.8 -33.05 36.02
 110.00 21 36 10 3709.76 -.50 135.72 206.50 55.82 22 38 0 3109.8 -4.98 129.50

MID-COURSE EXECUTION ACCURACY
 SGT 5231.1 SGR 385.9 SG3 162.2 ST 2673.9 SR 332.8 SS 662.8
 RRT .0717 RRF .0574 RTF .8950 CRT .9923 CRS -.9450 CST -.9749
 SGB 5245.3 R23 -.0071 R13 .8950 LSA 2770.8 MSA 148.3 SSA 22.6
 SGI 5231.2 SG2 384.9 THA .30 EL1 2694.3 EL2 40.8 ALF 7.04

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TDE 1.8780 TRA .0228 TC3-5.5817 BAU 1.2123
 RDE .2328 RRA -.0730 RC3 .2029 FAU .03074
 FDE .7416 FRA .5308 FC3-1.6395 BSP 16762
 BDE 1.8924 BRA .0765 BC3 5.5854 FSP -543

LAUNCH DATE DEC 22 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.16 LAL .00 LOL 89.94 VL 26.603 GAL .32 AZL 86.48 HCA 254.64 SMA 121.09 ECC .21533 INC 3.5183 V1 30.275
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.650 GAP 11.01 ATP 90.93 TAL 178.84 TAP 73.49 RCA 95.02 APO 147.17 V2 34.824
 RC 177.341 GL 23.63 GP -4.10 ZAL 86.42 ZAP 169.99 ETS 336.49 ZAE 130.62 ETE 183.68 ZAC 89.37 ETC 166.13 CLP-170.86

DISTANCE 508.938

PLANETOCENTRIC CONIC
 C3 16.583 VHL 4.072 OLA 23.09 RAL 353.56 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 7.240 DPA -9.33 RAP 357.25 ECC 1.2729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 33 2990.02 -28.04 95.70 219.99 85.87 2 15 23 2390.0 -28.32 87.05
 90.00 20 20 58 3995.23 -6.52 160.51 213.63 62.38 21 27 34 3395.2 -10.17 153.73
 100.00 3 4 34 2670.73 -29.82 72.33 220.10 87.80 3 49 5 2070.8 -29.81 63.52
 100.00 21 24 38 3789.72 -4.96 144.55 212.77 60.48 22 27 48 3189.7 -8.85 137.93
 110.00 4 48 41 2345.02 -34.10 47.57 220.09 92.58 5 27 46 1745.0 -33.37 38.41
 110.00 21 57 1 3688.22 -1.32 134.60 210.51 55.84 22 58 29 3088.2 -5.80 128.37

MID-COURSE EXECUTION ACCURACY
 SGT 5280.1 SGR 394.3 SG3 158.5 ST 2754.9 SR 344.7 SS 668.0
 RRT .0976 RRF .0821 RTF .8963 CRT .9882 CRS -.9370 CST -.9773
 SGB 5294.8 R23 -.0059 R13 .8963 LSA 2851.8 MSA 146.9 SSA 22.7
 SGI 5280.2 SG2 392.4 THA .42 EL1 2775.9 EL2 52.4 ALF 7.05

ORBIT DETERMINATION ACCURACY

DIFFERENTIAL CORRECTIONS
 TDE 1.9543 TRA .2298 TC3-5.5177 BAU 1.2240
 RDE .2437 RRA -.0767 RC3 .1908 FAU .02893
 FDE .7346 FRA .5787 FC3-1.5103 BSP 16911
 BDE 1.9694 BRA .2423 BC3 5.5210 FSP -525

LAUNCH DATE DEC 22 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 514.533

RL 147.16 LAL .00 LOL 89.94 VL 26.553 GAL .83 AZL 86.53 HCA 257.81 SMA 120.80 ECC .21869 INC 3.4716 V1 30.275
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.621 GAP 11.29 AZP 90.73 TAL 177.02 TAP 74.83 RCA 94.38 APO 147.22 V2 34.832
 RC 179.385 GL 22.90 GP -3.95 ZAL 83.14 ZAP 170.75 ETS 335.53 ZAE 130.71 ETE 183.57 ZAC 91.65 ETC 166.43 CLP-171.62

PLANETOCENTRIC CONIC

C3 17.067 VHL 4.131 CLA 23.84 RAL 357.11 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 7.408 DPA -8.21 RAP 359.39 ECC 1.2809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 38 3035.57 -27.77 99.01 224.26 84.23 2 19 13 2435.6 -28.28 90.38
 90.00 20 46 11 3962.88 -7.54 158.68 217.98 62.63 21 52 14 3362.9 -11.15 151.86
 100.00 3 9 20 2710.85 -29.68 75.30 224.44 86.24 3 54 31 2110.9 -29.88 66.50
 100.00 21 48 9 3762.83 -5.86 143.06 217.06 60.64 22 50 52 3162.8 -9.73 136.41
 110.00 4 56 4 2376.94 -34.17 50.06 224.56 91.10 5 35 41 1776.9 -33.64 40.86
 110.00 22 17 55 3669.51 -2.04 133.62 214.69 55.87 23 19 4 3069.5 -6.50 127.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0286 TRA .4474 TC3-5.4066 BAU 1.2343
 RDE .2556 RRA -.0793 RC3 .1765 FAU .02721
 FDE .7240 FRA .6249 FC3-1.3802 BSP 17031
 BOE 2.0446 BRA .4543 BC3 5.4095 FSP -510

SGT 5322.7 SGR 401.7 SG3 154.7
 RRT .1236 RRF .1053 RTF .8983
 SGB 5337.8 R23 -.0064 R13 .8983
 SG1 5322.9 SG2 398.6 THA .54

ST 2824.0 SR 356.4 SS 668.3
 CRT .9832 CRS -.9287 CST -.9793
 LSA 2920.0 MSA 146.7 SSA 22.5
 EL1 2845.6 EL2 64.5 ALF 7.08

LAUNCH DATE DEC 22 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 520.103

RL 147.16 LAL .00 LOL 89.94 VL 26.503 GAL 1.37 AZL 86.57 HCA 260.98 SMA 120.51 ECC .22238 INC 3.4260 V1 30.275
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.593 GAP 11.59 AZP 90.54 TAL 175.19 TAP 76.18 RCA 93.71 APO 147.31 V2 34.840
 RC 181.409 GL 22.11 GP -3.81 ZAL 79.85 ZAP 171.49 ETS 334.32 ZAE 130.80 ETE 183.48 ZAC 93.95 ETC 166.70 CLP-172.38

PLANETOCENTRIC CONIC

C3 17.699 VHL 4.207 CLA 24.52 RAL .70 RAD 6567.7 VEL 11.793 PTH 2.09 VHP 7.586 DPA -7.10 RAP 1.55 ECC 1.2913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 58 3082.19 -27.41 102.37 228.65 82.58 2 23 20 2482.2 -28.15 93.79
 90.00 21 11 28 3933.09 -8.47 156.98 222.49 62.88 22 17 1 3333.1 -12.04 150.12
 100.00 3 14 33 2751.45 -29.46 78.30 228.91 84.68 4 0 24 2151.4 -29.88 69.52
 100.00 22 11 34 3739.07 -6.65 141.74 221.51 60.79 23 13 53 3139.1 -10.49 135.06
 110.00 5 3 58 2409.11 -34.18 52.58 229.19 89.62 5 44 7 1809.1 -33.86 43.35
 110.00 22 38 38 3654.17 -2.62 132.82 219.02 55.91 23 39 32 3054.2 -7.08 126.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0987 TRA .6734 TC3-5.2596 BAU 1.2451
 RDE .2686 RRA -.0807 RC3 .1606 FAU .02562
 FDE .7111 FRA .6671 FC3-1.2531 BSP 17235
 BOE 2.1158 BRA .6782 BC3 5.2621 FSP -501

SGT 5363.8 SGR 408.3 SG3 150.8
 RRT .1488 RRF .1279 RTF .9015
 SGB 5379.3 R23 -.0071 R13 .9015
 SG1 5364.1 SG2 403.7 THA .65

ST 2877.2 SR 367.6 SS 664.7
 CRT .9776 CRS -.9207 CST -.9810
 LSA 2972.1 MSA 147.3 SSA 22.0
 EL1 2899.6 EL2 76.7 ALF 7.13

LAUNCH DATE DEC 22 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 525.643

RL 147.16 LAL .00 LOL 89.94 VL 26.454 GAL 1.93 AZL 86.62 HCA 264.15 SMA 120.23 ECC .22643 INC 3.3812 V1 30.275
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.565 GAP 11.90 AZP 90.34 TAL 173.37 TAP 77.52 RCA 93.00 APO 147.45 V2 34.849
 RC 183.413 GL 21.26 GP -3.68 ZAL 76.57 ZAP 172.22 ETS 332.79 ZAE 130.90 ETE 183.41 ZAC 96.26 ETC 166.93 CLP-173.14

PLANETOCENTRIC CONIC

C3 18.497 VHL 4.301 CLA 25.13 RAL 4.31 RAD 6567.7 VEL 11.827 PTH 2.09 VHP 7.775 DPA -5.98 RAP 3.71 ECC 1.3044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 40 3129.31 -26.95 105.75 233.15 80.95 2 27 49 2529.3 -27.92 97.21
 90.00 21 36 33 3906.56 -9.29 155.46 227.15 63.13 22 41 40 3306.6 -12.82 148.57
 100.00 3 20 18 2792.00 -29.16 81.28 233.50 83.13 4 6 50 2192.0 -29.81 72.53
 100.00 22 34 37 3719.10 -7.31 140.63 226.09 60.94 23 36 36 3119.1 -11.13 133.93
 110.00 5 12 26 2441.16 -34.14 55.08 233.94 88.14 5 53 7 1841.2 -34.02 45.84
 110.00 22 58 58 3642.71 -3.06 132.22 223.47 55.94 23 59 41 3042.7 -7.51 125.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1697 TRA .9157 TC3-5.0630 BAU 1.2525
 RDE .2829 RRA -.0807 RC3 .1438 FAU .02396
 FDE .6992 FRA .7112 FC3-1.1214 BSP 17336
 BOE 2.1881 BRA .9193 BC3 5.0651 FSP -488

SGT 5397.8 SGR 414.0 SG3 147.0
 RRT .1748 RRF .1526 RTF .9044
 SGB 5413.7 R23 -.0064 R13 .9043
 SG1 5398.3 SG2 407.6 THA .77

ST 2921.6 SR 378.5 SS 660.6
 CRT .9715 CRS -.9127 CST -.9826
 LSA 3015.4 MSA 149.5 SSA 21.4
 EL1 2944.7 EL2 89.1 ALF 7.18

LAUNCH DATE DEC 22 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 531.150

RL 147.16 LAL .00 LOL 89.94 VL 26.406 GAL 2.52 AZL 86.66 HCA 267.33 SMA 119.95 ECC .23086 INC 3.3369 V1 30.275
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.539 GAP 12.24 AZP 90.16 TAL 171.55 TAP 78.88 RCA 92.26 APO 147.64 V2 34.858
 RC 185.395 GL 20.36 GP -3.56 ZAL 73.32 ZAP 172.93 ETS 330.87 ZAE 130.99 ETE 183.34 ZAC 98.58 ETC 167.13 CLP-173.89

PLANETOCENTRIC CONIC

C3 19.480 VHL 4.414 CLA 25.66 RAL 7.91 RAD 6567.8 VEL 11.868 PTH 2.11 VHP 7.976 DPA -4.88 RAP 5.87 ECC 1.3206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 54 3176.18 -26.40 109.07 237.73 79.37 2 32 50 2576.2 -27.60 100.61
 90.00 22 1 6 3884.10 -9.98 154.17 231.92 63.36 23 5 50 3284.1 -13.48 147.24
 100.00 3 26 42 2831.87 -28.80 84.19 238.18 81.64 4 13 54 2231.9 -29.66 75.49
 100.00 22 56 59 3703.64 -7.82 139.77 230.77 61.06 23 58 42 3103.6 -11.62 133.04
 110.00 5 21 29 2472.71 -34.04 57.54 238.81 86.68 6 2 42 1872.7 -34.13 48.29
 110.00 23 18 41 3635.57 -3.33 131.85 228.01 55.96 24 19 16 3035.6 -7.78 125.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2343 TRA 1.1679 TC3-4.8382 BAU 1.2604
 RDE .2983 RRA -.0792 RC3 .1264 FAU .02243
 FDE .6856 FRA .7537 FC3 -.9968 BSP 17492
 BOE 2.2541 BRA 1.1706 BC3 4.8399 FSP -478

SGT 5429.7 SGR 418.8 SG3 143.1
 RRT .1999 RRF .1767 RTF .9077
 SGB 5445.8 R23 -.0059 R13 .9077
 SG1 5430.3 SG2 410.3 THA .89

ST 2946.8 SR 388.7 SS 653.4
 CRT .9650 CRS -.9046 CST -.9840
 LSA 3039.4 MSA 152.8 SSA 20.7
 EL1 2970.7 EL2 101.2 ALF 7.26

LAUNCH DATE DEC 22 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 536.620

RL 147.16 LAL .00 LOL 89.94 VL 26.358 GAL 3.13 AZL 86.71 MCA 270.50 SMA 119.68 ECC .23572 INC 3.2928 V1 30.275
 RP 108.68 LAP -3.29 LOP .44 VP 36.514 GAP 12.59 AZP 89.97 TAL 169.74 TAP 80.24 RCA 91.47 APO 147.89 V2 34.868
 RC 187.357 GL 19.42 GP -3.46 ZAL 70.12 ZAP 173.62 ETS 328.42 ZAE 131.09 ETE 183.29 ZAC 100.91 ETC 167.30 CLP-174.63

PLANETOCENTRIC CONIC

C3 20.671 VML 4.547 DLA 26.10 RAL 11.49 RAD 6567.8 VEL 11.919 PTH 2.12 VHP 8.191 OPA -3.78 RAP 8.04 ECC 1.3402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 50 3221.98 -25.79 112.28 242.37 77.87 2 38 32 2622.0 -27.20 103.90
 90.00 22 24 44 3866.57 -10.51 153.16 236.76 63.55 23 29 10 3266.6 -13.98 146.20
 100.00 3 33 52 2870.44 -28.39 86.98 242.93 80.23 4 21 43 2270.4 -29.45 78.34
 100.00 23 18 22 3693.35 -8.16 139.19 235.51 61.14 24 19 55 3093.4 -11.95 132.45
 110.00 5 31 10 2503.45 -33.89 59.93 243.75 85.28 6 12 53 1903.5 -34.18 50.69
 110.00 23 37 34 3633.10 -3.43 131.72 232.61 55.97 24 38 7 3033.1 -7.87 125.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2955 TRA 1.4348 TC3-4.5813 BAU 1.2664 SGT 5456.8 SGR 422.7 SG3 139.4 ST 2957.8 SR 398.0 SS 644.7
 ROE .3148 RRA -.0762 RC3 .1090 FAU .02093 RRT .2252 RRF .2012 RTF .9111 CRT .9580 CRS -.8963 CST -.9852
 FDE .6718 FRA .7972 FC3 -.8768 BSP 17623 SGB 5473.2 R23 -.0053 R13 .9111 LSA 3049.2 MSA 157.3 SSA 19.9
 BOE 2.3170 BRA 1.4369 BC3 4.5826 FSP -467 SG1 5457.7 SG2 411.8 TMA 1.01 EL1 2982.4 EL2 113.2 ALF 7.36

LAUNCH DATE DEC 22 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 542.047

RL 147.16 LAL .00 LOL 89.94 VL 26.311 GAL 3.77 AZL 86.75 MCA 273.68 SMA 119.41 ECC .24104 INC 3.2486 V1 30.275
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.490 GAP 12.97 AZP 89.79 TAL 167.93 TAP 81.61 RCA 90.63 APO 148.19 V2 34.878
 RC 189.297 GL 18.45 GP -3.36 ZAL 66.98 ZAP 174.28 ETS 325.30 ZAE 131.18 ETE 183.24 ZAC 103.25 ETC 167.44 CLP-175.38

PLANETOCENTRIC CONIC

C3 22.099 VML 4.701 DLA 26.46 RAL 15.02 RAD 6567.9 VEL 11.978 PTH 2.13 VHP 8.422 OPA -2.68 RAP 10.22 ECC 1.3637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 41 3265.75 -25.12 115.32 247.05 76.49 2 45 6 2665.7 -26.74 107.02
 90.00 22 47 2 3854.97 -10.86 152.49 241.64 63.69 23 51 17 3255.0 -14.31 145.51
 100.00 3 41 56 2907.09 -27.94 89.61 247.73 78.92 4 30 23 2307.1 -29.18 81.03
 100.00 23 38 28 3688.86 -8.31 138.94 240.28 61.18 24 39 57 3088.9 -12.09 132.19
 110.00 5 41 27 2533.14 -33.70 62.22 248.75 83.93 6 23 40 1933.1 -34.18 53.01
 110.00 23 55 27 3635.58 -3.33 131.85 237.23 55.96 24 56 2 3035.6 -7.78 125.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3555 TRA 1.7195 TC3-4.2945 BAU 1.2690 SGT 5479.5 SGR 425.8 SG3 135.9 ST 2958.1 SR 406.4 SS 636.2
 ROE .3325 RRA -.0715 RC3 .0923 FAU .01942 RRT .2510 RRF .2271 RTF .9145 CRT .9507 CRS -.8882 CST -.9864
 FDE .6593 FRA .8424 FC3 -.7607 BSP 17661 SGB 5496.0 R23 -.0038 R13 .9145 LSA 3048.5 MSA 162.6 SSA 19.0
 BOE 2.3788 BRA 1.7210 BC3 4.2945 FSP -453 SG1 5480.6 SG2 412.1 TMA 1.12 EL1 2983.2 EL2 125.0 ALF 7.45

LAUNCH DATE DEC 22 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 547.425

RL 147.16 LAL .00 LOL 89.94 VL 26.265 GAL 4.45 AZL 86.80 MCA 276.86 SMA 119.15 ECC .24688 INC 3.2040 V1 30.275
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.467 GAP 13.38 AZP 89.62 TAL 166.14 TAP 83.00 RCA 89.73 APO 148.56 V2 34.889
 RC 191.216 GL 17.46 GP -3.28 ZAL 63.92 ZAP 174.92 ETS 321.25 ZAE 131.27 ETE 183.20 ZAC 105.59 ETC 167.54 CLP-176.12

PLANETOCENTRIC CONIC

C3 23.795 VML 4.878 DLA 26.73 RAL 18.48 RAD 6568.0 VEL 12.049 PTH 2.15 VHP 8.669 OPA -1.60 RAP 12.39 ECC 1.3916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 42 3306.38 -24.45 118.10 251.77 75.25 2 52 49 2706.4 -26.24 109.89
 90.00 23 7 36 3850.34 -11.00 152.22 246.50 63.74 24 11 46 3250.3 -14.44 145.23
 100.00 3 50 57 2941.29 -27.47 92.04 252.57 77.72 4 39 58 2341.3 -28.88 83.53
 100.00 0 0 58 3690.66 -8.25 139.04 245.05 61.17 1 2 29 3090.7 -12.03 132.30
 110.00 5 52 18 2561.58 -33.48 64.41 253.78 82.65 6 35 0 1961.6 -34.13 55.23
 110.00 0 16 6 3643.13 -3.04 132.25 241.85 55.94 1 16 50 3043.1 -7.49 125.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4066 TRA 2.0159 TC3-3.9974 BAU 1.2719 SGT 5497.9 SGR 427.8 SG3 132.2 ST 2938.8 SR 413.2 SS 625.0
 ROE .3511 RRA -.0651 RC3 .0763 FAU .01803 RRT .2758 RRF .2518 RTF .9184 CRT .9429 CRS -.8796 CST -.9873
 FDE .6447 FRA .8866 FC3 -.6561 BSP 17793 SGB 5514.6 R23 -.0030 R13 .9184 LSA 3028.1 MSA 168.5 SSA 18.1
 BOE 2.4321 BRA 2.0169 BC3 3.9981 FSP -444 SG1 5499.2 SG2 411.1 TMA 1.24 EL1 2964.6 EL2 136.4 ALF 7.57

LAUNCH DATE DEC 22 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 552.746

RL 147.16 LAL .00 LOL 89.94 VL 26.219 GAL 5.16 AZL 86.84 MCA 280.04 SMA 118.89 ECC .25328 INC 3.1589 V1 30.275
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.445 GAP 13.82 AZP 89.45 TAL 164.36 TAP 84.40 RCA 88.78 APO 149.01 V2 34.900
 RC 193.113 GL 16.46 GP -3.20 ZAL 60.96 ZAP 175.53 ETS 315.94 ZAE 131.35 ETE 183.16 ZAC 107.92 ETC 167.61 CLP-176.87

PLANETOCENTRIC CONIC

C3 25.799 VML 5.079 DLA 26.92 RAL 21.85 RAD 6568.0 VEL 12.132 PTH 2.17 VHP 8.936 OPA -.53 RAP 14.57 ECC 1.4246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 9 3342.86 -23.79 120.57 256.51 74.18 3 1 52 2742.9 -25.74 112.44
 90.00 23 26 0 3853.63 -10.90 152.41 251.32 63.70 24 30 14 3253.6 -14.35 145.43
 100.00 4 0 59 2972.64 -26.99 94.25 257.43 76.65 4 50 32 2372.6 -28.56 85.80
 100.00 0 17 47 3699.09 -7.97 139.51 249.77 61.09 1 19 26 3099.1 -11.77 132.78
 110.00 6 3 41 2588.72 -33.22 66.49 258.82 81.45 6 46 50 1988.7 -34.05 57.35
 110.00 0 31 35 3655.78 -2.56 132.91 246.44 55.90 1 32 30 3055.8 -7.02 126.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4540 TRA 2.3295 TC3-3.6882 BAU 1.2722 SGT 5512.3 SGR 428.8 SG3 128.8 ST 2908.2 SR 418.7 SS 613.8
 ROE .3706 RRA -.0570 RC3 .0615 FAU .01667 RRT .3007 RRF .2771 RTF .9222 CRT .9347 CRS -.8710 CST -.9883
 FDE .6310 FRA .9323 FC3 -.5595 BSP 17898 SGB 5528.9 R23 -.0019 R13 .9222 LSA 2996.4 MSA 174.9 SSA 17.2
 BOE 2.4819 BRA 2.3302 BC3 3.6887 FSP -434 SG1 5513.8 SG2 408.9 TMA 1.35 EL1 2934.4 EL2 147.4 ALF 7.68

LAUNCH DATE DEC 22 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 558.000

RL 147.16 LAL .00 LOL 89.94 VL 26.174 GAL 5.91 AZL 86.89 MCA 283.22 SMA 118.64 ECC .26031 INC 3.1128 V1 30.275
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.424 GAP 14.29 AZP 89.29 TAL 162.60 TAP 85.82 RCA 87.76 APO 149.53 V2 34.912
 RC 194.989 GL 15.45 GP -3.13 ZAL 58.11 ZAP 176.07 ETS 308.91 ZAE 131.43 ETE 183.13 ZAC 110.26 ETC 167.65 CLP-177.63

PLANETOCENTRIC CONIC

C3 28.157 VHL 5.306 DLA 27.02 RAL 25.10 RAD 6568.1 VEL 12.228 PTH 2.20 VHP 9.225 CPA .54 RAP 16.75 ECC 1.4634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 12 3374.36 -23.19 122.69 261.27 73.28 3 12 26 2774.4 -25.26 114.63
 90.00 23 41 56 3865.60 -10.54 153.10 256.06 63.57 24 46 22 3265.6 -14.01 146.14
 100.00 4 12 2 3000.95 -26.53 96.23 262.29 75.70 5 2 3 2400.9 -28.24 87.84
 100.00 0 32 43 3714.24 -7.47 140.36 254.42 60.97 1 34 38 3114.2 -11.29 133.65
 110.00 6 15 31 2614.54 -32.94 68.46 263.86 80.32 6 59 6 2014.5 -33.93 59.36
 110.00 0 45 44 3673.41 -1.89 133.83 250.98 55.86 1 46 57 3073.4 -6.36 127.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4970 TRA 2.6612 TC3-3.3736 BAU 1.2701 SGT 5522.0 SGR 428.9 SG3 125.3 ST 2866.5 SR 422.4 SS 602.4
 RDE .3909 RRA -.0470 RC3 .0482 FAU .01536 RRT .3255 RRF .3022 RTF .9263 CRT .9260 CRS -.8620 CST -.9892
 FDE .6173 FRA .9793 FC3 -.4722 BSP 17993 SGB 5538.6 R23 -.0010 R13 .9263 LSA 2953.8 MSA 181.5 SSA 16.4
 BDE 2.5274 BRA 2.6616 BC3 3.3740 FSP -424 SGI 5523.7 SG2 405.5 TMA 1.46 ELI 2893.2 EL2 158.0 ALF 7.79

LAUNCH DATE DEC 22 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 563.178

RL 147.16 LAL .00 LOL 89.94 VL 26.130 GAL 6.71 AZL 86.93 MCA 286.41 SMA 118.40 ECC .26804 INC 3.0654 V1 30.275
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.404 GAP 14.81 AZP 89.13 TAL 160.86 TAP 87.27 RCA 86.67 APO 150.14 V2 34.924
 RC 196.842 GL 14.45 GP -3.06 ZAL 55.37 ZAP 176.54 ETS 299.59 ZAE 131.49 ETE 183.11 ZAC 112.59 ETC 167.64 CLP-178.39

PLANETOCENTRIC CONIC

C3 30.926 VHL 5.561 DLA 27.05 RAL 28.24 RAD 6568.2 VEL 12.341 PTH 2.23 VHP 9.537 CPA 1.59 RAP 18.94 ECC 1.5090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 53 3400.54 -22.67 124.43 266.05 72.56 3 24 34 2800.5 -24.84 116.43
 90.00 23 55 15 3886.39 -9.91 154.30 260.68 63.34 25 0 1 3286.4 -13.41 147.38
 100.00 4 24 0 3026.22 -26.10 97.98 267.15 74.88 5 14 26 2426.2 -27.92 89.65
 100.00 0 45 45 3735.94 -6.75 141.57 258.99 60.81 1 48 1 3135.9 -10.59 134.89
 110.00 6 27 42 2639.14 -32.65 70.31 268.87 79.25 7 11 41 2039.1 -33.78 61.26
 110.00 0 58 32 3695.79 -1.03 134.99 255.46 55.83 2 0 8 3095.8 -5.51 128.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5397 TRA 3.0165 TC3-3.0543 BAU 1.2629 SGT 5528.4 SGR 428.2 SG3 122.1 ST 2820.1 SR 424.5 SS 592.5
 RDE .4119 RRA -.0350 RC3 .0367 FAU .01402 RRT .3508 RRF .3283 RTF .9304 CRT .9167 CRS -.8530 CST -.9901
 FDE .6055 FRA 1.0296 FC3 -.3924 BSP 17979 SGB 5545.0 R23 .0002 R13 .9304 LSA 2906.6 MSA 188.0 SSA 15.6
 BDE 2.5728 BRA 3.0167 BC3 3.0545 FSP -411 SGI 5530.5 SG2 400.8 TMA 1.56 ELI 2846.9 EL2 168.0 ALF 7.88

LAUNCH DATE DEC 22 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 568.264

RL 147.16 LAL .00 LOL 89.94 VL 26.087 GAL 7.56 AZL 86.98 MCA 289.59 SMA 118.16 ECC .27655 INC 3.0165 V1 30.275
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.385 GAP 15.37 AZP 88.99 TAL 159.16 TAP 88.75 RCA 85.49 APO 150.84 V2 34.936
 RC 198.673 GL 13.46 GP -3.00 ZAL 52.75 ZAP 176.89 ETS 287.56 ZAE 131.55 ETE 183.09 ZAC 114.91 ETC 167.61 CLP-179.16

PLANETOCENTRIC CONIC

C3 34.174 VHL 5.846 DLA 27.01 RAL 31.23 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 9.878 CPA 2.62 RAP 21.12 ECC 1.5624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 4 3421.65 -22.23 125.82 270.83 72.00 3 38 5 2821.7 -24.49 117.87
 90.00 0 9 55 3915.58 -9.01 155.98 265.17 63.04 1 15 11 3315.6 -12.56 149.10
 100.00 4 36 45 3048.69 -25.69 99.53 271.99 74.16 5 27 34 2448.7 -27.61 91.25
 100.00 0 56 55 3763.78 -5.83 143.12 263.45 60.63 1 59 39 3163.8 -9.70 136.47
 110.00 6 40 8 2662.63 -32.34 72.07 273.85 78.26 7 24 30 2062.6 -33.61 63.08
 110.00 1 10 2 3722.60 -.01 136.39 259.85 55.82 2 12 4 3122.6 -4.49 130.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5751 TRA 3.3883 TC3-2.7463 BAU 1.2548 SGT 5529.2 SGR 426.4 SG3 118.9 ST 2762.2 SR 424.6 SS 582.1
 RDE .4332 RRA -.0211 RC3 .0267 FAU .01278 RRT .3753 RRF .3534 RTF .9348 CRT .9069 CRS -.8436 CST -.9910
 FDE .5931 FRA 1.0804 FC3 -.3239 BSP 18075 SGB 5545.6 R23 .0009 R13 .9348 LSA 2847.9 MSA 194.4 SSA 14.8
 BDE 2.6113 BRA 3.3883 BC3 2.7464 FSP -402 SGI 5531.5 SG2 395.0 TMA 1.67 ELI 2789.0 EL2 177.2 ALF 7.97

LAUNCH DATE DEC 22 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 573.243

RL 147.16 LAL .00 LOL 89.94 VL 26.045 GAL 8.46 AZL 87.03 MCA 292.78 SMA 117.93 ECC .28594 INC 2.9655 V1 30.275
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.366 GAP 15.98 AZP 88.85 TAL 157.48 TAP 90.27 RCA 84.21 APO 151.65 V2 34.948
 RC 200.481 GL 12.49 GP -2.94 ZAL 50.26 ZAP 177.06 ETS 273.05 ZAE 131.58 ETE 183.07 ZAC 117.23 ETC 167.53 CLP-179.95

PLANETOCENTRIC CONIC

C3 37.986 VHL 6.163 DLA 26.90 RAL 34.09 RAD 6568.5 VEL 12.624 PTH 2.29 VHP 10.249 CPA 3.64 RAP 23.30 ECC 1.6251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 25 3438.48 -21.87 126.92 275.61 71.56 3 52 43 2838.5 -24.19 119.02
 90.00 0 18 20 3952.17 -7.88 158.07 269.52 62.71 1 24 12 3352.2 -11.47 151.24
 100.00 4 50 7 3068.73 -25.31 100.89 276.79 73.54 5 41 15 2468.7 -27.32 92.67
 100.00 1 6 19 3797.16 -4.71 144.96 267.80 60.45 2 9 36 3197.2 -8.61 138.35
 110.00 6 52 41 2685.18 -32.01 73.75 278.77 77.31 7 37 26 2085.2 -33.42 64.81
 110.00 1 20 14 3753.48 1.17 138.00 264.14 55.83 2 22 47 3153.5 -3.32 131.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6053 TRA 3.7847 TC3-2.4464 BAU 1.2424 SGT 5525.0 SGR 423.5 SG3 115.8 ST 2697.2 SR 422.8 SS 572.7
 RDE .4548 RRA -.0052 RC3 .0184 FAU .01158 RRT .3993 RRF .3785 RTF .9394 CRT .8962 CRS -.8339 CST -.9919
 FDE .5816 FRA 1.1341 FC3 -.2640 BSP 18132 SGB 5541.2 R23 .0017 R13 .9394 LSA 2782.3 MSA 200.4 SSA 14.1
 BDE 2.6447 BRA 3.7847 BC3 2.4465 FSP -393 SGI 5527.6 SG2 388.1 TMA 1.76 ELI 2723.8 EL2 185.8 ALF 8.03

LAUNCH DATE DEC 22 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 578.093

RL 147.16 LAL .00 LOL 89.94 VL 26.003 GAL 9.43 AZL 87.09 HCA 295.98 SMA 117.70 ECC .29632 INC 2.9121 V1 30.275
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.349 GAP 16.65 AZP 88.72 TAL 155.85 TAP 91.83 RCA 82.83 APO 152.58 V2 34.961
 RC 202.264 GL 11.54 GP -2.89 ZAL 47.90 ZAP 177.01 ETS 257.58 ZAE 131.60 ETE 183.05 ZAC 119.52 ETC 167.41 CLP 179.25

PLANETOCENTRIC CONIC

C3 42.463 VHL 6.516 OLA 26.74 RAL 36.79 RAD 6568.6 VEL 12.800 PTH 2.33 VHP 10.656 DPA 4.63 RAP 25.47 ECC 1.6988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 33 3452.06 -21.58 127.81 280.35 71.21 4 8 5 2852.1 -23.95 119.94
 90.00 0 24 44 3994.87 -6.54 160.49 273.73 62.39 1 31 19 3394.9 -10.18 153.71
 100.00 5 3 52 3086.80 -24.96 102.12 281.53 72.99 5 55 18 2486.8 -27.05 93.94
 100.00 1 14 7 3835.36 -3.42 147.07 272.02 60.29 2 18 2 3235.4 -7.35 140.49
 110.00 7 5 15 2706.95 -31.67 75.36 283.62 76.42 7 50 22 2106.9 -33.22 66.47
 110.00 1 29 13 3787.98 2.49 139.80 268.34 55.90 2 32 20 3188.0 -2.00 133.60

DIFFERENTIAL CORRECTIONS

TDE 2.6408 TRA 4.2060 TC3-2.1588 BAU 1.2255
 RDE .4768 RRA .0128 RC3 .0118 FAU .01039
 FDE .5716 FRA 1.1913 FC3 -.2119 BSP 18178
 BDE 2.6835 BRA 4.2061 BC3 2.1588 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 5518.5 SGR 419.7 SG3 112.8
 RRT .4241 RRF .4037 RTF .9439
 SGB 5534.5 R23 .0016 R13 .9439
 SG1 5521.4 SG2 379.9 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 2634.7 SR 419.3 SS 564.9
 CRT .8855 CRS -.8242 CST -.9927
 LSA 2719.2 MSA 205.6 SSA 13.4
 EL1 2660.9 EL2 192.9 ALF 8.06

LAUNCH DATE DEC 22 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 582.790

RL 147.16 LAL .00 LOL 89.94 VL 25.962 GAL 10.48 AZL 87.14 HCA 299.17 SMA 117.48 ECC .30782 INC 2.8556 V1 30.275
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.332 GAP 17.38 AZP 88.61 TAL 154.27 TAP 93.44 RCA 81.32 APO 153.65 V2 34.974
 RC 204.023 GL 10.61 GP -2.84 ZAL 45.68 ZAP 176.75 ETS 243.23 ZAE 131.59 ETE 183.03 ZAC 121.79 ETC 167.25 CLP 178.42

PLANETOCENTRIC CONIC

C3 47.735 VHL 6.909 OLA 26.52 RAL 39.33 RAD 6568.8 VEL 13.004 PTH 2.37 VHP 11.105 DPA 5.60 RAP 27.64 ECC 1.7856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 7 3463.40 -21.33 128.55 285.03 70.92 4 23 50 2863.4 -23.74 120.70
 90.00 0 29 29 4042.35 -5.03 163.17 277.79 62.10 1 36 51 3442.3 -8.73 156.44
 100.00 5 17 48 3103.34 -24.62 103.23 286.21 72.49 6 9 31 2503.3 -26.78 95.10
 100.00 1 20 28 3877.64 -1.99 149.39 276.11 60.17 2 25 6 3277.6 -5.95 142.84
 110.00 7 17 44 2728.08 -31.32 76.91 288.38 75.56 8 3 12 2128.1 -32.99 68.08
 110.00 1 37 2 3825.67 3.93 141.78 272.43 56.02 2 40 48 3225.7 -5.56 135.57

DIFFERENTIAL CORRECTIONS

TDE 2.6772 TRA 4.6608 TC3-1.8819 BAU 1.2010
 RDE .4991 RRA .0331 RC3 .0068 FAU .00916
 FDE .5641 FRA 1.2335 FC3 -.1662 BSP 18116
 BDE 2.7233 BRA 4.6609 BC3 1.8819 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 5509.2 SGR 415.1 SG3 110.0
 RRT .4490 RRF .4296 RTF .9486
 SGB 5524.8 R23 .0019 R13 .9486
 SG1 5512.4 SG2 370.7 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 2571.9 SR 414.0 SS 559.7
 CRT .8742 CRS -.8149 CST -.9936
 LSA 2656.2 MSA 209.9 SSA 12.8
 EL1 2597.4 EL2 199.0 ALF 8.06

LAUNCH DATE DEC 22 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 587.500

RL 147.16 LAL .00 LOL 89.94 VL 25.923 GAL 11.60 AZL 87.20 HCA 302.37 SMA 117.27 ECC .32060 INC 2.7955 V1 30.275
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.316 GAP 18.20 AZP 88.50 TAL 152.75 TAP 95.12 RCA 79.67 APO 154.87 V2 34.987
 RC 205.757 GL 9.71 GP -2.80 ZAL 43.60 ZAP 176.29 ETS 231.38 ZAE 131.56 ETE 183.01 ZAC 124.04 ETC 167.04 CLP 177.57

PLANETOCENTRIC CONIC

C3 53.962 VHL 7.346 OLA 26.26 RAL 41.71 RAD 6569.0 VEL 13.241 PTH 2.42 VHP 11.600 DPA 6.55 RAP 29.79 ECC 1.8881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 45 3473.33 -21.11 129.19 289.64 70.67 4 39 39 2873.3 -23.55 121.37
 90.00 0 32 51 4093.45 -3.40 166.03 281.71 61.87 1 41 4 3493.4 -7.13 159.35
 100.00 5 31 45 3118.73 -24.30 104.27 290.81 72.04 6 23 43 2518.7 -26.53 96.18
 100.00 1 25 33 3923.27 -.45 151.90 280.08 60.11 2 30 56 3323.3 -4.42 145.36
 110.00 7 30 1 2748.68 -30.97 78.41 293.05 74.74 8 15 50 2148.7 -32.75 69.64
 110.00 1 43 46 3866.09 5.46 143.90 276.41 56.20 2 48 12 3266.1 .99 137.67

DIFFERENTIAL CORRECTIONS

TDE 2.7097 TRA 5.1428 TC3-1.6252 BAU 1.1725
 RDE .5212 RRA .0554 RC3 .0031 FAU .00801
 FDE .5567 FRA 1.3187 FC3 -.1284 BSP 18160
 BDE 2.7594 BRA 5.1431 BC3 1.6252 FSP -364

MID-COURSE EXECUTION ACCURACY

SGT 5493.3 SGR 409.4 SG3 107.2
 RRT .4730 RRF .4545 RTF .9534
 SGB 5508.5 R23 .0018 R13 .9534
 SG1 5496.7 SG2 360.4 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 2504.5 SR 406.7 SS 555.3
 CRT .8623 CRS -.8053 CST -.9944
 LSA 2588.6 MSA 213.2 SSA 12.1
 EL1 2529.1 EL2 203.9 ALF 8.02

LAUNCH DATE DEC 22 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 591.585

RL 147.16 LAL .00 LOL 89.94 VL 25.884 GAL 12.82 AZL 87.27 HCA 305.56 SMA 117.06 ECC .33483 INC 2.7308 V1 30.275
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.301 GAP 19.10 AZP 88.41 TAL 151.30 TAP 96.87 RCA 77.87 APO 156.26 V2 35.000
 RC 207.465 GL 8.83 GP -2.76 ZAL 41.65 ZAP 175.69 ETS 222.18 ZAE 131.49 ETE 182.99 ZAC 126.26 ETC 166.79 CLP 176.68

PLANETOCENTRIC CONIC

C3 61.347 VHL 7.832 OLA 25.97 RAL 43.93 RAD 6569.1 VEL 13.517 PTH 2.47 VHP 12.150 DPA 7.47 RAP 31.92 ECC 2.0096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 13 3482.42 -20.90 129.78 294.14 70.45 4 55 16 2882.4 -23.38 121.98
 90.00 0 35 5 4147.19 -1.67 169.04 285.50 61.73 1 44 12 3547.2 -5.43 162.38
 100.00 5 45 31 3133.28 -23.99 105.24 295.29 71.61 6 37 45 2533.3 -26.28 97.18
 100.00 1 29 28 3971.57 1.19 154.55 283.91 60.13 2 35 39 3371.6 -2.79 148.03
 110.00 7 42 1 2768.80 -30.60 79.86 297.59 73.95 8 28 10 2168.8 -32.49 71.15
 110.00 1 49 28 3908.81 7.07 146.16 280.27 56.47 2 54 37 3308.8 2.62 139.90

DIFFERENTIAL CORRECTIONS

TDE 2.7459 TRA 5.6616 TC3-1.3847 BAU 1.1356
 RDE .5432 RRA .0799 RC3 .0006 FAU .00682
 FDE .5515 FRA 1.3897 FC3 -.0962 BSP 18171
 BDE 2.7991 BRA 5.6622 BC3 1.3847 FSP -355

MID-COURSE EXECUTION ACCURACY

SGT 5473.6 SGR 402.7 SG3 104.5
 RRT .4971 RRF .4796 RTF .9582
 SGB 5488.4 R23 .0016 R13 .9582
 SG1 5477.3 SG2 349.2 THA 2.10

ORBIT DETERMINATION ACCURACY

ST 2439.0 SR 397.9 SS 553.3
 CRT .8503 CRS -.7960 CST -.9952
 LSA 2523.3 MSA 215.3 SSA 11.5
 EL1 2462.6 EL2 207.4 ALF 7.95

LAUNCH DATE DEC 22 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 595.591

RL 147.16 LAL .00 LOL 89.94 VL 25.846 GAL 14.16 AZL 87.34 MCA 308.77 SMA 116.86 ECC .35075 INC 2.6608 V1 30.275
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.287 GAP 20.11 AZP 88.33 TAL 149.94 TAP 98.71 RCA 75.87 APO 157.85 V2 35.014
 RC 209.146 GL 7.98 GP -2.72 ZAL 39.86 ZAP 174.96 ETS 215.17 ZAE 131.38 ETE 182.97 ZAC 128.43 ETC 166.49 CLP 175.76

PLANETOCENTRIC CONIC

C3 70.148 VHL 8.375 CLA 25.63 RAL 45.98 RAD 6569.4 VEL 13.838 PTH 2.53 VMP 12.763 DPA 8.36 RAP 34.04 ECC 2.1545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 20 3491.04 -20.70 130.33 298.52 70.24 5 10 31 2891.0 -23.21 122.56
 90.00 0 36 20 4202.80 .13 172.14 289.15 61.68 1 46 22 3602.8 -3.66 165.50
 100.00 5 59 0 3147.14 -23.69 106.16 299.65 71.22 6 51 27 2547.1 -26.04 98.14
 100.00 1 32 20 4021.94 2.90 157.31 287.61 60.24 2 39 22 3421.9 -1.09 150.79
 110.00 7 53 39 2788.45 -30.22 81.26 301.99 73.20 8 40 7 2188.4 -32.22 72.62
 110.00 1 54 11 3953.39 8.74 148.53 284.02 56.82 3 0 5 3353.4 4.32 142.24

DIFFERENTIAL CORRECTIONS

TDE 2.7863 TRA 6.2217 TC3 -1.1616 BAU 1.0894
 RDE .5652 RRA .1067 RC3 -.0007 FAU .00560
 FDE .5483 FRA 1.4673 FC3 -.0691 BSP 18174
 BDE 2.8430 BRA 6.2226 BC3 1.1616 FSP -347

MID-COURSE EXECUTION ACCURACY

SGT 5450.2 SGR 395.0 SG3 102.0
 RRT .5209 RRF .5046 RTF .9630
 SGB 5464.5 R23 .0012 R13 .9630
 SG1 5454.1 SG2 336.9 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 2375.3 SR 387.4 SS 553.8
 CRT .8383 CRS -.7870 CST -.9959
 LSA 2460.1 MSA 216.1 SSA 10.9
 EL1 2397.6 EL2 209.3 ALF 7.84

LAUNCH DATE DEC 22 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 599.253

RL 147.16 LAL .00 LOL 89.94 VL 25.810 GAL 15.62 AZL 87.42 MCA 311.97 SMA 116.67 ECC .36861 INC 2.5841 V1 30.275
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.274 GAP 21.24 AZP 88.27 TAL 148.69 TAP 100.66 RCA 73.66 APO 159.67 V2 35.027
 RC 210.800 GL 7.17 GP -2.69 ZAL 38.22 ZAP 174.13 ETS 209.80 ZAE 131.21 ETE 182.95 ZAC 130.56 ETC 166.14 CLP 174.78

PLANETOCENTRIC CONIC

C3 80.698 VHL 8.983 CLA 25.26 RAL 47.86 RAD 6569.6 VEL 14.214 PTH 2.59 VMP 13.451 DPA 9.21 RAP 36.11 ECC 2.3281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 56 3499.32 -20.51 130.86 302.75 70.04 5 25 16 2899.3 -23.05 123.11
 90.00 0 36 42 4259.66 1.96 175.31 292.65 61.75 1 47 41 3659.7 -1.83 168.68
 100.00 6 12 4 3160.39 -23.40 107.03 303.85 70.85 7 4 45 2560.4 -25.80 99.05
 100.00 1 34 15 4073.83 4.65 160.17 291.16 60.44 2 42 9 3473.8 .68 153.64
 110.00 8 4 51 2807.54 -29.83 82.62 306.24 72.48 8 51 38 2207.5 -31.94 74.04
 110.00 1 57 58 3999.44 10.45 151.00 287.63 57.27 3 4 37 3399.4 6.06 144.66

DIFFERENTIAL CORRECTIONS

TDE 2.8374 TRA 6.8321 TC3 -.9539 BAU 1.0291
 RDE .5871 RRA .1359 RC3 -.0011 FAU .00425
 FDE .5486 FRA 1.5535 FC3 -.0456 BSP 18060
 BDE 2.8975 BRA 6.8335 BC3 .9539 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT .5424.9 SGR 386.6 SG3 99.6
 RRT .5451 RRF .5300 RTF .9677
 SGB 5438.6 R23 .0008 R13 .9677
 SG1 5429.0 SG2 323.8 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 2316.7 SR 375.6 SS 557.9
 CRT .8266 CRS -.7791 CST -.9966
 LSA 2402.7 MSA 215.3 SSA 10.3
 EL1 2337.6 EL2 209.5 ALF 7.69

LAUNCH DATE DEC 22 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 602.483

RL 147.16 LAL .00 LOL 89.94 VL 25.775 GAL 17.24 AZL 87.50 MCA 315.18 SMA 116.49 ECC .38871 INC 2.4992 V1 30.275
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.262 GAP 22.52 AZP 88.23 TAL 147.56 TAP 102.73 RCA 71.21 APO 161.76 V2 35.040
 RC 212.427 GL 6.38 GP -2.66 ZAL 36.73 ZAP 173.20 ETS 205.61 ZAE 130.99 ETE 182.92 ZAC 132.62 ETC 165.74 CLP 173.74

PLANETOCENTRIC CONIC

C3 93.432 VHL 9.666 CLA 24.86 RAL 49.56 RAD 6569.8 VEL 14.655 PTH 2.65 VMP 14.227 DPA 10.02 RAP 38.15 ECC 2.5377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 57 3507.25 -20.33 131.37 306.80 69.85 5 39 24 2907.3 -22.89 123.64
 90.00 0 36 13 4317.27 3.82 178.53 295.99 61.92 1 48 11 3717.3 .03 171.89
 100.00 6 24 38 3172.96 -23.12 107.86 307.88 70.50 7 17 31 2573.0 -25.56 99.91
 100.00 1 35 13 4126.79 6.42 163.11 294.56 60.74 2 44 0 3526.8 2.47 156.54
 110.00 8 15 33 2825.95 -29.45 83.91 310.29 71.81 9 2 39 2225.9 -31.65 75.40
 110.00 2 0 48 4046.57 12.17 153.57 291.10 57.81 3 8 14 3466.6 7.83 147.16

DIFFERENTIAL CORRECTIONS

TDE 2.8923 TRA 7.4909 TC3 -.7662 BAU .9571
 RDE .6087 RRA .1672 RC3 -.0008 FAU .00287
 FDE .5503 FRA 1.6476 FC3 -.0266 BSP 18059
 BDE 2.9556 BRA 7.4927 BC3 .7662 FSP -329

MID-COURSE EXECUTION ACCURACY

SGT 5392.9 SGR 377.0 SG3 97.3
 RRT .5684 RRF .5545 RTF .9722
 SGB 5406.1 R23 .0001 R13 .9722
 SG1 5397.2 SG2 309.9 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 2257.6 SR 362.3 SS 564.2
 CRT .8151 CRS -.7714 CST -.9973
 LSA 2345.4 MSA 213.1 SSA 9.8
 EL1 2277.0 EL2 208.1 ALF 7.52

LAUNCH DATE DEC 22 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 605.169

RL 147.16 LAL .00 LOL 89.94 VL 25.742 GAL 19.04 AZL 87.60 MCA 318.38 SMA 116.31 ECC .41144 INC 2.4040 V1 30.275
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.252 GAP 23.98 AZP 88.20 TAL 146.58 TAP 104.97 RCA 68.46 APO 164.17 V2 35.053
 RC 214.027 GL 5.61 GP -2.63 ZAL 35.42 ZAP 172.18 ETS 202.28 ZAE 130.69 ETE 182.89 ZAC 134.62 ETC 165.30 CLP 172.63

PLANETOCENTRIC CONIC

C3 108.921 VHL 10.437 CLA 24.44 RAL 51.06 RAD 6570.1 VEL 15.174 PTH 2.72 VMP 15.108 DPA 10.80 RAP 40.13 ECC 2.7926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 17 3514.66 -20.15 131.85 310.65 69.68 5 52 51 2914.7 -22.74 124.13
 90.00 0 34 56 4375.20 5.66 181.78 299.16 62.21 1 47 51 3775.2 1.90 175.13
 100.00 6 36 37 3184.72 -22.85 108.63 311.70 70.18 7 29 41 2584.7 -25.34 100.72
 100.00 1 35 17 4180.38 8.19 166.10 297.79 61.15 2 44 57 3580.4 4.28 159.49
 110.00 8 25 41 2843.47 -29.07 85.14 314.13 71.17 9 13 5 2243.5 -31.36 76.68
 110.00 2 2 42 4094.40 13.89 156.21 294.41 58.45 3 10 56 3494.4 9.62 149.72

DIFFERENTIAL CORRECTIONS

TDE 2.9599 TRA 8.2115 TC3 -.5949 BAU .8663
 RDE .6301 RRA .2008 RC3 -.0001 FAU .00130
 FDE .5555 FRA 1.7528 FC3 -.0104 BSP 18021
 BDE 3.0263 BRA 8.2140 BC3 .5949 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5357.4 SGR 366.5 SG3 95.1
 RRT .5915 RRF .5789 RTF .9765
 SGB 5369.9 R23 -.0005 R13 .9765
 SG1 5361.8 SG2 295.3 THA 2.32

ORBIT DETERMINATION ACCURACY

ST 2202.0 SR 347.8 SS 574.3
 CRT .8044 CRS -.7647 CST -.9978
 LSA 2292.5 MSA 209.3 SSA 9.2
 EL1 2219.8 EL2 205.0 ALF 7.30

LAUNCH DATE DEC 22 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 607.161

RL 147.16 LAL .00 LOL 89.94 VL 25.711 GAL 21.06 AZL 87.70 MCA 321.59 SMA 116.15 ECC .43723 INC 2.2960 V1 30.275
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.242 GAP 25.64 A7P 88.20 TAL 145.80 TAP 107.39 RCA 65.37 APO 166.93 V2 35.067
 RC 215.599 GL 4.88 GP -2.60 ZAL 34.29 ZAP 171.04 ETS 199.57 ZAE 130.29 ETE 182.85 ZAC 136.52 ETC 164.80 CLP 171.42

PLANETOCENTRIC CONIC

C3 127.926 VHL 11.310 OLA 23.98 RAL 52.37 RAD 6570.4 VEL 15.788 PTH 2.80 VHP 16.112 CPA 11.52 RAP 42.04 ECC 3.1053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 52 3521.29 -19.99 132.27 314.25 69.52 6 5 33 2921.3 -22.60 124.57
 90.00 0 32 46 4433.14 7.49 185.06 302.14 62.61 1 46 39 3833.1 3.76 178.36
 100.00 6 47 56 3195.41 -22.60 109.33 315.28 69.89 7 41 12 2595.4 -25.13 101.44
 100.00 1 34 23 4234.25 9.95 169.13 300.83 61.67 2 44 57 3634.3 6.08 162.48
 110.00 8 35 12 2859.83 -28.71 86.27 317.72 70.59 9 22 52 2259.8 -31.08 77.87
 110.00 2 3 36 4142.60 15.59 158.91 297.55 59.19 3 12 39 3542.6 11.39 152.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.0425 TRA 9.0014 TC3 -.4403 BAU .7530 SGT 5317.3 SGR 355.1 SG3 93.0 ST 2149.0 SR 332.3 SS 588.3
 RDE .6513 RRA .2364 RC3 .0014 FAU-.00050 RRT .6141 RRF .6028 RTF .9805 CRT .7946 CRS -.7590 CST -.9983
 FDE .5645 FRA 1.8708 FC3 .0034 BSP 17978 SGB 5329.2 R23 -.0012 R13 .9805 LSA 2243.4 MSA 203.9 SSA 8.6
 BOE 3.1115 BRA 9.0045 BC3 .4403 FSP -315 SG1 5321.8 SG2 280.0 THA 2.35 EL1 2165.3 EL2 200.3 ALF 7.07

LAUNCH DATE DEC 22 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 608.258

RL 147.16 LAL .00 LOL 89.94 VL 25.682 GAL 23.33 AZL 87.83 MCA 324.81 SMA 116.00 ECC .46660 INC 2.1714 V1 30.275
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.234 GAP 27.56 A7P 88.23 TAL 145.25 TAP 110.05 RCA 61.87 APO 170.12 V2 35.080
 RC 217.144 GL 4.16 GP -2.57 ZAL 33.36 ZAP 169.78 ETS 197.31 ZAE 129.78 ETE 182.81 ZAC 138.30 ETC 164.27 CLP 170.11

PLANETOCENTRIC CONIC

C3 151.471 VHL 12.307 OLA 23.49 RAL 53.46 RAD 6570.6 VEL 16.517 PTH 2.88 VHP 17.267 CPA 12.19 RAP 43.85 ECC 3.4928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 39 3526.76 -19.86 132.62 317.58 69.39 6 17 25 2926.8 -22.49 124.93
 90.00 0 29 40 4490.80 9.28 188.35 304.89 63.13 1 44 30 3890.8 5.60 181.60
 100.00 6 58 32 3204.69 -22.38 109.93 318.58 69.65 7 51 57 2604.7 -24.95 102.07
 100.00 1 32 27 4288.10 11.67 172.20 303.64 62.28 2 43 55 3688.1 7.87 165.48
 110.00 8 44 1 2874.69 -28.37 87.29 321.01 70.07 9 31 56 2274.7 -30.81 78.95
 110.00 2 3 28 4190.87 17.25 161.66 300.47 60.02 3 13 19 3590.9 13.14 154.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.1495 TRA 9.8758 TC3 -.3003 BAU .6081 SGT 5275.2 SGR 342.9 SG3 91.0 ST 2100.5 SR 316.1 SS 607.7
 RDE .6730 RRA .2740 RC3 .0030 FAU-.00267 RRT .6364 RRF .6265 RTF .9842 CRT .7864 CRS -.7550 CST -.9987
 FDE .5791 FRA 2.0052 FC3 .0153 BSP 17808 SGB 5286.4 R23 -.0019 R13 .9842 LSA 2200.6 MSA 197.0 SSA 8.1
 BOE 3.2206 BRA 9.8796 BC3 .3003 FSP -306 SG1 5279.8 SG2 264.2 THA 2.37 EL1 2115.3 EL2 193.9 ALF 6.81

LAUNCH DATE DEC 22 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 608.190

RL 147.16 LAL .00 LOL 89.94 VL 25.657 GAL 25.93 AZL 87.97 MCA 328.02 SMA 115.86 ECC .50016 INC 2.0252 V1 30.275
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.229 GAP 29.78 A7P 88.28 TAL 144.98 TAP 113.01 RCA 57.91 APO 173.81 V2 35.092
 RC 218.662 GL 3.48 GP -2.54 ZAL 32.67 ZAP 168.37 ETS 195.40 ZAE 129.13 ETE 182.76 ZAC 139.96 ETC 163.71 CLP 168.65

PLANETOCENTRIC CONIC

C3 180.948 VHL 13.452 OLA 22.97 RAL 54.30 RAD 6570.9 VEL 17.386 PTH 2.96 VHP 18.603 CPA 12.80 RAP 45.53 ECC 3.9780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 34 3530.61 -19.77 132.86 320.57 69.31 6 28 24 2930.6 -22.41 125.18
 90.00 0 25 29 4547.97 11.02 191.65 307.38 63.75 1 41 17 3948.0 7.41 184.84
 100.00 7 8 20 3212.14 -22.20 110.41 321.55 69.45 8 1 52 2612.1 -24.80 102.57
 100.00 1 29 24 4341.67 13.34 175.30 306.19 63.00 2 41 45 3741.7 9.62 168.49
 110.00 8 52 3 2887.65 -28.06 88.18 323.97 69.63 9 40 11 2287.6 -30.57 79.88
 110.00 2 2 10 4258.93 18.87 164.46 303.13 60.95 3 12 49 3638.9 14.85 157.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.2761 TRA10.8356 TC3 -.1770 BAU .4283 SGT 5225.2 SGR 329.5 SG3 89.2 ST 2051.6 SR 298.9 SS 631.8
 RDE .6944 RRA .3128 RC3 .0048 FAU-.00527 RRT .6574 RRF .6487 RTF .9875 CRT .7794 CRS -.7518 CST -.9990
 FDE .5981 FRA 2.1567 FC3 .0252 BSP 17750 SGB 5235.6 R23 -.0026 R13 .9875 LSA 2159.1 MSA 188.8 SSA 7.5
 BOE 3.3489 BRA10.8401 BC3 .1771 FSP -300 SG1 5229.7 SG2 248.1 THA 2.38 EL1 2064.9 EL2 186.1 ALF 6.53

LAUNCH DATE DEC 22 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 606.595

RL 147.16 LAL .00 LOL 89.94 VL 25.634 GAL 28.91 AZL 88.15 MCA 331.24 SMA 115.75 ECC .53858 INC 1.8498 V1 30.275
 RP 107.95 LAP -.89 LOP 61.19 VP 36.225 GAP 32.38 A7P 88.38 TAL 145.08 TAP 116.32 RCA 53.41 APO 178.09 V2 35.105
 RC 220.152 GL 2.81 GP -2.51 ZAL 32.23 ZAP 166.78 ETS 193.75 ZAE 128.31 ETE 182.70 ZAC 141.44 ETC 163.14 CLP 167.01

PLANETOCENTRIC CONIC

C3 218.266 VHL 14.774 OLA 22.42 RAL 54.87 RAD 6571.2 VEL 18.428 PTH 3.04 VHP 20.159 CPA 13.34 RAP 47.06 ECC 4.5921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 32 3532.27 -19.73 132.97 323.19 69.27 6 38 25 2932.3 -22.38 125.29
 90.00 0 20 2 4604.53 12.70 194.95 309.56 64.48 1 36 47 4004.5 9.17 188.06
 100.00 7 17 15 3217.24 -22.08 110.74 324.14 69.32 8 10 52 2617.2 -24.69 102.92
 100.00 1 25 1 4394.79 14.96 178.41 308.43 63.82 2 38 16 3794.8 11.32 171.51
 110.00 8 59 13 2898.21 -27.81 88.90 326.52 69.27 9 47 31 2298.2 -30.37 80.64
 110.00 1 59 32 4286.58 20.42 167.28 305.50 61.97 3 10 59 3686.6 16.51 160.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.4353 TRA11.8971 TC3 -.0682 BAU .2000 SGT 5169.7 SGR 315.2 SG3 87.4 ST 2004.2 SR 281.3 SS 662.3
 RDE .7162 RRA .3521 RC3 .0065 FAU-.00855 RRT .6772 RRF .6696 RTF .9903 CRT .7741 CRS -.7502 CST -.9993
 FDE .6243 FRA 2.3300 FC3 .0339 BSP 17658 SGB 5179.3 R23 -.0033 R13 .9903 LSA 2121.9 MSA 179.4 SSA 6.9
 BOE 3.5092 BRA11.9023 BC3 .0685 FSP -295 SG1 5174.1 SG2 231.7 THA 2.37 EL1 2016.1 EL2 177.0 ALF 6.25

LAUNCH DATE DEC 23 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 3, 1966

HELIOCENTRIC CONIC

DISTANCE 202.496

RL 147.15 LAL .00 LOL 90.96 VL 28.940 GAL -12.78 AZL 86.76 MCA 92.86 SMA 137.35 ECC .23197 INC 3.2424 V1 30.276
 RP 107.76 LAP 3.24 LOP 183.82 VP 38.689 GAP -5.06 AZP 90.16 TAL 239.76 TAP 332.62 RCA 105.49 APO 169.21 V2 35.166
 RC 63.151 GL 13.51 GP 6.65 ZAL 157.31 ZAP 43.53 ETS 351.47 ZAE 161.53 ETE 353.28 ZAC 54.77 ETC 165.79 CLP -43.12

PLANETOCENTRIC CONIC

C3 46.713 VHL 6.835 OLA -8.67 RAL 289.03 RAD 6568.7 VEL 12.964 PTH 2.36 VHP 4.963 DPA -11.15 RAP 322.03 ECC 1.7688
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 27 2153.38 -18.04 37.64 162.65 112.20 2 14 20 1553.4 -14.87 30.40
 90.00 11 25 23 5341.52 27.62 243.33 168.80 83.50 12 54 24 4741.5 26.43 234.87
 100.00 2 55 34 1904.55 -19.35 18.77 162.07 113.24 3 27 19 1304.6 -16.04 11.54
 100.00 12 50 56 5065.58 29.04 222.84 168.60 82.56 14 15 22 4465.6 27.70 214.29
 110.00 3 54 13 1720.93 -22.85 3.11 160.34 116.15 4 22 54 1120.9 -19.15 355.93
 110.00 14 8 47 4821.97 32.84 203.66 167.92 79.92 15 29 9 4222.0 31.10 194.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1195 TRA -.4318 TC3 .1703 BAU .1064 SGT 445.3 SGR 396.1 SG3 219.7 ST 148.8 SR 385.5 SS 226.4
 RDE -.4586 RRA .1124 RC3 -.0023 FAU .08798 RRT .0163 RRF -.2524 RTF -.1179 CRT .6164 CRS .7883 CST .0188
 FDE .4671 FRA-1.3675 FC3-1.6306 BSP 624 SGB 596.0 R23 -.2427 R13 -.1330 LSA 436.2 MSA 176.9 SSA 21.5
 BDE .4739 BRA .4462 BC3 .1703 FSP -626 SG1 445.5 SG2 395.9 TMA 3.96 EL1 397.3 EL2 113.7 ALF 75.39

LAUNCH DATE DEC 23 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 209.176

RL 147.15 LAL .00 LOL 90.96 VL 28.981 GAL -12.66 AZL 86.81 MCA 96.09 SMA 137.68 ECC .22927 INC 3.1940 V1 30.276
 RP 107.80 LAP 3.18 LOP 187.06 VP 38.709 GAP -4.34 AZP 90.34 TAL 240.32 TAP 336.41 RCA 106.12 APO 169.25 V2 35.155
 RC 65.219 GL 13.46 GP 7.09 ZAL 157.58 ZAP 48.15 ETS 352.05 ZAE 164.04 ETE 355.12 ZAC 53.31 ETC 165.97 CLP -47.76

PLANETOCENTRIC CONIC

C3 45.786 VHL 6.767 OLA -8.75 RAL 288.74 RAD 6568.7 VEL 12.929 PTH 2.36 VHP 4.682 DPA -11.13 RAP 320.54 ECC 1.7535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 56 2145.69 -17.84 37.17 162.01 112.36 2 13 41 1545.7 -14.65 29.94
 90.00 11 23 34 5339.15 27.60 243.16 168.16 83.42 12 52 33 4739.2 26.40 234.70
 100.00 2 55 1 1897.01 -19.15 18.30 161.43 113.40 3 26 38 1297.0 -15.82 11.09
 100.00 12 49 10 5063.07 29.01 222.66 167.96 82.47 14 13 33 4463.1 27.67 214.12
 110.00 3 53 34 1713.69 -22.63 2.66 159.70 116.33 4 22 7 1113.7 -18.91 355.50
 110.00 14 7 7 4819.15 32.80 203.45 167.27 79.80 15 27 26 4219.2 31.05 194.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1080 TRA -.4603 TC3 .1420 BAU .0871 SGT 448.1 SGR 398.7 SG3 245.8 ST 149.6 SR 386.3 SS 239.2
 RDE -.4547 RRA .1203 RC3 .0086 FAU .09724 RRT -.0179 RRF -.2922 RTF -.0016 CRT .5458 CRS .7880 CST -.0697
 FDE .5146 FRA-1.5270 FC3-1.8386 BSP 518 SGB 599.8 R23 .2917 R13 -.0182 LSA 439.8 MSA 186.8 SSA 21.5
 BDE .4673 BRA .4758 BC3 .1422 FSP -710 SG1 448.4 SG2 398.4 TMA 175.64 EL1 395.7 EL2 122.4 ALF 76.77

LAUNCH DATE DEC 23 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 215.814

RL 147.15 LAL .00 LOL 90.96 VL 29.009 GAL -12.55 AZL 86.85 MCA 99.32 SMA 137.92 ECC .22685 INC 3.1450 V1 30.276
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.720 GAP -3.65 AZP 90.51 TAL 240.72 TAP 340.03 RCA 106.63 APO 169.21 V2 35.143
 RC 67.327 GL 13.40 GP 7.56 ZAL 157.78 ZAP 52.98 ETS 352.62 ZAE 166.81 ETE 357.72 ZAC 51.64 ETC 166.17 CLP -52.60

PLANETOCENTRIC CONIC

C3 44.908 VHL 6.701 OLA -8.83 RAL 288.54 RAD 6568.7 VEL 12.895 PTH 2.35 VHP 4.437 DPA -11.13 RAP 318.84 ECC 1.7391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 49 2138.06 -17.64 36.69 161.48 112.52 2 13 27 1538.1 -14.44 29.48
 90.00 11 22 6 5337.05 27.59 243.01 167.63 83.34 12 51 3 4737.0 26.38 234.55
 100.00 2 54 51 1889.52 -18.95 17.84 160.89 113.56 3 26 21 1289.5 -15.60 10.64
 100.00 12 47 44 5060.82 28.99 222.50 167.43 82.38 14 12 5 4460.8 27.64 213.96
 110.00 3 53 18 1706.53 -22.41 2.22 159.16 116.51 4 21 44 1106.5 -18.67 355.08
 110.00 14 5 47 4816.58 32.77 203.26 166.74 79.69 15 26 4 4216.6 31.00 194.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0937 TRA -.4954 TC3 .1064 BAU .0651 SGT 458.8 SGR 401.5 SG3 273.1 ST 151.6 SR 386.1 SS 250.7
 RDE -.4499 RRA .1291 RC3 .0210 FAU .10688 RRT -.0708 RRF -.3346 RTF .1342 CRT .4531 CRS .7865 CST -.1791
 FDE .5588 FRA-1.6895 FC3-2.0604 BSP 461 SGB 609.7 R23 .2907 R13 -.1994 LSA 442.4 MSA 196.9 SSA 21.5
 BDE .4596 BRA .5120 BC3 .1084 FSP -804 SG1 462.3 SG2 397.5 TMA 166.05 EL1 393.0 EL2 132.8 ALF 78.59

LAUNCH DATE DEC 23 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 222.411

RL 147.15 LAL .00 LOL 90.96 VL 29.028 GAL -12.43 AZL 86.90 MCA 102.54 SMA 138.07 ECC .22466 INC 3.0951 V1 30.276
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.724 GAP -3.00 AZP 90.67 TAL 240.96 TAP 343.50 RCA 107.05 APO 169.09 V2 35.132
 RC 69.470 GL 13.33 GP 8.03 ZAL 157.92 ZAP 57.99 ETS 353.21 ZAE 169.82 ETE 1.85 ZAC 49.80 ETC 166.40 CLP -57.63

PLANETOCENTRIC CONIC

C3 44.061 VHL 6.638 OLA -8.92 RAL 288.43 RAD 6568.7 VEL 12.862 PTH 2.34 VHP 4.226 DPA -11.16 RAP 316.95 ECC 1.7251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 4 2130.42 -17.44 36.22 161.04 112.67 2 13 34 1530.4 -14.22 29.03
 90.00 11 20 57 5335.12 27.57 242.87 167.20 83.27 12 49 52 4735.1 26.35 234.42
 100.00 2 55 3 1882.03 -18.74 17.37 160.45 113.72 3 26 26 1282.0 -15.38 10.20
 100.00 12 46 39 5058.73 28.97 222.34 166.99 82.30 14 10 57 4458.7 27.61 213.81
 110.00 3 53 24 1699.37 -22.19 1.78 158.72 116.69 4 21 43 1099.4 -18.43 354.66
 110.00 14 4 48 4814.16 32.74 203.07 166.30 79.58 15 25 2 4214.2 30.96 194.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0786 TRA -.5390 TC3 .0815 BAU .0416 SGT 482.7 SGR 404.8 SG3 300.2 ST 156.7 SR 385.3 SS 261.7
 RDE -.4444 RRA .1385 RC3 .0347 FAU .11633 RRT -.1392 RRF -.3802 RTF .2835 CRT .3461 CRS .7882 CST -.2908
 FDE .6039 FRA-1.8434 FC3-2.2858 BSP 491 SGB 630.0 R23 .2561 R13 -.3649 LSA 445.2 MSA 206.9 SSA 21.5
 BDE .4513 BRA .5565 BC3 .0706 FSP -894 SG1 492.4 SG2 393.0 TMA 160.90 EL1 389.7 EL2 145.4 ALF 80.68

LAUNCH DATE DEC 23 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 228.967

RL 147.15 LAL .00 LOL 90.96 VL 29.036 GAL -12.32 AZL 86.96 MCA 105.76 SMA 138.15 ECC .22265 INC 3.0440 V1 30.276
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.719 GAP -2.39 A7P 90.83 TAL 241.06 TAP 346.83 RCA 107.39 APO 168.90 V2 35.120
 RC 71.643 GL 13.24 GP 8.51 ZAL 158.00 ZAP 63.13 ETS 353.82 ZAE 172.96 ETE 9.70 ZAC 47.80 ETC 166.64 CLP -62.81

PLANETOCENTRIC CONIC

C3 43.233 VHL 6.575 OLA -9.01 RAL 288.40 RAD 6568.6 VEL 12.830 PTH 2.34 VHP 4.049 DPA -11.19 RAP 314.92 ECC 1.7115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 41 2122.69 -17.24 35.75 160.68 112.82 2 14 3 1522.7 -14.00 28.57
 90.00 11 20 7 5333.30 27.56 242.74 166.85 83.21 12 49 0 4733.3 26.33 234.29
 100.00 2 55 37 1874.46 -18.53 16.91 160.09 113.88 3 26 52 1274.5 -15.15 9.75
 100.00 12 45 51 5056.76 28.96 222.20 166.64 82.23 14 10 8 4456.8 27.58 213.67
 110.00 3 53 51 1692.14 -21.97 1.33 158.35 116.87 4 22 3 1092.1 -18.19 354.24
 110.00 14 4 7 4811.84 32.71 202.90 165.94 79.48 15 24 19 4211.8 30.92 194.14

DIFFERENTIAL CORRECTIONS

TOE -.0612 TRA -.5892 TC3 .0086 BAU .0293
 ROE -.4377 RRA .1485 RC3 .0499 FAU .12555
 FDE .6410 FRA -1.9882 FC3 -2.5142 BSP 656
 BOE .4419 BRA .6076 BC3 .0506 FSP -989

MID-COURSE EXECUTION ACCURACY

SGT 522.7 SGR 408.6 SG3 327.0
 RRT -.2203 RRF -.4267 RTF .4272
 SGB 663.4 R23 .2172 R13 -.5016
 SG1 539.4 SG2 386.1 THA 159.24

ORBIT DETERMINATION ACCURACY

ST 164.8 SR .383.4 SS 270.7
 CRT .2247 CRS .7884 CST -.4098
 LSA 447.1 MSA 217.0 SSA 21.4
 EL1 385.6 EL2 159.7 ALF 83.34

LAUNCH DATE DEC 23 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 235.482

RL 147.15 LAL .00 LOL 90.96 VL 29.036 GAL -12.20 AZL 87.01 MCA 108.98 SMA 138.15 ECC .22078 INC 2.9912 V1 30.276
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.708 GAP -1.80 A7P 90.97 TAL 241.03 TAP 350.01 RCA 107.65 APO 168.65 V2 35.108
 RC 73.845 GL 13.14 GP 8.98 ZAL 158.03 ZAP 68.38 ETS 354.47 ZAE 175.93 ETE 30.04 ZAC 45.71 ETC 166.92 CLP -68.09

PLANETOCENTRIC CONIC

C3 42.414 VHL 6.513 OLA -9.11 RAL 288.45 RAD 6568.6 VEL 12.798 PTH 2.33 VHP 3.904 DPA -11.23 RAP 312.79 ECC 1.6980
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 37 2114.80 -17.03 35.26 160.40 112.97 2 14 52 1514.8 -13.77 28.10
 90.00 11 19 33 5331.55 27.54 242.62 166.57 83.15 12 48 25 4731.5 26.31 234.17
 100.00 2 56 31 1866.73 -18.32 16.43 159.81 114.04 3 27 38 1266.7 -14.92 9.29
 100.00 12 45 21 5054.84 28.94 222.06 166.37 82.16 14 9 36 4454.8 27.55 213.53
 110.00 3 54 38 1684.77 -21.75 .88 158.07 117.05 4 22 42 1084.8 -17.94 353.81
 110.00 14 3 44 4809.57 32.69 202.73 165.66 79.39 15 23 53 4209.6 30.88 193.97

DIFFERENTIAL CORRECTIONS

TOE -.0433 TRA -.6470 TC3 -.0536 BAU .0482
 ROE -.4300 RRA .1585 RC3 .0660 FAU .13382
 FDE .6754 FRA -2.1102 FC3 -2.7315 BSP 926
 BOE .4322 BRA .6661 BC3 .0850 FSP -1071

MID-COURSE EXECUTION ACCURACY

SGT 581.9 SGR 412.8 SG3 351.5
 RRT -.3038 RRF -.4740 RTF .5533
 SGB 713.5 R23 .1868 R13 -.6118
 SG1 604.9 SG2 378.4 THA 159.53

ORBIT DETERMINATION ACCURACY

ST 177.1 SR 380.7 SS 278.7
 CRT .1049 CRS .7915 CST -.5136
 LSA 449.6 MSA 226.5 SSA 21.3
 EL1 381.2 EL2 175.9 ALF 86.45

LAUNCH DATE DEC 23 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 241.956

RL 147.15 LAL .00 LOL 90.96 VL 29.029 GAL -12.09 AZL 87.06 MCA 112.20 SMA 138.08 ECC .21903 INC 2.9365 V1 30.276
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.691 GAP -1.24 A7P 91.11 TAL 240.86 TAP 353.07 RCA 107.84 APO 168.33 V2 35.095
 RC 76.070 GL 13.03 GP 9.46 ZAL 158.01 ZAP 73.66 ETS 355.16 ZAE 177.13 ETE 90.33 ZAC 43.57 ETC 167.22 CLP -73.43

PLANETOCENTRIC CONIC

C3 41.597 VHL 6.450 OLA -9.21 RAL 288.57 RAD 6568.6 VEL 12.766 PTH 2.32 VHP 3.789 DPA -11.26 RAP 310.60 ECC 1.6846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 54 2106.67 -16.81 34.76 160.19 113.13 2 16 1 1506.7 -13.54 27.62
 90.00 11 19 15 5329.86 27.53 242.49 166.37 83.09 12 48 5 4729.9 26.29 234.05
 100.00 2 57 44 1858.78 -18.10 15.95 159.60 114.20 3 28 43 1258.8 -14.68 8.82
 100.00 12 45 6 5052.98 28.92 221.92 166.17 82.09 14 9 19 4453.0 27.52 213.40
 110.00 3 55 44 1677.20 -21.51 .42 157.85 117.23 4 23 41 1077.2 -17.69 353.38
 110.00 14 3 36 4807.33 32.66 202.56 165.45 79.29 15 23 43 4207.3 30.84 193.81

DIFFERENTIAL CORRECTIONS

TOE -.0241 TRA -.7102 TC3 -.1234 BAU .0827
 ROE -.4209 RRA .1683 RC3 .0831 FAU .14114
 FDE .6967 FRA -2.2110 FC3 -2.9376 BSP 1256
 BOE .4216 BRA .7299 BC3 .1488 FSP -1153

MID-COURSE EXECUTION ACCURACY

SGT 659.1 SGR 417.4 SG3 373.6
 RRT -.3848 RRF -.5201 RTF .6533
 SGB 780.1 R23 .1632 R13 -.6963
 SG1 687.0 SG2 369.6 THA 160.43

ORBIT DETERMINATION ACCURACY

ST 193.0 SR 376.7 SS 284.0
 CRT .0098 CRS .7925 CST -.6077
 LSA 451.4 MSA 235.7 SSA 21.3
 EL1 376.7 EL2 193.0 ALF 90.39

LAUNCH DATE DEC 23 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 248.391

RL 147.15 LAL .00 LOL 90.96 VL 29.014 GAL -11.97 AZL 87.12 MCA 115.42 SMA 137.96 ECC .21736 INC 2.8792 V1 30.276
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.668 GAP -.71 A7P 91.24 TAL 240.59 TAP 356.01 RCA 107.97 APO 167.95 V2 35.082
 RC 78.316 GL 12.90 GP 9.92 ZAL 157.94 ZAP 78.93 ETS 355.90 ZAE 174.84 ETE 134.68 ZAC 41.43 ETC 167.55 CLP -78.76

PLANETOCENTRIC CONIC

C3 40.774 VHL 6.385 OLA -9.31 RAL 288.77 RAD 6568.6 VEL 12.733 PTH 2.31 VHP 3.704 DPA -11.26 RAP 308.43 ECC 1.6710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 30 2098.22 -16.59 34.25 160.04 113.28 2 17 29 1498.2 -13.29 27.12
 90.00 11 19 11 5328.22 27.52 242.38 166.23 83.03 12 47 59 4728.2 26.26 233.93
 100.00 2 59 17 1850.51 -17.87 15.44 159.45 114.37 3 30 8 1250.5 -14.43 8.34
 100.00 12 45 5 5051.16 28.90 221.79 166.02 82.02 14 9 17 4451.2 27.50 213.27
 110.00 3 57 9 1669.33 -21.26 359.94 157.70 117.42 4 24 58 1069.3 -17.42 352.92
 110.00 14 3 43 4805.11 32.63 202.39 165.30 79.20 15 23 48 4205.1 30.80 193.65

DIFFERENTIAL CORRECTIONS

TOE -.0053 TRA -.7788 TC3 -.2012 BAU .1226
 ROE -.4107 RRA .1774 RC3 .1005 FAU .14677
 FDE .7129 FRA -2.2774 FC3 -3.1164 BSP 1638
 BOE .4108 BRA .7987 BC3 .2249 FSP -1214

MID-COURSE EXECUTION ACCURACY

SGT 753.3 SGR 422.3 SG3 391.5
 RRT -.4572 RRF -.5646 RTF .7282
 SGB 863.6 R23 .1475 R13 -.7592
 SG1 784.8 SG2 360.5 THA 161.61

ORBIT DETERMINATION ACCURACY

ST 212.6 SR 371.7 SS 287.9
 CRT -.1084 CRS .7962 CST -.6789
 LSA 454.3 MSA 243.8 SSA 21.1
 EL1 372.8 EL2 210.8 ALF 95.22

LAUNCH DATE DEC 23 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 254.787

RL 147.15 LAL .00 LOL 90.96 VL 28.993 GAL -11.84 AZL 87.18 MCA 118.63 SMA 137.79 ECC .21576 INC 2.8187 V1 30.276
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.641 GAP -.21 AZP 91.35 TAL 240.20 TAP 358.83 RCA 108.06 APO 167.51 V2 35.069
 RC 80.581 GL 12.76 GP 10.37 ZAL 157.82 ZAP 84.13 ETS 356.68 ZAE 171.52 ETE 148.54 ZAC 39.36 ETC 167.92 CLP -84.03

PLANETOCENTRIC CONIC

C3 39.941 VHL 6.320 DLA -9.43 RAL 289.02 RAD 6568.5 VEL 12.701 PTH 2.31 VHP 3.645 DPA -11.24 RAP 306.31 ECC 1.6573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 26 2089.34 -16.35 33.70 159.95 113.45 2 19 16 1489.3 -13.04 26.59
 90.00 11 19 19 5326.68 27.50 242.26 166.14 82.98 12 48 6 4726.7 26.24 233.82
 100.00 3 1 9 1841.84 -17.62 14.91 159.35 114.54 3 31 51 1241.8 -14.16 7.83
 100.00 12 45 17 5049.42 28.89 221.66 165.94 81.96 14 9 26 4449.4 27.47 213.15
 110.00 3 58 53 1661.08 -21.00 359.44 157.60 117.61 4 26 34 1061.1 -17.14 352.45
 110.00 14 4 3 4802.94 32.60 202.23 165.22 79.10 15 24 6 4202.9 30.76 193.50

DIFFERENTIAL CORRECTIONS

TDE .0133 TRA -.8505 TC3 -.2853 BAU .1649
 RDE -.3989 RRA .1858 RC3 .1185 FAU .15099
 FDE .7124 FRA-2.3161 FC3-3.2727 BSP 2049
 BDE .3992 BRA .8705 BC3 .3089 FSP -1273

MID-COURSE EXECUTION ACCURACY

SGT 860.8 SGR 427.1 SG3 405.8
 RRT -.5218 RRF -.6065 RTF .7823
 SGB 960.9 R23 .1363 R13 -.8046
 SG1 894.7 SG2 350.5 THA 162.76

ORBIT DETERMINATION ACCURACY

ST 235.0 SR 365.3 SS 288.7
 CRT -.1914 CRS .7969 CST -.7374
 LSA 456.7 MSA 251.0 SSA 21.0
 EL1 369.8 EL2 227.9 ALF 101.40

LAUNCH DATE DEC 23 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 261.146

RL 147.15 LAL .00 LOL 90.96 VL 28.966 GAL -11.72 AZL 87.25 MCA 121.84 SMA 137.56 ECC .21422 INC 2.7546 V1 30.276
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.609 GAP -.27 AZP 91.45 TAL 239.71 TAP 1.55 RCA 108.09 APO 167.03 V2 35.056
 RC 82.862 GL 12.59 GP 10.81 ZAL 157.66 ZAP 89.20 ETS 357.52 ZAE 168.06 ETE 154.50 ZAC 37.41 ETC 168.34 CLP -89.18

PLANETOCENTRIC CONIC

C3 39.095 VHL 6.253 DLA -9.55 RAL 289.35 RAD 6568.5 VEL 12.667 PTH 2.30 VHP 3.612 DPA -11.18 RAP 304.32 ECC 1.6434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 42 2079.93 -16.09 33.13 159.90 113.62 2 21 22 1479.9 -12.76 26.04
 90.00 11 19 37 5325.27 27.49 242.16 166.11 82.93 12 48 22 4725.3 26.23 233.72
 100.00 3 3 21 1832.64 -17.36 14.35 159.31 114.72 3 33 54 1232.6 -13.88 7.29
 100.00 12 45 39 5047.79 28.87 221.55 165.90 81.90 14 9 47 4447.8 27.45 213.03
 110.00 4 0 56 1632.35 -20.73 358.92 157.55 117.81 4 28 28 1052.4 -16.84 351.94
 110.00 14 4 34 4800.84 32.57 202.07 165.18 79.01 15 24 35 4200.8 30.72 193.35

DIFFERENTIAL CORRECTIONS

TDE .0305 TRA -.9245 TC3 -.3753 BAU .2087
 RDE -.3860 RRA .1929 RC3 .1363 FAU .15318
 FDE .7067 FRA-2.3163 FC3-3.3922 BSP 2489
 BDE .3872 BRA .9444 BC3 .3993 FSP -1304

MID-COURSE EXECUTION ACCURACY

SGT 979.3 SGR 431.6 SG3 414.8
 RRT -.5770 RRF -.6458 RTF .8206
 SGB 1070.2 R23 .1307 R13 -.8372
 SG1 1014.7 SG2 340.2 THA 163.87

ORBIT DETERMINATION ACCURACY

ST 259.6 SR 357.8 SS 288.1
 CRT -.2564 CRS .8004 CST -.7773
 LSA 460.5 MSA 256.7 SSA 20.9
 EL1 369.1 EL2 243.2 ALF 109.08

LAUNCH DATE DEC 23 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 267.469

RL 147.15 LAL .00 LOL 90.96 VL 28.934 GAL -11.58 AZL 87.31 MCA 125.05 SMA 137.30 ECC .21273 INC 2.6858 V1 30.276
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.573 GAP -.73 AZP 91.54 TAL 239.12 TAP 4.18 RCA 108.09 APO 166.51 V2 35.043
 RC 85.157 GL 12.40 GP 11.25 ZAL 157.47 ZAP 94.08 ETS 358.40 ZAE 164.64 ETE 157.74 ZAC 35.62 ETC 168.81 CLP -94.16

PLANETOCENTRIC CONIC

C3 38.233 VHL 6.183 DLA -9.69 RAL 289.73 RAD 6568.5 VEL 12.633 PTH 2.29 VHP 3.600 DPA -11.06 RAP 302.50 ECC 1.6292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 20 2069.82 -15.81 32.52 159.90 113.80 2 23 50 1469.8 -12.46 25.44
 90.00 11 20 3 5324.11 27.48 242.08 166.13 82.89 12 48 47 4724.1 26.21 233.64
 100.00 3 5 54 1822.78 -17.08 13.76 159.31 114.91 3 36 17 1222.8 -13.58 6.71
 100.00 12 46 9 5046.59 28.86 221.44 165.92 81.84 14 10 15 4446.4 27.43 212.93
 110.00 4 3 19 1643.02 -20.43 358.36 157.55 118.02 4 30 42 1043.0 -16.52 351.41
 110.00 14 5 14 4798.91 32.55 201.93 165.19 78.93 15 25 13 4198.9 30.68 193.21

DIFFERENTIAL CORRECTIONS

TDE .0460 TRA -.9989 TC3 -.4699 BAU .2528
 RDE -.3714 RRA .1990 RC3 .1546 FAU .15393
 FDE .6854 FRA-2.2904 FC3-3.4855 BSP 2943
 BDE .3742 BRA 1.0185 BC3 .4947 FSP -1330

MID-COURSE EXECUTION ACCURACY

SGT 1105.1 SGR 435.8 SG3 419.9
 RRT -.6258 RRF -.6823 RTF .8479
 SGB 1187.9 R23 .1280 R13 -.8604
 SG1 1141.4 SG2 329.1 THA 164.85

ORBIT DETERMINATION ACCURACY

ST 285.4 SR 348.7 SS 284.6
 CRT -.3073 CRS .8008 CST -.8090
 LSA 464.4 MSA 260.8 SSA 20.8
 EL1 371.7 EL2 254.9 ALF 118.37

LAUNCH DATE DEC 23 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 273.758

RL 147.15 LAL .00 LOL 90.96 VL 28.898 GAL -11.44 AZL 87.39 MCA 128.26 SMA 137.00 ECC .21129 INC 2.6115 V1 30.276
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.533 GAP 1.17 AZP 91.62 TAL 238.45 TAP 6.71 RCA 108.05 APO 165.95 V2 35.030
 RC 87.465 GL 12.19 GP 11.69 ZAL 157.23 ZAP 98.75 ETS 359.35 ZAE 161.35 ETE 159.72 ZAC 34.04 ETC 169.36 CLP -98.94

PLANETOCENTRIC CONIC

C3 37.353 VHL 6.112 DLA -9.84 RAL 290.17 RAD 6568.5 VEL 12.598 PTH 2.29 VHP 3.607 DPA -10.88 RAP 300.87 ECC 1.6147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 21 2058.86 -15.51 31.86 159.95 113.99 2 26 40 1458.9 -12.14 24.80
 90.00 11 20 33 5323.31 27.47 242.02 166.20 82.86 12 49 17 4723.3 26.20 233.59
 100.00 3 8 50 1812.09 -16.77 13.11 159.35 115.11 3 39 2 1212.1 -13.25 6.09
 100.00 12 46 45 5045.31 28.85 221.37 165.99 81.80 14 10 50 4445.3 27.41 212.86
 110.00 4 6 3 1632.93 -20.11 357.75 157.59 118.24 4 33 16 1032.9 -16.18 350.84
 110.00 14 6 1 4797.23 32.53 201.80 165.26 78.86 15 25 59 4197.2 30.65 193.09

DIFFERENTIAL CORRECTIONS

TDE .0589 TRA -1.0728 TC3 -.5686 BAU .2968
 RDE -.3554 RRA .2038 RC3 .1730 FAU .15311
 FDE .6540 FRA-2.2372 FC3-3.5486 BSP 3412
 BDE .3602 BRA 1.0920 BC3 .5944 FSP -1344

MID-COURSE EXECUTION ACCURACY

SGT 1236.1 SGR 439.7 SG3 420.8
 RRT -.6685 RRF -.7165 RTF .8673
 SGB 1312.0 R23 .1285 R13 -.8772
 SG1 1273.0 SG2 317.5 THA 165.72

ORBIT DETERMINATION ACCURACY

ST 311.9 SR 338.3 SS 278.9
 CRT -.3445 CRS .8003 CST -.8318
 LSA 468.8 MSA 263.1 SSA 20.7
 EL1 378.4 EL2 261.7 ALF 128.36

LAUNCH DATE DEC 23 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 280.013

RL 147.15 LAL .00 LOL 90.96 VL 28.857 GAL -11.30 AZL 87.47 HCA 131.46 SMA 136.67 ECC .20988 INC 2.5303 V1 30.276
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.491 GAP 1.59 AZP 91.68 TAL 237.70 TAP 9.16 RCA 107.98 APO 165.35 V2 35.016
 RC 89.783 GL 11.94 GP 12.16 ZAL 156.96 ZAP 103.18 ETS .35 ZAE 158.22 ETE 160.99 ZAC 32.68 ETC 170.01 CLP-103.48

PLANETOCENTRIC CONIC

C3 36.454 VHL 6.038 DLA -10.02 RAL 290.67 RAD 6568.4 VEL 12.563 PTH 2.28 VHP 3.632 DPA -10.63 RAP 299.48 ECC 1.5999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 48 2046.80 -15.18 31.13 160.04 114.20 2 29 54 1446.8 -11.78 24.10
 90.00 11 21 6 5323.05 27.47 242.00 166.31 82.85 12 49 49 4723.0 26.20 233.57
 100.00 3 12 11 1800.36 -16.43 12.41 159.44 115.33 3 42 11 1200.4 -12.89 5.41
 100.00 12 47 24 5044.72 28.84 221.32 166.10 81.78 14 11 28 4444.7 27.40 212.82
 110.00 4 9 10 1621.90 -19.75 357.10 157.67 118.48 4 36 12 1021.9 -15.79 350.21
 110.00 14 6 54 4795.95 32.51 201.70 165.37 78.80 15 26 49 4195.9 30.63 192.99

DIFFERENTIAL CORRECTIONS

TDE .0691 TRA-1.1444 TC3 -.6704 BAU .3398
 RDE -.3385 RRA .2069 RC3 .1913 FAU .15061
 FDE .6216 FRA-2.1538 FC3-3.5767 BSP 3875
 BDE .3455 BRA 1.1630 BC3 .6972 FSP -1331

MID-COURSE EXECUTION ACCURACY

SGT 1369.6 SGR 443.1 SG3 417.1
 RRT -.7053 RRF -.7484 RTF .8807
 SGB 1439.5 R23 .1334 R13 -.8889
 SG1 1406.6 SG2 305.8 TMA 166.50

ORBIT DETERMINATION ACCURACY

ST 338.2 SR 326.8 SS 272.2
 CRT -.3712 CRS .8029 CST -.8449
 LSA 474.8 MSA 263.4 SSA 20.6
 EL1 389.6 EL2 263.4 ALF 137.62

LAUNCH DATE DEC 23 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 286.236

RL 147.15 LAL .00 LOL 90.96 VL 28.813 GAL -11.15 AZL 87.56 HCA 134.67 SMA 136.31 ECC .20852 INC 2.4409 V1 30.276
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.445 GAP 1.98 AZP 91.72 TAL 236.87 TAP 11.54 RCA 107.89 APO 164.73 V2 35.003
 RC 92.112 GL 11.65 GP 12.67 ZAL 156.65 ZAP 107.33 ETS 1.44 ZAE 155.28 ETE 161.80 ZAC 31.55 ETC 170.79 CLP-107.78

PLANETOCENTRIC CONIC

C3 35.535 VHL 5.961 DLA -10.23 RAL 291.23 RAD 6568.4 VEL 12.526 PTH 2.27 VHP 3.672 DPA -10.29 RAP 298.33 ECC 1.5848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 44 2033.38 -14.80 30.32 160.17 114.42 2 33 38 1433.4 -11.38 23.31
 90.00 11 21 36 5323.57 27.48 242.04 166.48 82.87 12 50 20 4723.6 26.20 233.61
 100.00 3 16 1 1787.32 -16.05 11.63 159.56 115.56 3 45 48 1187.3 -12.48 4.66
 100.00 12 48 1 5044.87 28.84 221.33 166.27 81.79 14 12 6 4444.9 27.41 212.83
 110.00 4 12 44 1609.76 -19.35 356.37 157.78 118.74 4 39 34 1009.8 -15.37 349.52
 110.00 14 7 47 4795.26 32.50 201.65 165.54 78.78 15 27 42 4195.3 30.61 192.94

DIFFERENTIAL CORRECTIONS

TDE .0753 TRA-1.2134 TC3 -.7757 BAU .3818
 RDE -.3201 RRA .2092 RC3 .2106 FAU .14727
 FDE .5763 FRA-2.0578 FC3-3.5879 BSP 4352
 BDE .3288 BRA 1.2313 BC3 .8037 FSP -1319

MID-COURSE EXECUTION ACCURACY

SGT 1505.0 SGR 446.6 SG3 411.1
 RRT -.7389 RRF -.7788 RTF .8906
 SGB 1569.8 R23 .1404 R13 -.8975
 SG1 1542.1 SG2 293.6 TMA 167.16

ORBIT DETERMINATION ACCURACY

ST 363.9 SR 313.8 SS 262.9
 CRT -.3878 CRS .8012 CST -.8556
 LSA 480.6 MSA 261.9 SSA 20.4
 EL1 403.6 EL2 260.8 ALF 145.49

LAUNCH DATE DEC 23 1965

FLIGHT TIME 98.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 292.430

RL 147.15 LAL .00 LOL 90.96 VL 28.765 GAL -10.99 AZL 87.66 HCA 137.86 SMA 135.93 ECC .20718 INC 2.3409 V1 30.276
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.398 GAP 2.36 AZP 91.74 TAL 235.98 TAP 13.84 RCA 107.77 APO 164.09 V2 34.990
 RC 94.449 GL 11.31 GP 13.23 ZAL 156.31 ZAP 111.21 ETS 2.61 ZAE 152.52 ETE 162.27 ZAC 30.68 ETC 171.72 CLP-111.82

PLANETOCENTRIC CONIC

C3 34.596 VHL 5.882 DLA -10.49 RAL 291.85 RAD 6568.4 VEL 12.489 PTH 2.26 VHP 3.725 DPA -9.86 RAP 297.43 ECC 1.5694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 17 2018.20 -14.37 29.42 160.33 114.66 2 37 55 1418.2 -10.92 22.43
 90.00 11 21 59 5325.22 27.49 242.16 166.70 82.93 12 50 44 4725.2 26.23 233.72
 100.00 3 20 24 1772.61 -15.62 10.75 159.73 115.82 3 49 57 1172.6 -12.02 3.81
 100.00 12 48 33 5046.04 28.85 221.42 166.49 81.83 14 12 39 4446.0 27.42 212.91
 110.00 4 16 48 1595.99 -18.90 355.57 157.94 119.03 4 43 24 996.0 -14.89 348.75
 110.00 14 8 38 4795.43 32.50 201.66 165.77 78.78 15 28 33 4195.4 30.62 192.96

DIFFERENTIAL CORRECTIONS

TDE .0781 TRA-1.2777 TC3 -.8831 BAU .4221
 RDE -.3009 RRA .2099 RC3 .2303 FAU .14278
 FDE .5309 FRA-1.9417 FC3-3.5730 BSP 4805
 BDE .3109 BRA 1.2948 BC3 .9126 FSP -1287

MID-COURSE EXECUTION ACCURACY

SGT 1639.2 SGR 450.1 SG3 401.9
 RRT -.7685 RRF -.8075 RTF .8972
 SGB 1699.9 R23 .1515 R13 -.9033
 SG1 1676.4 SG2 281.6 TMA 167.73

ORBIT DETERMINATION ACCURACY

ST 388.5 SR 299.8 SS 252.7
 CRT -.3972 CRS .8014 CST -.8603
 LSA 487.3 MSA 258.4 SSA 20.3
 EL1 419.3 EL2 254.9 ALF 151.72

LAUNCH DATE DEC 23 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 298.594

RL 147.15 LAL .00 LOL 90.96 VL 28.715 GAL -10.83 AZL 87.77 HCA 141.06 SMA 135.53 ECC .20589 INC 2.2279 V1 30.276
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.348 GAP 2.73 AZP 91.73 TAL 235.02 TAP 16.08 RCA 107.62 APO 163.43 V2 34.977
 RC 96.794 GL 10.90 GP 13.87 ZAL 155.95 ZAP 114.81 ETS 3.90 ZAE 149.96 ETE 162.45 ZAC 30.05 ETC 172.83 CLP-115.61

PLANETOCENTRIC CONIC

C3 33.636 VHL 5.800 DLA -10.80 RAL 292.52 RAD 6568.3 VEL 12.450 PTH 2.25 VHP 3.790 DPA -9.30 RAP 296.76 ECC 1.5536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 32 2000.76 -13.87 28.38 160.54 114.94 2 42 53 1400.8 -10.40 21.42
 90.00 11 22 8 5328.46 27.52 242.39 166.98 83.04 12 50 56 4728.5 26.27 233.95
 100.00 3 25 29 1755.75 -15.11 9.75 159.93 116.10 3 54 45 1155.8 -11.48 2.84
 100.00 12 48 52 5048.70 28.88 221.61 166.78 81.93 14 13 1 4448.7 27.46 213.10
 110.00 4 21 29 1580.38 -18.38 354.65 158.13 119.34 4 47 50 980.4 -14.34 347.88
 110.00 14 9 21 4796.84 32.52 201.77 166.06 78.84 15 29 18 4196.8 30.64 193.06

DIFFERENTIAL CORRECTIONS

TDE .0755 TRA-1.3377 TC3 -.9945 BAU .4613
 RDE -.2802 RRA .2100 RC3 .2520 FAU .13791
 FDE .4745 FRA-1.8214 FC3-3.5495 BSP 5276
 BDE .2902 BRA 1.3541 BC3 1.0259 FSP -1260

MID-COURSE EXECUTION ACCURACY

SGT 1773.8 SGR 454.6 SG3 391.4
 RRT -.7961 RRF -.8351 RTF .9020
 SGB 1831.1 R23 .1653 R13 -.9076
 SG1 1811.2 SG2 269.4 TMA 168.20

ORBIT DETERMINATION ACCURACY

ST 411.9 SR 284.1 SS 239.9
 CRT -.3974 CRS .7957 CST -.8648
 LSA 493.6 MSA 252.9 SSA 20.2
 EL1 435.4 EL2 246.7 ALF 156.86

LAUNCH DATE DEC 23 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 304.731

RL 147.15 LAL .00 LOL 90.96 VL 28.662 GAL -10.66 AZL 87.90 MCA 144.25 SMA 135.11 ECC .20464 INC 2.0983 V1 30.276
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.297 GAP 3.07 AZP 91.70 TAL 234.00 TAP 18.25 RCA 107.46 APO 162.76 V2 34.964
 RC 99.145 GL 10.40 GP 14.62 ZAL 155.56 ZAP 118.12 ETS 5.34 ZAE 147.58 ETE 162.38 ZAC 29.66 ETC 174.17 CLP-119.15

PLANETOCENTRIC CONIC

C3 32.655 VHL 5.714 DLA -11.19 RAL 293.26 RAD 6568.3 VEL 12.411 PTH 2.24 VHP 3.865 DPA -8.60 RAP 296.32 ECC 1.5374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 43 1980.36 -13.28 27.17 160.79 115.24 2 48 43 1380.4 -9.77 20.25
 90.00 11 21 52 5333.95 27.56 242.79 167.34 83.23 12 50 46 4733.9 26.34 234.33
 100.00 3 31 26 1736.08 -14.52 8.59 160.18 116.42 4 0 22 1136.1 -10.86 1.72
 100.00 12 48 51 5053.45 28.93 221.96 167.14 82.11 14 13 4 4453.5 27.53 213.43
 110.00 4 26 56 1562.28 -17.78 353.60 158.37 119.69 4 52 58 962.3 -13.69 346.87
 110.00 14 9 50 4800.02 32.56 202.01 166.43 78.98 15 29 50 4200.0 30.70 193.29

DIFFERENTIAL CORRECTIONS

TDE .0670 TRA-1.3922 TC3-1.1097 BAU .4992
 RDE -.2584 RRA .2090 RC3 .2759 FAU .13258
 FDE .4129 FRA-1.6944 FC3-3.5148 BSP 5741
 BDE .2670 BRA 1.4078 BC3 1.1435 FSP -1228

MID-COURSE EXECUTION ACCURACY

SGT 1907.3 SGR 460.6 SG3 379.6
 RRT -.8210 RRF -.8615 RTF .9053
 SGB 1962.2 R23 .1830 R13 -.9105
 SG1 1945.1 SG2 257.9 TMA 168.58

ORBIT DETERMINATION ACCURACY

ST 433.8 SR 267.1 SS 225.5
 CRT -.3895 CRS .7859 CST -.8678
 LSA 499.9 MSA 245.1 SSA 20.1
 EL1 451.2 EL2 236.5 ALF 161.16

LAUNCH DATE DEC 23 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 310.842

RL 147.15 LAL .00 LOL 90.96 VL 28.607 GAL -10.48 AZL 88.05 MCA 147.45 SMA 134.68 ECC .20343 INC 1.9470 V1 30.276
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.244 GAP 3.40 AZP 91.64 TAL 232.92 TAP 20.37 RCA 107.28 APO 162.07 V2 34.951
 RC 101.502 GL 9.78 GP 15.53 ZAL 155.15 ZAP 121.14 ETS 6.98 ZAE 145.34 ETE 162.06 ZAC 29.51 ETC 175.77 CLP-122.46

PLANETOCENTRIC CONIC

C3 31.653 VHL 5.626 DLA -11.69 RAL 294.08 RAD 6568.3 VEL 12.370 PTH 2.23 VHP 3.951 DPA -7.72 RAP 296.08 ECC 1.5209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 4 1955.98 -12.57 25.73 161.10 115.58 2 55 40 1356.0 -9.03 18.85
 90.00 11 21 0 5342.63 27.63 243.41 167.78 83.54 12 50 3 4742.6 26.45 234.95
 100.00 3 38 29 1712.66 -13.81 7.22 160.47 116.78 4 7 2 1112.7 -10.10 .39
 100.00 12 48 16 5061.18 29.00 222.52 167.59 82.40 14 12 37 4461.2 27.64 213.98
 110.00 4 33 20 1540.88 -17.05 352.36 158.65 120.09 4 59 1 940.9 -12.92 345.69
 110.00 14 9 54 4805.72 32.64 202.44 166.91 79.22 15 30 0 4205.7 30.81 193.70

DIFFERENTIAL CORRECTIONS

TDE .0529 TRA-1.4391 TC3-1.2279 BAU .5351
 RDE -.2360 RRA .2065 RC3 .3019 FAU .12659
 FDE .3520 FRA-1.5565 FC3-3.4625 BSP 6175
 BDE .2418 BRA 1.4538 BC3 1.2645 FSP -1180

MID-COURSE EXECUTION ACCURACY

SGT 2037.5 SGR 468.2 SG3 365.8
 RRT -.8424 RRF -.8863 RTF .9070
 SGB 2090.6 R23 .2056 R13 -.9121
 SG1 2075.9 SG2 247.7 TMA 168.88

ORBIT DETERMINATION ACCURACY

ST 454.1 SR 249.0 SS 209.9
 CRT -.3740 CRS .7749 CST -.8674
 LSA 506.4 MSA 235.4 SSA 19.9
 EL1 466.6 EL2 224.8 ALF 164.80

LAUNCH DATE DEC 23 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 316.927

RL 147.15 LAL .00 LOL 90.96 VL 28.550 GAL -10.30 AZL 88.23 MCA 150.64 SMA 134.23 ECC .20226 INC 1.7669 V1 30.276
 RP 108.46 LAP .87 LOP 241.60 VP 38.190 GAP 3.72 AZP 91.54 TAL 231.79 TAP 22.43 RCA 107.08 APO 161.38 V2 34.939
 RC 103.862 GL 9.00 GP 16.63 ZAL 154.72 ZAP 123.87 ETS 8.87 ZAE 143.23 ETE 161.48 ZAC 29.59 ETC 177.69 CLP-125.56

PLANETOCENTRIC CONIC

C3 30.630 VHL 5.534 DLA -12.33 RAL 294.97 RAD 6568.2 VEL 12.329 PTH 2.22 VHP 4.047 DPA -6.61 RAP 296.02 ECC 1.5041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 1 1926.16 -11.69 25.99 161.47 115.98 3 4 7 1326.2 -8.10 17.14
 90.00 11 19 10 5355.94 27.73 244.38 168.34 84.01 12 48 26 4755.9 26.61 235.89
 100.00 3 47 2 1684.10 -12.92 5.56 160.84 117.19 4 15 6 1084.1 -9.18 358.77
 100.00 12 46 50 5073.23 29.10 223.40 168.16 82.85 14 11 23 4473.2 27.81 214.84
 110.00 4 41 2 1515.01 -16.16 350.89 159.00 120.54 5 6 17 915.0 -11.99 344.27
 110.00 14 9 20 4815.09 32.75 203.14 167.50 79.62 15 29 35 4215.1 30.98 194.37

DIFFERENTIAL CORRECTIONS

TDE .0290 TRA-1.4792 TC3-1.3525 BAU .5703
 RDE -.2116 RRA .2034 RC3 .3324 FAU .12061
 FDE .2786 FRA-1.4212 FC3-3.4090 BSP 6632
 BDE .2136 BRA 1.4932 BC3 1.3927 FSP -1141

MID-COURSE EXECUTION ACCURACY

SGT 2167.7 SGR 479.4 SG3 351.9
 RRT -.8615 RRF -.9096 RTF .9081
 SGB 2220.1 R23 .2316 R13 -.9132
 SG1 2207.2 SG2 239.1 TMA 169.08

ORBIT DETERMINATION ACCURACY

ST 473.4 SR 228.7 SS 191.6
 CRT -.3463 CRS .7476 CST -.8723
 LSA 513.1 MSA 222.2 SSA 19.9
 EL1 481.5 EL2 210.9 ALF 168.21

LAUNCH DATE DEC 23 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 322.990

RL 147.15 LAL .00 LOL 90.96 VL 28.492 GAL -10.10 AZL 88.45 MCA 153.82 SMA 133.78 ECC .20114 INC 1.5472 V1 30.276
 RP 108.50 LAP .68 LOP 244.79 VP 38.135 GAP 4.02 AZP 91.39 TAL 230.62 TAP 24.44 RCA 106.87 APO 160.69 V2 34.926
 RC 106.225 GL 8.00 GP 18.02 ZAL 154.27 ZAP 126.27 ETS 11.10 ZAE 141.20 ETE 160.59 ZAC 29.90 ETC 180.01 CLP-128.47

PLANETOCENTRIC CONIC

C3 29.588 VHL 5.439 DLA -13.17 RAL 295.96 RAD 6568.2 VEL 12.287 PTH 2.21 VHP 4.155 DPA -5.20 RAP 296.10 ECC 1.4869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 12 1888.63 -10.56 21.81 161.94 116.43 3 14 41 1288.6 -6.93 15.01
 90.00 11 15 51 5376.12 27.86 245.84 169.05 84.73 12 45 27 4776.1 26.84 237.32
 100.00 3 57 41 1648.31 -11.80 3.49 161.29 117.66 4 25 9 1048.3 -8.01 356.76
 100.00 12 44 3 5091.67 29.25 224.75 168.89 83.54 14 8 55 4491.7 28.05 216.16
 110.00 4 50 30 1482.89 -15.04 349.07 159.42 121.06 5 15 13 882.9 -10.82 342.52
 110.00 14 7 44 4829.85 32.93 204.26 168.28 80.26 15 28 13 4229.9 31.24 195.45

DIFFERENTIAL CORRECTIONS

TDE -.0047 TRA-1.5090 TC3-1.4816 BAU .6038
 RDE -.1858 RRA .1986 RC3 .3674 FAU .11414
 FDE .2013 FRA-1.2779 FC3-3.3397 BSP 7050
 BDE .1859 BRA 1.5220 BC3 1.5265 FSP -1087

MID-COURSE EXECUTION ACCURACY

SGT 2294.1 SGR 494.1 SG3 336.4
 RRT -.8767 RRF -.9307 RTF .9083
 SGB 2346.7 R23 .2621 R13 -.9134
 SG1 2335.1 SG2 233.5 TMA 169.20

ORBIT DETERMINATION ACCURACY

ST 492.1 SR 206.4 SS 171.7
 CRT -.3068 CRS .7042 CST -.8806
 LSA 521.3 MSA 205.4 SSA 19.9
 EL1 496.9 EL2 194.6 ALF 171.33

LAUNCH DATE DEC 23 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 28.432 GAL -9.91 AZL 88.73 HCA 157.01 SMA 133.33 ECC .20007 INC 1.2719 V1 30.276
 RP 108.54 LAP .50 LOP 247.97 VP 38.080 GAP 4.31 A7P 91.17 TAL 229.39 TAP 26.40 RCA 106.65 APO 160.00 V2 34.914
 RC 108.588 GL 6.68 GP 19.79 ZAL 153.80 ZAP 128.30 ETS 13.79 ZAE 139.18 ETE 159.35 ZAC 30.45 ETC 182.83 CLP-131.20

PLANETOCENTRIC CONIC
 C3 28.532 VML 5.342 DLA -14.32 RAL 297.06 RAD 6568.1 VEL 12.244 PTH 2.20 VHP 4.280 DPA -3.39 RAP 296.29 ECC 1.4696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 43 1839.69 -9.06 18.99 162.56 116.94 3 28 22 1239.7 -5.38 12.25
 90.00 11 10 10 5406.87 28.03 248.07 169.99 85.84 12 40 17 4806.9 27.16 239.51
 100.00 4 11 25 1601.87 -10.32 .84 161.89 118.21 4 38 7 1001.9 -6.47 354.17
 100.00 12 39 9 5119.91 29.45 226.83 169.86 84.62 14 4 29 4519.9 28.39 218.19
 110.00 5 2 34 1441.66 -13.58 346.77 159.97 121.68 5 26 36 841.7 -9.29 340.29
 110.00 14 4 29 4852.89 33.18 206.01 169.32 81.27 15 25 22 4252.9 31.62 197.13

DIFFERENTIAL CORRECTIONS
 TDE -.0551 TRA-1.5288 TC3-1.6197 BAU .6373 SGT 2421.1 SGR 515.4 SG3 320.4 ST 513.8 SR 180.4 SS 150.9
 RDE -.1568 RRA .1926 RC3 .4100 FAU .10757 RRT -.8887 RRF -.9495 RTF .9082 CRT -.2505 CRS .6097 CST -.9069
 FDE .1074 FRA-1.1358 FC3-3.2640 BSP 7500 SGB 2475.4 R23 .2942 R13 -.9137 LSA 534.6 MSA 181.9 SSA 20.4
 BDE .1662 BRA 1.5409 BC3 1.6708 FSP -1040 SG1 2464.5 SG2 232.2 THA 169.19 EL1 516.0 EL2 173.9 ALF 174.33

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 28.371 GAL -9.70 AZL 89.09 HCA 160.19 SMA 132.87 ECC .19905 INC .9138 V1 30.276
 RP 108.58 LAP .31 LOP 251.15 VP 38.024 GAP 4.59 A7P 90.86 TAL 228.13 TAP 28.32 RCA 106.42 APO 159.31 V2 34.903
 RC 110.951 GL 4.88 GP 22.11 ZAL 153.28 ZAP 129.87 ETS 17.11 ZAE 137.08 ETE 157.66 ZAC 31.30 ETC 186.34 CLP-133.78

PLANETOCENTRIC CONIC
 C3 27.473 VML 5.241 DLA -15.92 RAL 298.33 RAD 6568.1 VEL 12.200 PTH 2.19 VHP 4.429 DPA -1.01 RAP 296.51 ECC 1.4521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 30 1772.85 -6.98 15.18 163.43 117.51 3 47 3 1172.8 -3.24 8.50
 90.00 11 0 30 5454.85 28.22 251.57 171.27 87.58 12 31 25 4854.9 27.59 242.96
 100.00 4 30 1 1538.89 -8.27 357.29 162.73 118.83 4 55 40 938.9 -4.36 350.68
 100.00 12 30 41 5164.04 29.69 230.09 171.18 86.32 13 56 45 4564.0 28.86 221.38
 110.00 5 18 39 1386.54 -11.59 343.74 160.74 122.39 5 41 45 786.5 -7.23 337.35
 110.00 13 58 32 4889.16 33.52 208.79 170.75 82.88 15 20 1 4289.2 32.17 199.82

DIFFERENTIAL CORRECTIONS
 TDE -.1268 TRA-1.5327 TC3-1.7635 BAU .6695 SGT 2544.1 SGR 543.7 SG3 302.1 ST 543.6 SR 149.7 SS 133.9
 RDE -.1237 RRA .1839 RC3 .4611 FAU .10030 RRT -.8957 RRF -.9653 RTF .9075 CRT -.1823 CRS .4294 CST -.9508
 FDE .0001 FRA -.9835 FC3-3.1606 BSP 7914 SGB 2601.5 R23 .3267 R13 -.9134 LSA 559.2 MSA 150.5 SSA 21.4
 BDE .1771 BRA 1.5437 BC3 1.8228 FSP -979 SG1 2590.7 SG2 237.3 THA 169.07 EL1 544.3 EL2 147.0 ALF 176.90

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 28.310 GAL -9.49 AZL 89.57 HCA 163.36 SMA 132.40 ECC .19809 INC .4245 V1 30.276
 RP 108.61 LAP .12 LOP 254.32 VP 37.967 GAP 4.86 A7P 90.41 TAL 226.82 TAP 30.19 RCA 106.17 APO 158.83 V2 34.892
 RC 113.313 GL 2.31 GP 25.24 ZAL 152.64 ZAP 130.81 ETS 21.27 ZAE 134.71 ETE 155.40 ZAC 32.55 ETC 190.76 CLP-136.26

PLANETOCENTRIC CONIC
 C3 26.449 VML 5.143 DLA -18.26 RAL 299.85 RAD 6568.1 VEL 12.158 PTH 2.18 VHP 4.619 DPA 2.18 RAP 296.70 ECC 1.4353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 37 1675.26 -3.88 9.69 164.83 118.07 4 14 32 1075.3 -1.10 3.05
 90.00 10 43 28 5533.58 28.31 257.32 173.08 90.47 12 15 42 4933.6 28.08 248.67
 100.00 4 57 4 1447.93 -5.25 352.22 164.07 119.47 5 21 12 847.9 -1.29 345.68
 100.00 12 15 42 5256.14 29.88 235.44 173.08 89.13 13 42 59 4636.1 29.44 226.66
 110.00 5 41 32 1308.60 -8.72 339.53 161.95 123.18 6 3 21 708.6 -4.29 333.24
 110.00 13 47 44 4948.23 33.93 213.35 172.85 85.55 15 10 12 4348.2 32.94 204.25

DIFFERENTIAL CORRECTIONS
 TDE -.2347 TRA-1.5169 TC3-1.9145 BAU .7020 SGT 2667.0 SGR 583.5 SG3 281.6 ST 597.4 SR 110.5 SS 135.9
 RDE -.0818 RRA .1718 RC3 .5249 FAU .09233 RRT -.8984 RRF -.9779 RTF .9070 CRT -.1426 CRS .1409 CST -.9839
 FDE -.1357 FRA -.8255 FC3-3.0220 BSP 8350 SGB 2730.1 R23 .3547 R13 -.9136 LSA 612.4 MSA 109.4 SSA 23.7
 BDE .2485 BRA 1.5266 BC3 1.9852 FSP -916 SG1 2718.5 SG2 251.4 THA 168.78 EL1 597.6 EL2 109.4 ALF 178.44

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 28.247 GAL -9.27 AZL 90.29 HCA 166.54 SMA 131.94 ECC .19718 INC .2807 V1 30.276
 RP 108.64 LAP -.07 LOP 257.50 VP 37.911 GAP 5.12 A7P 89.72 TAL 225.48 TAP 32.02 RCA 105.92 APO 157.95 V2 34.881
 RC 115.673 GL -1.58 GP 29.66 ZAL 151.64 ZAP 130.77 ETS 26.58 ZAE 131.76 ETE 152.41 ZAC 34.42 ETC 196.49 CLP-138.71

PLANETOCENTRIC CONIC
 C3 25.572 VML 5.057 DLA -21.85 RAL 301.78 RAD 6568.0 VEL 12.122 PTH 2.17 VHP 4.887 DPA 6.64 RAP 296.67 ECC 1.4208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 32 1515.05 1.28 .75 167.48 118.29 5 0 47 915.1 5.05 354.10
 90.00 10 10 0 5677.08 27.79 267.78 175.75 95.68 11 44 37 5077.1 28.28 259.15
 100.00 5 41 29 1302.17 -.33 344.20 166.58 119.89 6 3 11 702.2 3.65 337.68
 100.00 11 46 44 5365.19 29.63 245.02 175.93 94.16 13 16 9 4765.2 29.89 236.22
 110.00 6 17 39 1188.81 -4.20 335.20 164.17 123.96 6 37 28 588.8 .29 326.99
 110.00 13 27 3 5051.32 34.18 221.39 176.14 90.30 14 51 15 4451.3 33.85 212.16

DIFFERENTIAL CORRECTIONS
 TDE -.4036 TRA-1.4690 TC3-2.0620 BAU .7344 SGT 2788.1 SGR 637.9 SG3 256.2 ST 708.8 SR 64.5 SS 182.0
 RDE -.0234 RRA .1524 RC3 .6027 FAU .08280 RRT -.8955 RRF -.9870 RTF .9069 CRT -.4167 CRS .2018 CST -.9594
 FDE -.3079 FRA -.6510 FC3-2.8031 BSP 8782 SGB 2860.2 R23 .3746 R13 -.9146 LSA 730.6 MSA 72.8 SSA 25.5
 BDE .4043 BRA 1.4769 BC3 2.1482 FSP -837 SG1 2846.6 SG2 278.0 THA 168.31 EL1 709.4 EL2 58.6 ALF 177.81

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 352.984

RL 147.15 LAL .00 LOL 90.96 VL 28.184 GAL -9.04 AZL 91.42 MCA 169.71 SMA 131.47 ECC .19633 INC 1.4239 V1 30.276
 RP 108.68 LAP -.25 LOP 260.67 VP 37.854 GAP 5.37 AZP 88.60 TAL 224.10 TAP 33.81 RCA 105.66 APO 157.28 V2 34.870
 RC 118.029 GL -7.92 GP 36.18 ZAL 149.53 ZAP 129.06 ETS 33.41 ZAE 127.57 ETE 148.55 ZAC 37.44 ETC 204.04 CLP-141.32

PLANETOCENTRIC CONIC

C3 25.222 VHL 5.022 OLA -27.77 RAL 304.59 RAD 6568.0 VEL 12.108 PTH 2.17 VHP 5.327 DPA 13.16 RAP 296.12 ECC 1.4151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 19 1106.89 13.93 337.43 174.99 114.91 7 3 46 506.9 17.17 330.26
 90.00 8 22 37 790.41 21.96 317.71 178.34 108.34 8 35 48 190.4 24.26 309.79
 100.00 7 21 4 991.34 10.05 326.97 173.01 118.30 7 37 35 391.3 13.76 320.14
 100.00 10 29 33 5669.24 26.11 266.86 179.70 105.09 12 4 3 5069.2 27.93 258.53
 110.00 7 27 22 971.53 4.09 321.85 169.39 123.97 7 43 34 371.5 8.53 315.56
 110.00 12 39 45 5261.81 32.91 237.65 181.42 99.82 14 7 26 4661.8 33.91 228.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6963 TRA-1.3653 TC3-2.1697 BAU .7672 SGT 2912.0 SGR 708.8 SG3 221.7 ST 956.2 SR 94.5 SS 291.3
 RDE .0706 RRA .1165 RC3 .6850 FAU .07035 RRT -.8855 RRF -.9921 RTF .9082 CRT -.9857 CRS .9689 CST -.9526
 FDE -.5297 FRA -.4492 FC3-2.4147 BSP 9247 SGB 2997.0 R23 .3830 R13 -.9174 LSA 1000.3 MSA 85.4 SSA 12.9
 BDE .6999 BRA 1.3703 BC3 2.2752 FSP -726 SG1 2979.6 SG2 321.8 TMA 167.69 EL1 960.7 EL2 15.9 ALF 174.43

LAUNCH DATE DEC 23 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 358.917

RL 147.15 LAL .00 LOL 90.96 VL 28.121 GAL -8.80 AZL 93.56 MCA 172.87 SMA 131.01 ECC .19553 INC 3.5575 V1 30.276
 RP 108.71 LAP -.44 LOP 263.84 VP 37.798 GAP 5.60 AZP 86.47 TAL 222.68 TAP 35.55 RCA 105.39 APO 156.62 V2 34.860
 RC 120.382 GL -19.35 GP 46.37 ZAL 143.86 ZAP 124.29 ETS 42.21 ZAE 120.74 ETE 144.14 ZAC 42.76 ETC 214.11 CLP-144.74

PLANETOCENTRIC CONIC

C3 27.097 VHL 5.205 OLA -38.46 RAL 309.81 RAD 6568.1 VEL 12.185 PTH 2.19 VHP 6.240 DPA 23.19 RAP 294.18 ECC 1.4459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.81 4 46 10 1558.46 23.59 16.87 186.45 121.30 5 12 8 958.5 27.55 9.58
 117.19 11 3 27 5662.39 23.60 265.15 186.46 121.29 12 37 49 5062.4 27.56 257.86
 62.81 4 46 10 1558.46 23.59 16.87 186.45 121.30 5 12 8 958.5 27.55 9.58
 117.19 11 3 27 5662.39 23.60 265.15 186.46 121.29 12 37 49 5062.4 27.56 257.86
 62.81 4 46 10 1558.46 23.59 16.87 186.45 121.30 5 12 8 958.5 27.55 9.58
 117.19 11 3 27 5662.39 23.60 265.15 186.46 121.29 12 37 49 5062.4 27.56 257.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2965 TRA-1.1319 TC3-2.0785 BAU .7953 SGT 3041.4 SGR 787.9 SG3 172.8 ST 1506.2 SR 278.7 SS 486.2
 RDE .2520 RRA .0367 RC3 .7066 FAU .05300 RRT -.8658 RRF -.9906 RTF .9153 CRT -.9641 CRS .9988 CST -.9751
 FDE -.8139 FRA -.2117 FC3-1.6933 BSP 9746 SGB 3141.8 R23 .3709 R13 -.9261 LSA 1602.3 MSA 123.0 SSA 4.1
 BDE 1.3208 BRA 1.1325 BC3 2.1953 FSP -570 SG1 3117.8 SG2 387.3 TMA 167.19 EL1 1530.0 EL2 72.9 ALF 169.86

LAUNCH DATE DEC 23 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 364.810

RL 147.15 LAL .00 LOL 90.96 VL 28.057 GAL -8.55 AZL 99.03 MCA 176.00 SMA 130.55 ECC .19474 INC 9.0278 V1 30.276
 RP 108.74 LAP -.63 LOP 267.01 VP 37.742 GAP 5.82 AZP 80.99 TAL 221.22 TAP 37.22 RCA 105.13 APO 155.97 V2 34.851
 RC 122.731 GL -41.13 GP 62.97 ZAL 127.98 ZAP 114.00 ETS 55.19 ZAE 108.00 ETE 142.98 ZAC 52.60 ETC 229.30 CLP-153.48

PLANETOCENTRIC CONIC

C3 43.804 VHL 6.618 OLA -57.71 RAL 326.33 RAD 6568.7 VEL 12.852 PTH 2.34 VHP 9.010 DPA 39.06 RAP 287.42 ECC 1.7209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 37.36 4 21 1 1908.01 26.47 53.24 217.98 143.36 4 52 49 1308.0 32.78 47.99
 142.64 13 40 21 5554.58 26.48 257.81 217.99 143.36 15 12 55 4954.6 32.79 252.56
 37.36 4 21 1 1908.01 26.47 53.24 217.98 143.36 4 52 49 1308.0 32.78 47.99
 142.64 13 40 21 5554.58 26.48 257.81 217.99 143.36 15 12 55 4954.6 32.79 252.56
 37.36 4 21 1 1908.01 26.47 53.24 217.98 143.36 4 52 49 1308.0 32.78 47.99
 142.64 13 40 21 5554.58 26.48 257.81 217.99 143.36 15 12 55 4954.6 32.79 252.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0531 TRA -.4382 TC3-1.2626 BAU .7731 SGT 3206.7 SGR 749.2 SG3 106.8 ST 2652.1 SR 469.0 SS 756.4
 RDE .5314 RRA -.1846 RC3 .3854 FAU .02893 RRT -.7725 RRF -.9367 RTF .9450 CRT -.9629 CRS .9878 CST -.9932
 FDE-1.1214 FRA .0725 FC3 -.5717 BSP 10389 SGB 3293.1 R23 .3003 R13 -.9533 LSA 2793.5 MSA 147.8 SSA 1.0
 BDE 3.0990 BRA .4755 BC3 1.3201 FSP -351 SG1 3259.6 SG2 468.1 TMA 169.55 EL1 2690.3 EL2 124.8 ALF 170.32

LAUNCH DATE DEC 23 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 370.425

RL 147.15 LAL .00 LOL 90.96 VL 27.993 GAL -8.24 AZL 136.02 MCA 178.87 SMA 130.09 ECC .19333 INC46.0144 V1 30.276
 RP 108.76 LAP -.81 LOP 270.17 VP 37.686 GAP 5.96 AZP 43.99 TAL 219.59 TAP 38.46 RCA 104.94 APO 155.24 V2 34.842
 RC 125.075 GL -59.57 GP 68.73 ZAL 99.74 ZAP 97.08 ETS 155.45 ZAE 74.34 ETE 232.75 ZAC 67.93 ETC 335.97 CLP 109.87

PLANETOCENTRIC CONIC

C3 534.482 VHL 23.119 OLA -58.78 RAL 22.12 RAD 6572.4 VEL 25.608 PTH 3.36 VHP 30.496 DPA 54.60 RAP 240.35 ECC 9.7962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.07 8 0 10 2350.39 1.84 69.46 290.98 148.77 8 39 20 1750.4 8.67 65.70
 143.93 17 26 17 695.75 1.85 294.48 291.01 148.77 17 37 53 95.7 8.68 290.72
 36.07 8 0 10 2350.39 1.84 69.46 290.98 148.77 8 39 20 1750.4 8.67 65.70
 143.93 17 26 17 695.75 1.85 294.48 291.01 148.77 17 37 53 95.7 8.68 290.72
 36.07 8 0 10 2350.39 1.84 69.46 290.98 148.77 8 39 20 1750.4 8.67 65.70
 143.93 17 26 17 695.75 1.85 294.48 291.01 148.77 17 37 53 95.7 8.68 290.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3916 TRA 1.1192 TC3 -.0206 BAU 1.0649 SGT 643.8 SGR 3124.7 SG3 50.1 ST 380.4 SR 1936.2 SS 849.3
 RDE-7.2174 RRA 5.1643 RC3 .1476 FAU-.01446 RRT .3180 RRF .9948 RTF .4131 CRT -.6761 CRS -.9966 CST .6128
 FDE-1.1563 FRA 1.0286 FC3 .0234 BSP 8281 SGB 3190.4 R23 -.0888 R13 .9960 LSA 2128.7 MSA 288.9 SSA .5
 BDE 7.3504 BRA 5.2842 BC3 .1490 FSP -138 SG1 3131.7 SG2 609.0 TMA 86.10 EL1 1953.5 EL2 277.8 ALF 97.72

LAUNCH DATE DEC 23 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.929 GAL -8.10 AZL 67.41 HCA 182.58 SMA 129.64 ECC .19423 INC22.5916 V1 30.276
 RP 108.79 LAP -.99 LOP 273.34 VP 37.631 GAP 6.34 AZP 112.57 TAL 218.38 TAP 40.96 RCA 104.46 APO 154.82 V2 34.834
 RC 127.413 GL 60.12 GP -71.95 ZAL 108.24 ZAP 107.93 ETS 266.18 ZAE 93.01 ETE 186.98 ZAC 86.72 ETC 93.38 CLP-173.44

PLANETOCENTRIC CONIC
 C3 150.090 VHL 12.251 OLA 42.34 RAL 302.09 RAD 6570.6 VEL 16.475 PTH 2.87 VMP 13.018 CPA -83.53 RAP 90.76 ECC 3.4701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.10 15 47 40 4671.36 -8.76 213.96 202.38 48.40 17 5 32 4071.4 -14.01 208.22
 122.90 22 56 23 3342.90 -8.74 112.03 202.36 48.40 23 52 6 2742.9 -13.99 106.29
 57.10 15 47 40 4671.36 -8.76 213.96 202.38 48.40 17 5 32 4071.4 -14.01 208.22
 122.90 22 56 23 3342.90 -8.74 112.03 202.36 48.40 23 52 6 2742.9 -13.99 106.29
 57.10 15 47 40 4671.36 -8.76 213.96 202.38 48.40 17 5 32 4071.4 -14.01 208.22
 122.90 22 56 23 3342.90 -8.74 112.03 202.36 48.40 23 52 6 2742.9 -13.99 106.29

DIFFERENTIAL CORRECTIONS
 TDE 5.3093 TRA-2.9596 TC3 -.1845 BAU .3734 SGT 3142.7 SGR 1508.3 SG3 72.6 ST 2545.8 SR 938.2 SS 813.1
 RDE -1.8427 RRA 1.9541 RC3 .0241 FAU .01245 RRT -.9455 RRF -.8921 RTF .9903 CRT -.9831 CRS .9724 CST -.9987
 FDE 1.5232 FRA -1.6475 FC3 -.0718 BSP 10125 SGB 3485.9 R23 -.1948 R13 -.9804 LSA 2827.3 MSA 171.1 SSA .8
 BDE 5.6200 BRA 3.5465 BC3 .1861 FSP -233 SG1 3457.2 SG2 446.4 THA 155.15 EL1 2708.4 EL2 161.3 ALF 160.01

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 128.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.866 GAL -7.82 AZL 78.08 HCA 185.67 SMA 129.19 ECC .19358 INC11.9209 V1 30.276
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.577 GAP 6.53 AZP 101.86 TAL 216.82 TAP 42.49 RCA 104.18 APO 154.20 V2 34.826
 RC 129.747 GL 49.17 GP -50.58 ZAL 119.33 ZAP 124.57 ETS 299.21 ZAE 111.49 ETE 209.46 ZAC 72.76 ETC 124.65 CLP-153.30

PLANETOCENTRIC CONIC
 C3 56.801 VHL 7.537 OLA 30.15 RAL 300.69 RAD 6569.0 VEL 13.348 PTH 2.44 VMP 7.291 CPA -69.98 RAP 332.21 ECC 1.9348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.20 17 49 7 4077.46 -13.38 170.15 186.53 62.73 18 57 4 3477.5 -16.93 163.14
 100.80 20 43 45 3514.57 -13.37 128.72 186.52 62.73 21 42 20 2914.6 -16.92 121.71
 79.20 17 49 7 4077.46 -13.38 170.15 186.53 62.73 18 57 4 3477.5 -16.93 163.14
 100.80 20 43 45 3514.57 -13.37 128.72 186.52 62.73 21 42 20 2914.6 -16.92 121.71
 110.00 23 50 36 2928.74 -27.06 90.95 193.15 68.27 24 39 24 2328.7 -29.76 82.81
 110.00 19 41 27 3711.28 -.44 135.80 178.81 55.82 20 43 18 3111.3 -4.92 129.58

DIFFERENTIAL CORRECTIONS
 TDE 2.7940 TRA-2.7908 TC3 -.9765 BAU .7460 SGT 3563.4 SGR 351.9 SG3 137.5 ST 2248.4 SR 240.8 SS 734.6
 RDE .3058 RRA .2373 RC3 -.1075 FAU .03864 RRT .1758 RRF .4916 RTF .9425 CRT .8273 CRS -.9085 CST -.9864
 FDE 1.5119 FRA -1.7402 FC3 -.5890 BSP 11285 SGB 3580.8 R23 .3295 R13 .9430 LSA 2371.2 MSA 174.8 SSA 1.3
 BDE 2.8107 BRA 2.8009 BC3 .9824 FSP -470 SG1 3564.0 SG2 346.4 THA 1.00 EL1 2257.3 EL2 134.7 ALF 5.08

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.802 GAL -7.54 AZL 81.20 HCA 188.81 SMA 128.74 ECC .19316 INC 8.8018 V1 30.276
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.523 GAP 6.73 AZP 98.70 TAL 215.25 TAP 44.07 RCA 103.88 APO 153.61 V2 34.819
 RC 132.074 GL 42.06 GP -36.84 ZAL 124.33 ZAP 134.98 ETS 308.79 ZAE 120.20 ETE 206.75 ZAC 64.75 ETC 133.39 CLP-152.03

PLANETOCENTRIC CONIC
 C3 39.625 VHL 6.295 OLA 23.17 RAL 302.37 RAD 6568.5 VEL 12.688 PTH 2.31 VMP 6.045 CPA -56.27 RAP 324.77 ECC 1.6521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 52 19 3207.45 -25.99 111.27 184.97 78.34 22 45 47 2607.5 -27.34 102.86
 90.00 16 53 58 4204.56 .19 172.23 175.32 61.68 18 4 2 3604.6 -3.60 165.60
 100.00 23 31 30 2887.65 -28.19 88.22 185.46 79.61 24 19 38 2287.7 -29.33 79.60
 100.00 17 57 28 3999.59 2.14 156.09 174.23 60.18 19 4 7 3399.6 -1.84 149.56
 110.00 1 19 49 2561.09 -33.48 64.38 186.42 82.67 2 2 30 1961.1 -34.13 55.19
 110.00 18 29 34 3898.92 6.70 145.63 171.40 56.40 19 34 33 3298.9 2.24 139.39

DIFFERENTIAL CORRECTIONS
 TDE 2.0277 TRA-2.4962 TC3 -1.5362 BAU .8173 SGT 3640.8 SGR 320.2 SG3 182.4 ST 1999.9 SR 245.0 SS 707.7
 RDE .2668 RRA .1092 RC3 -.1417 FAU .05331 RRT .4513 RRF .7520 RTF .9218 CRT .8704 CRS -.9573 CST -.9756
 FDE 1.4689 FRA -1.7286 FC3 -1.1648 BSP 11478 SGB 3654.8 R23 .3736 R13 .9230 LSA 2118.0 MSA 186.4 SSA 2.4
 BDE 2.0452 BRA 2.4986 BC3 1.5427 FSP -617 SG1 3643.7 SG2 285.5 THA 2.29 EL1 2001.3 EL2 119.9 ALF 6.14

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.739 GAL -7.26 AZL 82.68 HCA 191.97 SMA 128.31 ECC .19287 INC 7.3170 V1 30.276
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.470 GAP 6.93 AZP 97.16 TAL 213.68 TAP 45.65 RCA 103.56 APO 153.05 V2 34.812
 RC 134.395 GL 37.73 GP -28.29 ZAL 126.51 ZAP 141.40 ETS 315.27 ZAE 124.54 ETE 202.55 ZAC 60.79 ETC 139.30 CLP-152.57

PLANETOCENTRIC CONIC
 C3 32.793 VHL 5.727 OLA 19.16 RAL 304.20 RAD 6568.3 VEL 12.416 PTH 2.24 VMP 5.640 CPA -47.49 RAP 323.20 ECC 1.5397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 49 16 2979.42 -28.09 94.93 181.97 86.25 23 38 55 2379.4 -28.31 86.28
 90.00 16 11 38 4337.01 4.45 179.64 172.66 62.01 17 23 55 3737.0 .67 172.99
 100.00 0 26 22 2678.96 -29.80 72.94 182.07 87.48 1 11 1 2079.0 -29.83 64.13
 100.00 17 21 9 4112.71 5.95 162.32 171.84 60.65 18 29 42 3512.7 1.99 155.77
 110.00 2 0 14 2385.33 -34.18 50.72 182.15 90.71 2 39 59 1785.3 -33.70 41.51
 110.00 18 3 47 3979.10 9.70 149.91 169.55 57.06 19 10 6 3379.1 5.29 143.59

DIFFERENTIAL CORRECTIONS
 TDE 1.6910 TRA-2.3289 TC3 -1.9437 BAU .8536 SGT 3728.7 SGR 263.2 SG3 204.8 ST 1847.9 SR 210.9 SS 675.5
 RDE .2089 RRA .0879 RC3 -.1137 FAU .05972 RRT .4216 RRF .7317 RTF .9109 CRT .8550 CRS -.9598 CST -.9661
 FDE 1.3687 FRA -1.6563 FC3 -1.5766 BSP 11672 SGB 3738.0 R23 .3816 R13 .9117 LSA 1969.2 MSA 194.2 SSA 3.7
 BDE 1.7039 BRA 2.3305 BC3 1.9470 FSP -683 SG1 3730.4 SG2 238.6 THA 1.71 EL1 1856.7 EL2 108.9 ALF 5.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 400.245

RL 147.15 LAL .00 LOL 90.96 VL 27.676 GAL -6.97 AZL 83.55 MCA 195.13 SMA 127.87 ECC .19269 INC 6.4458 V1 30.276
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.418 GAP 7.13 AZP 96.22 TAL 212.08 TAP 47.21 RCA 103.23 APO 152.51 V2 34.806
 RC 136.709 GL 34.92 GP -22.68 ZAL 127.26 ZAP 145.68 ETS 320.16 ZAE 126.82 ETE 198.93 ZAC 59.08 ETC 143.79 CLP-153.53

PLANETOCENTRIC CONIC

C3 29.022 VHL 5.387 DLA 16.74 RAL 306.01 RAD 6568.2 VEL 12.264 PTH 2.21 VHP 5.499 DPA -41.53 RAP 323.28 ECC 1.4776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 21 19 2854.80 -28.31 85.83 180.37 90.81 24 8 53 2254.8 -27.89 77.19
 90.00 15 54 2 4400.27 6.46 183.20 172.07 62.37 17 7 22 3800.3 2.71 176.53
 100.00 0 56 6 2561.82 -29.83 64.23 180.33 92.06 1 38 47 1961.8 -29.22 55.48
 100.00 17 5 52 4168.47 7.80 165.43 171.35 61.05 18 15 21 3568.5 3.88 158.84
 110.00 2 25 20 2282.61 -33.80 42.72 180.02 95.43 3 3 23 1682.6 -32.68 33.67
 110.00 17 53 7 4020.45 11.22 152.14 169.28 57.50 19 0 7 3420.5 6.85 145.77

DIFFERENTIAL CORRECTIONS

TDE 1.5043 TRA-2.2173 TC3-2.2781 BAU .8843
 RDE .1759 RRA .0798 RC3 -.0717 FAU .06203
 FDE 1.2636 FRA -.5719 FC3-1.8505 BSP 12023
 BDE 1.5146 BRA 2.2188 BC3 2.2793 FSP -715

MID-COURSE EXECUTION ACCURACY

SGT 3827.4 SGR 220.9 SG3 214.9
 RRT .3200 RRF .6353 RTF .9044
 SGB 3833.8 R23 .3642 R13 .9047
 SG1 3828.1 SG2 209.3 TMA 1.06

ORBIT DETERMINATION ACCURACY

ST 1763.8 SR 189.0 SS 645.5
 CRT .8396 CRS -.9600 CST -.9578
 LSA 1877.1 MSA 200.0 SSA 5.0
 EL1 1771.0 EL2 102.2 ALF 5.16

LAUNCH DATE DEC 23 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 406.085

RL 147.15 LAL .00 LOL 90.96 VL 27.613 GAL -6.68 AZL 84.13 MCA 198.29 SMA 127.45 ECC .19262 INC 5.8702 V1 30.276
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.367 GAP 7.32 AZP 95.58 TAL 210.46 TAP 48.75 RCA 102.90 APO 152.00 V2 34.801
 RC 139.015 GL 33.00 GP -18.79 ZAL 127.19 ZAP 148.79 ETS 323.93 ZAE 128.07 ETE 196.07 ZAC 58.64 ETC 147.32 CLP-154.60

PLANETOCENTRIC CONIC

C3 26.524 VHL 5.150 DLA 15.26 RAL 307.81 RAD 6568.1 VEL 12.161 PTH 2.18 VHP 5.465 DPA -37.22 RAP 324.08 ECC 1.4365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 42 34 2777.97 -28.10 80.22 179.77 93.61 24 28 52 2178.0 -27.31 71.64
 90.00 15 47 8 4432.26 7.46 185.01 172.29 62.61 17 1 0 3832.3 3.74 178.32
 100.00 1 16 10 2488.82 -29.53 58.83 179.65 94.88 1 57 39 1888.8 -28.54 50.17
 100.00 17 0 10 4196.65 8.72 167.01 171.61 61.30 18 10 6 3596.6 4.82 160.39
 110.00 2 42 57 2217.29 -33.27 37.70 179.14 98.36 3 19 54 1617.3 -31.75 28.80
 110.00 17 49 52 4040.94 11.97 153.26 169.67 57.74 18 57 13 3440.9 7.62 146.86

DIFFERENTIAL CORRECTIONS

TDE 1.3933 TRA-2.1264 TC3-2.5699 BAU .9113
 RDE .1592 RRA .0732 RC3 -.0296 FAU .06221
 FDE 1.1733 FRA -.4858 FC3-2.0307 BSP 12374
 BDE 1.4024 BRA 2.1276 BC3 2.5701 FSP -727

MID-COURSE EXECUTION ACCURACY

SGT 3927.1 SGR 198.6 SG3 218.4
 RRT .1902 RRF .4934 RTF .8997
 SGB 3932.1 R23 .3279 R13 .8999
 SG1 3927.3 SG2 194.9 TMA .55

ORBIT DETERMINATION ACCURACY

ST 1717.6 SR 178.9 SS 622.1
 CRT .8330 CRS -.9629 CST -.9509
 LSA 1824.1 MSA 204.4 SSA 6.3
 EL1 1724.1 EL2 98.6 ALF 4.98

LAUNCH DATE DEC 23 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 411.915

RL 147.15 LAL .00 LOL 90.96 VL 27.551 GAL -6.38 AZL 84.54 MCA 201.45 SMA 127.03 ECC .19265 INC 5.4595 V1 30.276
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.316 GAP 7.52 AZP 95.08 TAL 208.82 TAP 50.27 RCA 102.56 APO 151.50 V2 34.797
 RC 141.312 GL 31.63 GP -15.96 ZAL 126.59 ZAP 151.20 ETS 326.87 ZAE 128.80 ETE 193.82 ZAC 58.96 ETC 150.16 CLP-155.71

PLANETOCENTRIC CONIC

C3 24.676 VHL 4.967 DLA 14.36 RAL 309.63 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 5.483 DPA -33.92 RAP 325.27 ECC 1.4061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 1 53 2728.39 -27.84 76.62 179.81 95.40 0 47 21 2128.4 -26.80 68.10
 90.00 15 46 16 4446.16 7.90 185.80 172.92 62.72 17 0 22 3846.2 4.18 179.09
 100.00 1 30 53 2441.34 -29.20 55.34 179.65 96.69 2 11 34 1841.3 -27.97 46.75
 100.00 16 59 57 4208.45 9.11 167.68 172.27 61.41 18 10 5 3608.4 5.22 161.05
 110.00 2 56 17 2174.11 -32.79 34.42 179.03 100.24 3 32 32 1574.1 -31.03 25.64
 110.00 17 51 2 4048.44 12.24 153.67 170.41 57.83 18 58 30 3448.4 7.90 147.26

DIFFERENTIAL CORRECTIONS

TDE 1.3271 TRA-2.0423 TC3-2.8355 BAU .9354
 RDE .1519 RRA .0660 RC3 .0091 FAU .06122
 FDE 1.1001 FRA -.4012 FC3-2.1481 BSP 12682
 BDE 1.3358 BRA 2.0434 BC3 2.8355 FSP -725

MID-COURSE EXECUTION ACCURACY

SGT 4023.9 SGR 192.3 SG3 218.4
 RRT .0668 RRF .3406 RTF .8960
 SGB 4028.5 R23 .2812 R13 .8960
 SG1 4023.9 SG2 191.8 TMA .18

ORBIT DETERMINATION ACCURACY

ST 1637.8 SR 176.8 SS 605.6
 CRT .8362 CRS -.9685 CST -.9454
 LSA 1799.2 MSA 207.8 SSA 7.6
 EL1 1704.2 EL2 96.6 ALF 4.99

LAUNCH DATE DEC 23 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 417.735

RL 147.15 LAL .00 LOL 90.96 VL 27.489 GAL -6.07 AZL 84.85 MCA 204.61 SMA 126.62 ECC .19280 INC 5.1501 V1 30.276
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.267 GAP 7.71 AZP 94.68 TAL 207.17 TAP 51.78 RCA 102.20 APO 151.03 V2 34.793
 RC 143.598 GL 30.62 GP -13.83 ZAL 125.63 ZAP 153.19 ETS 329.20 ZAE 129.23 ETE 192.05 ZAC 59.77 ETC 152.48 CLP-156.81

PLANETOCENTRIC CONIC

C3 23.208 VHL 4.817 DLA 13.87 RAL 311.49 RAD 6567.9 VEL 12.024 PTH 2.15 VHP 5.528 DPA -31.27 RAP 326.71 ECC 1.3819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 13 37 2696.30 -27.61 74.29 180.31 96.54 0 58 34 2096.3 -26.42 65.83
 90.00 15 49 20 4448.22 7.96 185.92 173.82 62.74 17 3 29 3848.2 4.25 179.21
 100.00 1 42 18 2410.34 -28.93 53.07 180.12 97.86 2 22 28 1810.3 -27.54 44.54
 100.00 17 3 21 4209.41 9.14 167.73 173.19 61.42 18 13 31 3609.4 5.25 161.10
 110.00 3 6 59 2145.37 -32.42 32.26 179.43 101.47 3 42 44 1545.4 -30.50 23.57
 110.00 17 55 10 4047.15 12.19 153.60 171.36 57.82 19 2 37 3447.1 7.86 147.19

DIFFERENTIAL CORRECTIONS

TDE 1.2860 TRA-1.9630 TC3-3.0916 BAU .9593
 RDE .1499 RRA .0577 RC3 .0434 FAU .05978
 FDE 1.0378 FRA -.3236 FC3-2.2302 BSP 13047
 BDE 1.2947 BRA 1.9639 BC3 3.0919 FSP -723

MID-COURSE EXECUTION ACCURACY

SGT 4122.6 SGR 196.3 SG3 216.8
 RRT -.0272 RRF .2073 RTF .8933
 SGB 4127.2 R23 -.2318 R13 -.8933
 SG1 4122.6 SG2 196.2 TMA 179.93

ORBIT DETERMINATION ACCURACY

ST 1693.5 SR 179.5 SS 593.1
 CRT .8461 CRS -.9754 CST -.9413
 LSA 1791.0 MSA 210.0 SSA 8.9
 EL1 1700.3 EL2 95.3 ALF 5.14

LAUNCH DATE DEC 23 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.427 GAL -5.75 AZL 85.09 MCA 207.77 SMA 126.21 ECC .19306 INC 4.9073 V1 30.276
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.219 GAP 7.90 A7P 94.34 TAL 205.49 TAP 53.26 RCA 101.84 APO 150.58 V2 34.790
 RC 145.874 GL 29.86 GP -12.18 ZAL 124.37 ZAP 154.90 ETS 331.06 ZAE 129.50 ETE 190.63 ZAC 60.92 ETC 154.43 CLP-157.88

PLANETOCENTRIC CONIC
 C3 21.985 VHL 4.689 DLA 13.68 RAL 313.41 RAD 6567.9 VEL 11.973 PTH 2.13 VHP 5.590 DPA -29.04 RAP 328.32 ECC 1.3618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 22 57 2676.53 -27.45 72.87 181.14 97.24 1 7 34 2076.5 -26.16 64.44
 90.00 15 55 19 4441.68 7.76 185.55 174.92 62.68 17 9 21 3841.7 4.04 178.84
 100.00 1 51 30 2390.98 -28.75 51.66 180.93 98.58 2 31 21 1791.0 -27.26 43.18
 100.00 17 9 27 4202.46 8.91 167.34 174.30 61.35 18 19 30 3602.5 5.02 160.71
 110.00 3 15 54 2126.88 -32.16 30.88 180.20 102.25 3 51 21 1526.9 -30.14 22.25
 110.00 18 1 32 4039.33 11.91 153.17 172.50 57.72 19 8 52 3439.3 7.56 146.77

DIFFERENTIAL CORRECTIONS
 TDE 1.3140 TRA-1.8329 TC3-3.2522 BAU .9562 SGT 4146.5 SGR 212.6 SG3 208.8 ST 1750.7 SR 188.9 SS 617.3
 RDE .1538 RRA .0520 RC3 .0800 FAU .05521 RRT -.0884 RRF .1381 RTF .8796 CRT .8705 CRS -.9855 CST -.9392
 FDE 1.0431 FRA -.1891 FC3-2.1740 BSP 12219 SGB 4152.0 R23 -.2169 R13 -.8796 LSA 1853.0 MSA 218.6 SSA 9.6
 BDE 1.3230 BRA 1.8337 BC3 3.2532 FSP -.594 SG1 4146.6 SG2 211.8 THA 179.74 EL1 1758.4 EL2 92.6 ALF 5.38

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.367 GAL -5.42 AZL 85.29 MCA 210.93 SMA 125.81 ECC .19347 INC 4.7106 V1 30.276
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.172 GAP 8.09 A7P 94.04 TAL 203.80 TAP 54.73 RCA 101.47 APO 150.15 V2 34.787
 RC 148.138 GL 29.27 GP -10.86 ZAL 122.90 ZAP 156.41 ETS 332.55 ZAE 129.66 ETE 189.48 ZAC 62.30 ETC 156.07 CLP-158.93

PLANETOCENTRIC CONIC
 C3 20.945 VHL 4.577 DLA 13.71 RAL 315.39 RAD 6567.9 VEL 11.930 PTH 2.12 VHP 5.664 DPA -27.12 RAP 330.04 ECC 1.3447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 30 39 2665.70 -27.36 72.09 182.24 97.62 1 15 4 2065.7 -26.02 63.68
 90.00 16 3 26 4429.17 7.37 184.83 176.19 62.58 17 17 15 3829.2 3.64 178.14
 100.00 1 59 12 2380.10 -28.63 50.87 182.03 98.98 2 38 52 1780.1 -27.09 42.41
 100.00 17 17 34 4190.00 8.51 166.64 175.57 61.24 18 27 24 3590.0 4.60 160.03
 110.00 3 23 39 2115.89 -32.00 30.06 181.28 102.71 3 58 54 1515.9 -29.92 21.47
 110.00 18 9 36 4026.98 11.46 152.50 173.80 57.57 19 16 43 3427.0 7.10 146.12

DIFFERENTIAL CORRECTIONS
 TDE 1.2709 TRA-1.7842 TC3-3.5597 BAU .9972 SGT 4293.5 SGR 221.3 SG3 209.4 ST 1736.9 SR 194.3 SS 589.2
 RDE .1547 RRA .0399 RC3 .1026 FAU .05537 RRT -.1223 RRF .0463 RTF .8863 CRT .8807 CRS -.9890 CST -.9374
 FDE .9590 FRA -.1645 FC3-2.2885 BSP 13420 SGB 4299.2 R23 -.1562 R13 -.8863 LSA 1832.0 MSA 213.1 SSA 11.2
 BDE 1.2803 BRA 1.7846 BC3 3.5612 FSP -.676 SG1 4293.6 SG2 219.6 THA 179.64 EL1 1745.3 EL2 91.6 ALF 5.64

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.306 GAL -5.08 AZL 85.45 MCA 214.09 SMA 125.42 ECC .19399 INC 4.5471 V1 30.276
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.126 GAP 8.28 A7P 93.77 TAL 202.09 TAP 56.18 RCA 101.09 APO 149.75 V2 34.786
 RC 150.390 GL 28.80 GP -9.79 ZAL 121.23 ZAP 157.78 ETS 333.76 ZAE 129.78 ETE 188.53 ZAC 63.85 ETC 157.48 CLP-159.95

PLANETOCENTRIC CONIC
 C3 20.039 VHL 4.476 DLA 13.91 RAL 317.45 RAD 6567.8 VEL 11.892 PTH 2.11 VHP 5.746 DPA -25.40 RAP 331.85 ECC 1.3298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 6 2662.17 -27.32 71.84 183.59 97.74 1 21 28 2062.2 -25.97 63.43
 90.00 16 13 27 4411.55 6.81 183.84 177.63 62.45 17 26 59 3811.6 3.07 177.16
 100.00 2 5 48 2376.12 -28.59 50.59 183.38 99.12 2 45 24 1776.1 -27.03 42.13
 100.00 17 27 27 4172.83 7.94 165.68 177.02 61.09 18 37 0 3572.8 4.02 159.08
 110.00 3 30 32 2110.99 -31.93 29.70 182.63 102.91 4 5 43 1511.0 -29.82 21.12
 110.00 18 19 12 4010.73 10.86 151.62 175.26 57.39 19 26 3 3410.7 6.49 145.26

DIFFERENTIAL CORRECTIONS
 TDE 1.2747 TRA-1.6955 TC3-3.8021 BAU 1.0191 SGT 4387.1 SGR 235.8 SG3 206.0 ST 1766.9 SR 203.4 SS 587.1
 RDE .1587 RRA .0298 RC3 .1265 FAU .05344 RRT -.1374 RRF .0007 RTF .8851 CRT .8987 CRS -.9934 CST -.9373
 FDE .9222 FRA -.1000 FC3-2.3090 BSP 13774 SGB 4393.5 R23 -.1237 R13 -.8850 LSA 1861.0 MSA 211.7 SSA 12.4
 BDE 1.2845 BRA 1.6957 BC3 3.8042 FSP -.669 SG1 4387.3 SG2 233.6 THA 179.58 EL1 1776.4 EL2 88.7 ALF 5.92

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.247 GAL -4.74 AZL 85.59 MCA 217.25 SMA 125.04 ECC .19465 INC 4.4083 V1 30.276
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.081 GAP 8.47 A7P 93.51 TAL 200.37 TAP 57.62 RCA 100.70 APO 149.37 V2 34.785
 RC 152.629 GL 28.41 GP -8.90 ZAL 119.37 ZAP 159.04 ETS 334.73 ZAE 129.86 ETE 187.75 ZAC 65.54 ETC 158.71 CLP-160.95

PLANETOCENTRIC CONIC
 C3 19.244 VHL 4.387 DLA 14.26 RAL 319.61 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 5.834 DPA -23.84 RAP 333.73 ECC 1.3167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 42 39 2664.63 -27.35 72.02 185.17 97.65 1 27 3 2064.6 -26.00 63.61
 90.00 16 25 8 4385.90 6.13 182.61 179.24 62.30 17 38 18 3789.9 2.37 175.95
 100.00 2 11 35 2377.81 -28.61 50.71 184.96 99.06 2 51 13 1777.8 -27.06 42.25
 100.00 17 38 53 4151.95 7.25 164.51 178.63 60.92 18 48 5 3551.9 3.32 157.93
 110.00 3 36 50 2111.08 -31.93 29.71 184.21 102.91 4 12 1 1511.1 -29.82 21.13
 110.00 18 30 8 3991.44 10.15 150.57 176.87 57.18 19 36 39 3391.4 5.76 144.24

DIFFERENTIAL CORRECTIONS
 TDE 1.2907 TRA-1.5982 TC3-4.0354 BAU 1.0389 SGT 4473.9 SGR 251.1 SG3 202.1 ST 1808.4 SR 213.5 SS 588.9
 RDE .1634 RRA .0196 RC3 .1479 FAU .05134 RRT -.1393 RRF -.0260 RTF .8836 CRT .9170 CRS -.9963 CST -.9383
 FDE .8932 FRA -.0358 FC3-2.3097 BSP 14067 SGB 4480.9 R23 -.0984 R13 -.8835 LSA 1902.3 MSA 209.5 SSA 13.6
 BDE 1.3010 BRA 1.5983 BC3 4.0381 FSP -.656 SG1 4474.0 SG2 248.6 THA 179.55 EL1 1819.0 EL2 84.7 ALF 6.19

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.188 GAL -4.38 AZL 85.71 MCA 220.41 SMA 124.66 ECC .19545 INC 4.2883 V1 30.276
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.038 GAP 8.66 A7P 93.27 TAL 198.63 TAP 59.04 RCA 100.29 APO 149.02 V2 34.784
 RC 154.855 GL 28.08 GP -8.16 ZAL 117.35 ZAP 160.21 ETS 335.50 ZAE 129.92 ETE 187.09 ZAC 67.34 ETC 159.79 CLP-161.91

PLANETOCENTRIC CONIC
 C3 18.547 VHL 4.307 DLA 14.72 RAL 321.87 RAD 6567.8 VEL 11.829 PTH 2.10 VHP 5.927 DPA -22.39 RAP 335.66 ECC 1.3052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 30 2672.26 -27.41 72.56 186.96 97.39 1 32 2 2072.3 -26.11 64.14
 90.00 16 38 18 4364.89 5.34 181.20 181.03 62.15 17 51 3 3764.9 1.57 174.55
 100.00 2 16 46 2384.38 -28.68 51.18 186.76 98.82 2 56 30 1784.4 -27.16 42.71
 100.00 17 51 43 4128.00 6.46 163.17 180.42 60.75 19 0 31 3528.0 2.51 156.61
 110.00 3 42 42 2115.47 -32.00 30.03 186.03 102.73 4 17 58 1515.5 -29.91 21.44
 110.00 18 42 16 3969.68 9.35 149.40 178.65 56.97 19 48 26 3369.7 4.93 143.09

DIFFERENTIAL CORRECTIONS
 TDE 1.3142 TRA-1.4947 TC3-4.2659 BAU 1.0586 SGT 4559.1 SGR 266.3 SG3 198.1 ST 1857.3 SR 224.2 S5 592.1
 RDE .1684 RRA .0093 RC3 .1665 FAU .04927 RRT -.1328 RRF -.0407 RTF .8826 CRT .9343 CRS -.9975 CST -.9402
 FDE .8679 FRA .0249 FC3-2.2999 BSP 14366 SGB 4566.8 R23 -.0776 R13 -.8825 LSA 1951.4 MSA 206.0 SSA 14.7
 BDE 1.3250 BRA 1.4947 BC3 4.2692 FSP -645 SG1 4559.2 SG2 264.0 THA 179.55 EL1 1869.1 EL2 79.4 ALF 6.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.129 GAL -4.02 AZL 85.82 MCA 223.57 SMA 124.29 ECC .19641 INC 4.1829 V1 30.276
 RP 108.94 LAP -2.88 LOP 314.46 VP 36.995 GAP 8.85 A7P 93.03 TAL 196.88 TAP 60.45 RCA 99.88 APO 148.70 V2 34.785
 RC 157.067 GL 27.78 GP -7.53 ZAL 115.18 ZAP 161.32 ETS 336.10 ZAE 129.98 ETE 186.54 ZAC 69.22 ETC 160.74 CLP-162.85

PLANETOCENTRIC CONIC
 C3 17.938 VHL 4.235 DLA 15.28 RAL 324.24 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 6.026 DPA -21.01 RAP 337.63 ECC 1.2952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 48 2684.50 -27.52 73.44 188.98 96.96 1 36 33 2084.5 -26.27 65.00
 90.00 16 52 53 4337.04 4.45 179.64 183.00 62.01 18 5 10 3737.0 .67 173.00
 100.00 2 21 29 2395.29 -28.79 51.98 188.78 98.42 3 1 24 1795.3 -27.32 43.48
 100.00 18 5 53 4101.48 5.57 161.70 182.38 60.58 19 14 15 3501.5 1.61 155.15
 110.00 3 48 18 2123.64 -32.12 30.64 188.07 102.39 4 23 42 1523.6 -30.08 22.02
 110.00 18 55 34 3945.89 8.46 148.13 180.61 56.76 20 1 19 3345.9 4.03 141.84

DIFFERENTIAL CORRECTIONS
 TDE 1.3460 TRA-1.3838 TC3-4.4893 BAU 1.0775 SGT 4641.4 SGR 281.3 SG3 194.2 ST 1915.1 SR 235.1 S5 597.4
 RDE .1738 RRA -.0010 RC3 .1824 FAU .04721 RRT -.1201 RRF -.0461 RTF .8819 CRT .9500 CRS -.9970 CST -.9429
 FDE .8468 FRA .0830 FC3-2.2784 BSP 14646 SGB 4649.9 R23 -.0607 R13 -.8819 LSA 2009.7 MSA 201.5 SSA 15.8
 BDE 1.3572 BRA 1.3838 BC3 4.4931 FSP -632 SG1 4641.5 SG2 279.2 THA 179.58 EL1 1928.1 EL2 72.9 ALF 6.66

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.072 GAL -3.64 AZL 85.91 MCA 226.73 SMA 123.93 ECC .19752 INC 4.0891 V1 30.276
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.954 GAP 9.05 A7P 92.80 TAL 195.11 TAP 61.85 RCA 99.45 APO 148.40 V2 34.786
 RC 159.265 GL 27.49 GP -7.00 ZAL 112.85 ZAP 162.36 ETS 336.55 ZAE 130.03 ETE 186.07 ZAC 71.17 ETC 161.59 CLP-163.77

PLANETOCENTRIC CONIC
 C3 17.413 VHL 4.173 DLA 15.93 RAL 326.72 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 6.129 DPA -19.70 RAP 339.64 ECC 1.2866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 41 2700.98 -27.65 74.63 191.20 96.38 1 40 42 2101.0 -26.48 66.16
 90.00 17 8 48 4306.76 3.48 177.94 185.17 61.88 18 20 35 3706.8 -.31 171.31
 100.00 2 25 51 2410.16 -28.93 53.06 191.02 97.87 3 6 2 1810.2 -27.54 44.53
 100.00 18 21 19 4072.81 4.61 160.12 184.55 60.43 19 29 12 3472.8 .64 153.58
 110.00 3 53 43 2135.26 -32.28 31.50 190.34 101.90 4 29 18 1535.3 -30.31 22.85
 110.00 19 9 57 3920.48 7.51 146.77 182.76 56.55 20 15 17 3320.5 3.06 140.51

DIFFERENTIAL CORRECTIONS
 TDE 1.3867 TRA-1.2620 TC3-4.6979 BAU 1.0946 SGT 4716.5 SGR 295.9 SG3 190.0 ST 1982.8 SR 246.2 S5 605.1
 RDE .1793 RRA -.0111 RC3 .1958 FAU .04506 RRT -.1029 RRF -.0434 RTF .8810 CRT .9640 CRS -.9950 CST -.9462
 FDE .8301 FRA .1414 FC3-2.2403 BSP 14869 SGB 4725.8 R23 -.0479 R13 -.8810 LSA 2078.3 MSA 196.3 SSA 16.8
 BDE 1.3983 BRA 1.2621 BC3 4.7020 FSP -616 SG1 4716.6 SG2 294.3 THA 179.63 EL1 1997.0 EL2 65.0 ALF 6.83

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 27.015 GAL -3.25 AZL 86.00 MCA 229.90 SMA 123.57 ECC .19880 INC 4.0045 V1 30.276
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.914 GAP 9.25 A7P 92.58 TAL 193.33 TAP 63.23 RCA 99.00 APO 148.14 V2 34.788
 RC 161.449 GL 27.21 GP -6.53 ZAL 110.38 ZAP 163.36 ETS 336.86 ZAE 130.09 ETE 185.66 ZAC 73.18 ETC 162.35 CLP-164.66

PLANETOCENTRIC CONIC
 C3 16.970 VHL 4.120 DLA 16.64 RAL 329.32 RAD 6567.7 VEL 11.762 PTH 2.08 VHP 6.237 DPA -18.44 RAP 341.67 ECC 1.2793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 13 2721.39 -27.79 76.11 193.65 95.65 1 44 34 2121.4 -26.72 67.61
 90.00 17 26 2 4274.45 2.44 176.13 187.55 61.78 18 37 16 3674.5 -1.35 169.51
 100.00 2 29 59 2428.69 -29.10 54.41 193.49 97.17 3 10 27 1828.7 -27.80 45.85
 100.00 18 37 57 4042.38 3.59 158.44 186.91 60.30 19 45 19 3442.4 -.39 151.91
 110.00 3 59 3 2150.02 -32.49 32.61 192.85 101.28 4 34 53 1550.0 -30.59 23.90
 110.00 19 25 22 3893.81 6.51 145.36 185.10 56.37 20 30 16 3293.8 2.05 139.12

DIFFERENTIAL CORRECTIONS
 TDE 1.4311 TRA-1.1355 TC3-4.9007 BAU 1.1128 SGT 4793.9 SGR 309.7 SG3 186.1 ST 2054.5 SR 257.4 S5 611.6
 RDE .1849 RRA -.0209 RC3 .2062 FAU .04310 RRT -.0836 RRF -.0384 RTF .8813 CRT .9754 CRS -.9917 CST -.9499
 FDE .8129 FRA .1942 FC3-2.1987 BSP 15148 SGB 4803.9 R23 -.0357 R13 -.8813 LSA 2150.5 MSA 189.9 SSA 17.8
 BDE 1.4430 BRA 1.1356 BC3 4.9050 FSP -606 SG1 4794.0 SG2 308.6 THA 179.69 EL1 2069.8 EL2 56.4 ALF 6.97

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

RL 147.15 LAL .00 LOL 90.96 VL 26.958 GAL -2.86 AZL 86.07 HCA 233.06 SMA 123.22 ECC .20026 INC 3.9274 V1 30.276
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.875 GAP 9.46 AZP 92.36 TAL 191.55 TAP 64.60 RCA 98.54 APO 147.90 V2 34.791
 RC 163.619 GL 26.90 GP -6.13 ZAL 107.78 ZAP 164.31 ETS 337.04 ZAE 130.15 ETE 185.32 ZAC 75.25 ETC 163.03 CLP-165.53

PLANETOCENTRIC CONIC

C3 16.610 VHL 4.076 DLA 17.41 RAL 332.05 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 6.349 DPA -17.21 RAP 343.73 ECC 1.2734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 29 2745.53 -27.94 77.86 196.32 94.78 1 48 15 2145.5 -26.99 69.32
 90.00 17 44 30 4240.44 1.34 174.24 190.14 61.71 18 55 11 3640.4 -2.45 167.61
 100.00 2 33 55 2450.66 -29.27 56.02 196.18 96.34 3 14 46 1850.7 -28.09 147.42
 100.00 18 55 45 4010.54 2.51 156.69 189.49 60.20 20 2 36 3410.5 -1.47 150.17
 110.00 4 4 21 2167.72 -32.71 33.94 195.58 100.52 4 40 29 1567.7 -30.92 25.18
 110.00 19 41 48 3866.25 5.47 143.91 187.65 56.20 20 46 15 3266.2 .99 137.68

DIFFERENTIAL CORRECTIONS

TDE 1.4811 TRA -.9996 TC3-5.0855 BAU 1.1303
 RDE .1908 RRA -.0304 RC3 .2139 FAU .04114
 FDE .7976 FRA .2457 FC3-2.1445 BSP 15421
 BDE 1.4933 BRA 1.0001 BC3 5.0900 FSP -595

MID-COURSE EXECUTION ACCURACY

SGT 4867.0 SGR 323.0 SG3 182.1
 RRT -.0625 RRF -.0296 RTF .8818
 SGB 4877.7 R23 -.0258 R13 -.8818
 SGI 4867.0 SG2 322.4 THA 179.76

ORBIT DETERMINATION ACCURACY

ST 2132.1 SR 268.6 SS 618.7
 CRT .9844 CRS -.9871 CST -.9537
 LSA 2228.7 MSA 183.1 SSA 18.8
 EL1 2148.5 EL2 47.0 ALF 7.07

LAUNCH DATE DEC 23 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

RL 147.15 LAL .00 LOL 90.96 VL 26.902 GAL -2.44 AZL 86.14 HCA 236.22 SMA 122.88 ECC .20191 INC 3.8565 V1 30.276
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.838 GAP 9.67 AZP 92.15 TAL 189.75 TAP 65.97 RCA 98.07 APO 147.69 V2 34.794
 RC 165.775 GL 26.57 GP -5.78 ZAL 105.04 ZAP 165.23 ETS 337.10 ZAE 130.21 ETE 185.02 ZAC 77.35 ETC 163.62 CLP-166.38

PLANETOCENTRIC CONIC

C3 16.333 VHL 4.041 DLA 18.23 RAL 334.90 RAD 6567.7 VEL 11.735 PTH 2.07 VHP 6.467 DPA -16.00 RAP 345.80 ECC 1.2688
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 33 2773.22 -28.08 79.87 199.22 93.78 1 51 46 2173.2 -27.26 71.30
 90.00 18 4 12 4205.07 .20 172.26 192.95 61.68 19 14 17 3605.1 -3.58 165.63
 100.00 2 37 45 2475.87 -29.45 57.87 199.10 95.38 3 19 1 1875.9 -28.39 49.23
 100.00 19 14 41 3977.65 1.40 154.88 192.29 60.14 20 20 58 3377.7 -2.59 148.36
 110.00 4 9 44 2188.13 -32.96 35.48 198.56 99.64 4 46 12 1588.1 -31.28 26.66
 110.00 19 59 12 3838.16 4.40 142.43 190.42 56.07 21 3 10 3238.2 -.08 136.22

DIFFERENTIAL CORRECTIONS

TDE 1.5370 TRA -.8545 TC3-5.2487 BAU 1.1471
 RDE .1970 RRA -.0393 RC3 .2185 FAU .03923
 FDE .7843 FRA .2960 FC3-2.0792 BSP 15667
 BDE 1.5496 BRA .8554 BC3 5.2533 FSP -583

MID-COURSE EXECUTION ACCURACY

SGT 4937.0 SGR 335.6 SG3 178.2
 RRT -.0398 RRF -.0175 RTF .8826
 SGB 4948.4 R23 -.0178 R13 -.8826
 SGI 4937.0 SG2 335.4 THA 179.84

ORBIT DETERMINATION ACCURACY

ST 2216.0 SR 279.9 SS 626.4
 CRT .9909 CRS -.9815 CST -.9576
 LSA 2313.0 MSA 176.1 SSA 19.8
 EL1 2233.3 EL2 37.3 ALF 7.14

LAUNCH DATE DEC 23 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

RL 147.15 LAL .00 LOL 90.96 VL 26.847 GAL -2.02 AZL 86.21 HCA 239.38 SMA 122.54 ECC .20376 INC 3.7906 V1 30.276
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.801 GAP 9.89 AZP 91.93 TAL 187.94 TAP 67.33 RCA 97.57 APO 147.51 V2 34.798
 RC 167.915 GL 26.20 GP -5.46 ZAL 102.18 ZAP 166.12 ETS 337.04 ZAE 130.28 ETE 184.76 ZAC 79.50 ETC 164.21 CLP-167.22

PLANETOCENTRIC CONIC

C3 16.144 VHL 4.018 DLA 19.08 RAL 337.88 RAD 6567.6 VEL 11.727 PTH 2.07 VHP 6.591 DPA -14.81 RAP 347.89 ECC 1.2657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 27 2804.28 -28.20 82.14 202.34 92.65 1 55 12 2204.3 -27.54 73.53
 90.00 18 25 4 4168.70 -.97 170.24 196.01 61.70 19 34 33 3568.7 -4.75 163.59
 100.00 2 41 32 2504.12 -29.61 59.96 202.25 94.30 3 23 16 1904.1 -28.70 51.27
 100.00 19 34 40 3944.10 .26 153.04 195.32 60.11 20 40 24 3344.1 -3.72 146.51
 110.00 4 15 13 2211.04 -33.20 37.22 201.77 98.63 4 52 4 1611.0 -31.66 28.34
 110.00 20 17 29 3809.94 3.33 140.95 195.40 55.96 21 20 59 3209.9 -1.16 134.75

DIFFERENTIAL CORRECTIONS

TDE 1.6003 TRA -.6976 TC3-5.3786 BAU 1.1619
 RDE .2037 RRA -.0475 RC3 .2203 FAU .03725
 FDE .7737 FRA .3462 FC3-1.9976 BSP 15860
 BDE 1.6132 BRA .6992 BC3 5.3832 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 4999.8 SGR 347.6 SG3 174.2
 RRT -.0154 RRF -.0017 RTF .8833
 SGB 5011.8 R23 -.0120 R13 -.8833
 SGI 4999.8 SG2 347.6 THA 179.94

ORBIT DETERMINATION ACCURACY

ST 2307.4 SR 291.3 SS 635.1
 CRT .9952 CRS -.9751 CST -.9614
 LSA 2404.8 MSA 169.4 SSA 20.7
 EL1 2325.5 EL2 28.2 ALF 7.16

LAUNCH DATE DEC 23 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

RL 147.15 LAL .00 LOL 90.96 VL 26.793 GAL -1.58 AZL 86.27 HCA 242.55 SMA 122.21 ECC .20583 INC 3.7289 V1 30.276
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.766 GAP 10.11 AZP 91.72 TAL 186.13 TAP 68.67 RCA 97.06 APO 147.37 V2 34.803
 RC 170.040 GL 25.77 GP -5.19 ZAL 99.22 ZAP 166.97 ETS 336.84 ZAE 130.36 ETE 184.54 ZAC 81.68 ETC 164.72 CLP-168.04

PLANETOCENTRIC CONIC

C3 16.048 VHL 4.006 DLA 19.94 RAL 340.98 RAD 6567.6 VEL 11.723 PTH 2.07 VHP 6.720 DPA -13.64 RAP 350.00 ECC 1.2641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 15 2838.53 -28.29 84.64 205.69 91.40 1 58 34 2238.5 -27.79 76.01
 90.00 18 47 2 4131.72 -2.16 168.17 199.29 61.76 19 55 54 3531.7 -5.92 161.51
 100.00 2 45 20 2535.18 -29.75 62.26 205.62 93.09 3 27 35 1935.2 -29.00 53.53
 100.00 19 55 39 3910.31 -.89 151.19 198.58 60.12 21 0 49 3310.3 -4.86 144.65
 110.00 4 20 53 2236.22 -33.44 39.15 205.22 97.52 4 58 9 1636.2 -32.04 30.20
 110.00 20 36 35 3782.03 2.26 139.49 196.62 55.88 21 39 37 3182.0 -2.23 133.29

DIFFERENTIAL CORRECTIONS

TDE 1.6652 TRA -.5334 TC3-5.4834 BAU 1.1774
 RDE .2109 RRA -.0551 RC3 .2189 FAU .03540
 FDE .7625 FRA .3936 FC3-1.9096 BSP 16090
 BDE 1.6785 BRA .5363 BC3 5.4878 FSP -557

MID-COURSE EXECUTION ACCURACY

SGT 5062.8 SGR 358.9 SG3 170.4
 RRT .0088 RRF .0149 RTF .8847
 SGB 5075.5 R23 .0070 R13 .8847
 SGI 5062.8 SG2 358.9 THA .04

ORBIT DETERMINATION ACCURACY

ST 2397.6 SR 302.8 SS 642.3
 CRT .9972 CRS -.9681 CST -.9650
 LSA 2495.2 MSA 162.9 SSA 21.5
 EL1 2416.6 EL2 22.4 ALF 7.18

LAUNCH DATE DEC 23 1965 FLIGHT TIME 166.00 ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC DISTANCE 492.413
 RL 147.15 LAL .00 LOL 90.96 VL 26.740 GAL -1.13 AZL 86.33 HCA 245.71 SMA 121.89 ECC .20812 INC 3.6706 V1 30.276
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.732 GAP 10.35 ATP 91.51 TAL 184.31 TAP 70.02 RCA 96.52 APO 147.26 V2 34.808
 RC 172.148 GL 25.29 GP -4.94 ZAL 96.15 ZAP 167.81 ETS 336.50 ZAE 130.44 ETE 184.35 ZAC 83.89 ETC 165.17 CLP-168.84

PLANETOCENTRIC CONIC
 C3 16.049 VHL 4.006 DLA 20.81 RAL 344.21 RAD 6567.6 VEL 11.723 PTH 2.07 VHP 6.856 OPA -12.48 RAP 352.11 ECC 1.2641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 59 2875.75 -28.32 87.36 209.25 90.04 2 1 55 2275.8 -28.01 78.71
 90.00 19 10 1 4094.55 -3.36 166.09 202.82 61.87 20 18 15 3494.6 -7.10 159.41
 100.00 2 49 11 2568.80 -29.84 64.75 209.23 91.78 3 32 0 1968.8 -29.28 55.99
 100.00 20 17 30 3876.73 -2.02 149.34 202.08 60.17 21 22 7 3276.7 -5.98 142.79
 110.00 4 26 48 2263.41 -33.67 41.24 208.91 96.30 5 4 31 1663.4 -32.43 32.23
 110.00 20 56 23 3754.89 1.23 138.08 200.05 55.84 21 58 58 3154.9 -3.26 131.87

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.7324 TRA -3.592 TC3-5.5518 BAU 1.1921 SGT 5121.4 SGR 369.3 SG3 166.4 ST 2486.8 SR 314.2 SS 646.8
 RDE .2188 RRA -.0618 RC3 .2144 FAU .03360 RRT .0333 RRF .0315 RTF .8866 CRT .9973 CRS -.9603 CST -.9683
 FDE .7497 FRA .4395 FC3-1.8123 BSP 16319 SGB 5134.7 R23 .0018 R13 .8866 LSA 2583.8 MSA 157.1 SSA 22.1
 BDE 1.7462 BRA .3645 BC3 5.5559 FSP -547 SG1 5121.4 SG2 369.1 THA .14 EL1 2506.4 EL2 23.1 ALF 7.18

LAUNCH DATE DEC 23 1965 FLIGHT TIME 168.00 ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC DISTANCE 498.064
 RL 147.15 LAL .00 LOL 90.96 VL 26.687 GAL -.66 AZL 86.38 HCA 248.88 SMA 121.58 ECC .21066 INC 3.6151 V1 30.276
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.700 GAP 10.59 ATP 91.30 TAL 182.48 TAP 71.36 RCA 95.97 APO 147.19 V2 34.814
 RC 174.239 GL 24.75 GP -4.72 ZAL 92.99 ZAP 168.61 ETS 336.02 ZAE 130.53 ETE 184.18 ZAC 86.12 ETC 165.59 CLP-169.63

PLANETOCENTRIC CONIC
 C3 16.157 VHL 4.020 DLA 21.67 RAL 347.54 RAD 6567.6 VEL 11.728 PTH 2.07 VHP 6.998 OPA -11.33 RAP 354.24 ECC 1.2659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 43 2915.71 -28.28 90.28 213.03 88.57 2 5 18 2315.7 -28.18 81.62
 90.00 19 33 53 4057.63 -4.54 164.03 206.58 62.02 20 41 31 3457.6 -8.25 157.31
 100.00 2 53 10 2604.71 -29.89 67.42 213.04 90.38 3 36 34 2004.7 -29.52 58.64
 100.00 20 40 7 3843.86 -3.14 147.54 205.81 60.26 21 44 11 3243.9 -7.07 140.96
 110.00 4 33 1 2292.33 -33.86 43.48 212.82 94.99 5 11 13 1692.3 -32.80 34.40
 110.00 21 16 46 3729.01 .24 136.73 203.70 55.82 22 18 55 3129.0 -4.25 130.52

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.8034 TRA -.1750 TC3-5.5795 BAU 1.2060 SGT 5176.8 SGR 379.1 SG3 162.6 ST 2575.4 SR 325.9 SS 651.9
 RDE .2275 RRA -.0676 RC3 .2072 FAU .03182 RRT .0584 RRF .0513 RTF .8887 CRT .9957 CRS -.9528 CST -.9714
 FDE .7395 FRA .4844 FC3-1.7047 BSP 16528 SGB 5190.6 R23 -.0009 R13 .8887 LSA 2672.1 MSA 152.3 SSA 22.6
 BDE 1.8177 BRA .1876 BC3 5.5833 FSP -536 SG1 5176.8 SG2 378.4 THA .25 EL1 2595.7 EL2 30.1 ALF 7.18

LAUNCH DATE DEC 23 1965 FLIGHT TIME 170.00 ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC DISTANCE 503.695
 RL 147.15 LAL .00 LOL 90.96 VL 26.634 GAL -.18 AZL 86.44 HCA 252.04 SMA 121.27 ECC .21347 INC 3.5619 V1 30.276
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.668 GAP 10.85 ATP 91.10 TAL 180.65 TAP 72.69 RCA 95.38 APO 147.15 V2 34.821
 RC 176.312 GL 24.13 GP -4.52 ZAL 89.77 ZAP 169.40 ETS 335.36 ZAE 130.62 ETE 184.04 ZAC 88.38 ETC 165.96 CLP-170.41

PLANETOCENTRIC CONIC
 C3 16.379 VHL 4.047 DLA 22.51 RAL 350.97 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 7.149 OPA -10.18 RAP 356.37 ECC 1.2696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 28 2958.11 -28.17 93.38 216.99 87.02 2 8 46 2358.1 -28.29 84.72
 90.00 19 58 32 4021.46 -5.69 161.99 210.57 62.21 21 5 33 3421.5 -9.37 155.24
 100.00 2 57 20 2642.54 -29.87 70.23 217.06 88.90 3 41 23 2042.5 -29.71 61.43
 100.00 21 3 21 3812.26 -4.20 145.80 209.75 60.38 22 6 53 3212.3 -8.11 139.19
 110.00 4 39 35 2322.64 -34.02 45.83 216.95 93.60 5 18 18 1722.6 -33.14 36.70
 110.00 21 37 35 3704.93 -.68 135.47 207.56 55.82 22 39 20 3104.9 -5.16 129.25

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.8732 TRA .0208 TC3-5.5675 BAU 1.2199 SGT 5229.0 SGR 387.8 SG3 158.7 ST 2655.4 SR 337.4 SS 652.7
 RDE .2371 RRA -.0723 RC3 .1971 FAU .03011 RRT .0826 RRF .0695 RTF .8909 CRT .9927 CRS -.9444 CST -.9739
 FDE .7258 FRA .5294 FC3-1.5914 BSP 16727 SGB 5243.3 R23 -.0046 R13 .8909 LSA 2751.0 MSA 149.0 SSA 22.9
 BDE 1.8882 BRA .0753 BC3 5.5710 FSP -524 SG1 5229.1 SG2 386.5 THA .35 EL1 2676.4 EL2 40.5 ALF 7.19

LAUNCH DATE DEC 23 1965 FLIGHT TIME 172.00 ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC DISTANCE 509.306
 RL 147.15 LAL .00 LOL 90.96 VL 26.583 GAL .33 AZL 86.49 HCA 255.21 SMA 120.96 ECC .21656 INC 3.5106 V1 30.276
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.638 GAP 11.12 ATP 90.90 TAL 178.82 TAP 74.03 RCA 94.77 APO 147.16 V2 34.828
 RC 178.366 GL 23.45 GP -4.35 ZAL 86.49 ZAP 170.17 ETS 334.50 ZAE 130.71 ETE 183.92 ZAC 90.65 ETC 166.29 CLP-171.17

PLANETOCENTRIC CONIC
 C3 16.727 VHL 4.090 DLA 23.30 RAL 354.49 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 7.307 OPA -9.04 RAP 358.52 ECC 1.2753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 19 3002.57 -27.97 96.62 221.13 85.41 2 12 22 2402.6 -28.32 87.97
 90.00 20 23 44 3986.61 -6.80 160.02 214.78 62.44 21 30 10 3386.6 -10.43 153.23
 100.00 3 1 47 2681.89 -29.79 73.16 221.26 87.36 3 46 29 2081.9 -29.83 64.35
 100.00 21 26 57 3782.53 -5.20 144.15 213.91 60.52 22 30 0 3182.5 -9.09 137.52
 110.00 4 46 36 2353.97 -34.12 48.27 221.28 92.16 5 25 50 1754.0 -33.45 39.09
 110.00 21 58 38 3683.21 -1.51 134.34 211.62 55.85 23 0 1 3083.2 -5.99 128.11

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.9490 TRA .2292 TC3-5.5009 BAU 1.2308 SGT 5274.8 SGR 396.2 SG3 155.1 ST 2735.8 SR 349.2 SS 657.0
 RDE .2480 RRA -.0759 RC3 .1849 FAU .02837 RRT .1090 RRF .0936 RTF .8933 CRT .9886 CRS -.9365 CST -.9765
 FDE .7182 FRA .5743 FC3-1.4684 BSP 16881 SGB 5289.7 R23 -.0043 R13 .8932 LSA 2831.3 MSA 147.0 SSA 22.9
 BDE 1.9647 BRA .2415 BC3 5.5040 FSP -510 SG1 5275.0 SG2 393.8 THA .47 EL1 2757.5 EL2 52.3 ALF 7.19

LAUNCH DATE DEC 23 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 514.893

RL 147.15 LAL .00 LOL 90.96 VL 26.532 GAL .85 AZL 86.54 MCA 258.38 SMA 120.67 ECC .21995 INC 3.4608 VI 30.276
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.608 GAP 11.40 AZP 90.70 TAL 176.98 TAP 75.36 RCA 94.13 APO 147.21 V2 34.836
 RC 180.400 GL 22.71 GP -4.19 ZAL 83.18 ZAP 170.92 ETS 333.41 ZAE 130.81 ETE 183.81 ZAC 92.95 ETC 166.59 CLP-171.93

PLANETOCENTRIC CONIC

C3 17.212 VHL 4.149 DLA 24.04 RAL 358.07 RAD 6567.7 VEL 11.773 PTH 2.08 VHP 7.476 DPA -7.91 RAP .67 ECC 1.2833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 21 3048.70 -27.68 99.96 225.42 83.76 2 16 9 2448.7 -28.25 91.34
 90.00 20 49 18 3953.65 -7.83 158.15 219.18 62.70 21 55 11 3353.7 -11.43 151.32
 100.00 3 6 35 2722.29 -29.62 76.15 225.63 85.80 3 51 57 2122.3 -29.89 67.35
 100.00 21 50 45 3755.30 -6.11 142.64 218.25 60.68 22 53 20 3155.3 -9.97 135.99
 110.00 4 54 5 2385.96 -34.18 50.77 225.79 90.69 5 33 51 1786.0 -33.70 41.56
 110.00 22 19 44 3664.39 -2.23 133.36 215.85 55.88 23 20 48 3064.4 -6.70 127.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0224 TRA .4486 TC3-5.3893 BAU 1.2407 SGT 5315.8 SGR 403.5 SG3 151.3 ST 2803.7 SR 360.7 SS 656.8
 RDE .2599 RRA -.0782 RC3 .1707 FAU .02666 RRT .1347 RRF .1166 RTF .8958 CRT .9836 CRS -.9284 CST -.9786
 FDE .7074 FRA .6182 FC3-1.3412 BSP 17016 SGB 5331.1 R23 -.0047 R13 .8958 LSA 2898.3 MSA 146.5 SSA 22.7
 BDE 2.0390 BRA .4554 BC3 5.3920 FSP -498 SG1 5316.1 SG2 399.8 THA .59 EL1 2826.0 EL2 64.5 ALF 7.21

LAUNCH DATE DEC 23 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 520.454

RL 147.15 LAL .00 LOL 90.96 VL 26.482 GAL 1.40 AZL 86.59 MCA 261.55 SMA 120.38 ECC .22368 INC 3.4120 VI 30.276
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.580 GAP 11.70 AZP 90.50 TAL 175.15 TAP 76.70 RCA 93.45 APO 147.30 V2 34.845
 RC 182.414 GL 21.90 GP -4.04 ZAL 79.87 ZAP 171.65 ETS 332.04 ZAE 130.91 ETE 183.72 ZAC 95.25 ETC 166.85 CLP-172.68

PLANETOCENTRIC CONIC

C3 17.849 VHL 4.225 DLA 24.72 RAL 1.70 RAD 6567.7 VEL 11.800 PTH 2.09 VHP 7.654 DPA -6.78 RAP 2.82 ECC 1.2938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 38 3095.95 -27.28 103.36 229.84 82.10 2 20 14 2495.9 -28.09 94.79
 90.00 21 14 57 3923.28 -8.77 156.42 223.75 62.97 22 20 20 3323.3 -12.33 149.55
 100.00 3 11 50 2763.19 -29.38 79.16 230.13 84.23 3 57 54 2163.2 -29.87 70.39
 100.00 22 14 26 3731.27 -6.91 141.31 222.75 60.84 23 16 37 3131.3 -10.74 134.62
 110.00 5 2 7 2418.17 -34.17 53.28 230.45 89.20 5 42 25 1818.2 -33.91 44.05
 110.00 22 40 38 3649.05 -2.82 132.55 220.22 55.92 23 41 27 3049.1 -7.27 126.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0948 TRA .6817 TC3-5.2337 BAU 1.2495 SGT 5353.8 SGR 410.0 SG3 147.6 ST 2860.3 SR 371.8 SS 654.3
 RDE .2729 RRA -.0792 RC3 .1550 FAU .02502 RRT .1604 RRF .1400 RTF .8988 CRT .9779 CRS -.9202 CST -.9805
 FDE .6957 FRA .6619 FC3-1.2133 BSP 17122 SGB 5369.5 R23 -.0051 R13 .8988 LSA 2953.9 MSA 147.3 SSA 22.2
 BDE 2.1125 BRA .6863 BC3 5.2360 FSP -486 SG1 5354.2 SG2 404.7 THA .71 EL1 2883.3 EL2 77.1 ALF 7.25

LAUNCH DATE DEC 23 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 525.985

RL 147.15 LAL .00 LOL 90.96 VL 26.433 GAL 1.96 AZL 86.64 MCA 264.72 SMA 120.09 ECC .22778 INC 3.3640 VI 30.276
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.553 GAP 12.01 AZP 90.31 TAL 173.31 TAP 78.04 RCA 92.74 APO 147.45 V2 34.854
 RC 184.407 GL 21.03 GP -3.91 ZAL 76.56 ZAP 172.36 ETS 330.31 ZAE 131.01 ETE 183.64 ZAC 97.57 ETC 167.08 CLP-173.43

PLANETOCENTRIC CONIC

C3 18.656 VHL 4.319 DLA 25.32 RAL 5.35 RAD 6567.8 VEL 11.834 PTH 2.10 VHP 7.844 DPA -5.66 RAP 4.99 ECC 1.3070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 18 3143.68 -26.79 106.77 234.37 80.46 2 24 42 2543.7 -27.83 98.26
 90.00 21 40 24 3896.23 -9.61 154.87 228.47 63.23 22 45 20 3296.2 -13.12 147.96
 100.00 3 17 40 2803.97 -29.06 82.15 234.75 82.68 4 4 24 2204.0 -29.77 73.42
 100.00 22 37 43 3711.17 -7.57 140.19 227.38 61.00 23 39 34 3111.2 -11.39 133.47
 110.00 5 10 44 2450.20 -34.12 55.78 235.25 87.72 5 51 34 1850.2 -34.06 46.54
 110.00 23 1 8 3637.71 -3.25 131.96 224.72 55.95 24 1 45 3037.7 -7.70 125.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1608 TRA .9232 TC3-5.0456 BAU 1.2589 SGT 5389.7 SGR 415.6 SG3 143.9 ST 2897.9 SR 382.5 SS 648.6
 RDE .2871 RRA -.0789 RC3 .1381 FAU .02350 RRT .1852 RRF .1628 RTF .9024 CRT .9718 CRS -.9120 CST -.9821
 FDE .6822 FRA .7039 FC3-1.0905 BSP 17314 SGB 5405.7 R23 -.0054 R13 .9024 LSA 2990.3 MSA 149.5 SSA 21.6
 BDE 2.1798 BRA .9265 BC3 5.0475 FSP -478 SG1 5390.3 SG2 408.3 THA .82 EL1 2921.6 EL2 89.5 ALF 7.32

LAUNCH DATE DEC 23 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 531.482

RL 147.15 LAL .00 LOL 90.96 VL 26.384 GAL 2.56 AZL 86.68 MCA 267.90 SMA 119.81 ECC .23226 INC 3.3165 VI 30.276
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.527 GAP 12.35 AZP 90.12 TAL 171.49 TAP 79.38 RCA 91.98 APO 147.64 V2 34.863
 RC 186.379 GL 20.12 GP -3.79 ZAL 73.28 ZAP 173.05 ETS 328.15 ZAE 131.12 ETE 183.57 ZAC 99.90 ETC 167.28 CLP-174.17

PLANETOCENTRIC CONIC

C3 19.654 VHL 4.433 DLA 25.84 RAL 9.00 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 8.046 DPA -4.54 RAP 7.15 ECC 1.3234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 30 3191.15 -26.21 110.12 238.98 78.88 2 29 41 2591.1 -27.48 101.69
 90.00 22 5 16 3873.35 -10.31 153.55 233.29 63.48 23 9 50 3273.3 -13.79 146.60
 100.00 3 24 11 2844.00 -28.68 85.07 239.47 81.20 4 11 35 2244.0 -29.60 76.38
 100.00 23 0 17 3695.72 -8.08 139.32 232.11 61.12 24 1 52 3095.7 -11.87 132.59
 110.00 5 19 59 2481.69 -34.00 58.24 240.15 86.27 6 1 20 1881.7 -34.15 48.99
 110.00 23 20 58 3630.80 -3.51 131.60 229.30 55.98 24 21 29 3030.8 -7.96 125.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2235 TRA 1.1790 TC3-4.8192 BAU 1.2666 SGT 5420.6 SGR 420.2 SG3 140.3 ST 2921.1 SR 392.4 SS 641.2
 RDE .3025 RRA -.0770 RC3 .1208 FAU .02201 RRT .2101 RRF .1863 RTF .9060 CRT .9652 CRS -.9037 CST -.9835
 FDE .6685 FRA .7466 FC3 -.9697 BSP 17465 SGB 5436.8 R23 -.0053 R13 .9060 LSA 3012.3 MSA 153.1 SSA 20.8
 BDE 2.2440 BRA 1.1816 BC3 4.8207 FSP -468 SG1 5421.3 SG2 410.8 THA .94 EL1 2945.5 EL2 101.8 ALF 7.40

LAUNCH DATE DEC 23 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 23 1966

Heliocentric Conic
 RL 147.15 LAL .00 LOL 90.96 VL 26.336 GAL 3.18 AZL 86.73 HCA 271.07 SMA 119.54 ECC .23718 INC 3.2691 V1 30.276
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.502 GAP 12.71 AZP 89.94 TAL 169.66 TAP 80.74 RCA 91.19 APO 147.89 V2 34.873
 RC 188.330 GL 19.16 GP -3.68 ZAL 70.06 ZAP 173.72 ETS 325.42 ZAE 131.22 ETE 183.51 ZAC 102.23 ETC 167.44 CLP-174.91

Planetocentric Conic
 C3 20.864 VHL 4.568 DLA 26.28 RAL 12.61 RAD 6567.8 VEL 11.927 PTH 2.12 VHP 8.263 DPA -3.44 RAP 9.32 ECC 1.3434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 26 3237.45 -25.56 113.36 243.64 77.38 2 35 23 2637.5 -27.05 105.00
 90.00 22 29 12 3855.56 -10.84 152.52 238.18 63.68 23 33 27 3255.6 -14.29 145.54
 100.00 3 31 30 2882.61 -28.25 87.86 244.25 79.79 4 19 33 2282.6 -29.37 79.23
 100.00 23 21 49 3685.64 -8.41 138.76 236.90 61.21 24 23 14 3085.6 -12.19 132.01
 110.00 5 29 51 2512.30 -33.84 60.61 245.13 84.87 6 11 44 1912.3 -34.18 51.38
 110.00 23 39 57 3628.72 -3.59 131.49 233.94 55.98 24 40 26 3028.7 -8.03 125.22

Differential Corrections
 TOE 2.2829 TRA 1.4495 TC3-4.5602 BAU 1.2723 SGT 5446.8 SGR 424.0 SG3 136.7 ST 2930.1 SR 401.5 SS 632.8
 RDE .3191 RRA -.0736 RC3 .1037 FAU .02054 RRT .2350 RRF .2107 RTF .9096 CRT .9581 CRS -.8953 CST -.9848
 FDE .6550 FRA .7900 FC3 -.8522 BSP 17591 SGB 5463.3 R23 -.0044 R13 .9096 LSA 3020.2 MSA 157.7 SSA 19.9
 BDE 2.3051 BRA 1.4514 BC3 4.5614 FSP -457 SG1 5447.7 SG2 412.1 THA 1.05 EL1 2955.3 EL2 114.0 ALF 7.49

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 25 1966

Heliocentric Conic
 RL 147.15 LAL .00 LOL 90.96 VL 26.289 GAL 3.83 AZL 86.78 HCA 274.25 SMA 119.27 ECC .24258 INC 3.2216 V1 30.276
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.478 GAP 13.09 AZP 89.76 TAL 167.85 TAP 82.10 RCA 90.34 APO 148.21 V2 34.884
 RC 190.259 GL 18.18 GP -3.58 ZAL 66.90 ZAP 174.37 ETS 321.94 ZAE 131.31 ETE 183.46 ZAC 104.57 ETC 167.57 CLP-175.65

Planetocentric Conic
 C3 22.317 VHL 4.724 DLA 26.62 RAL 16.18 RAD 6567.9 VEL 11.987 PTH 2.14 VHP 8.495 DPA -2.34 RAP 11.50 ECC 1.3673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 21 3281.53 -24.87 116.40 248.35 76.00 2 42 2 2681.5 -26.55 108.14
 90.00 22 51 43 3843.95 -11.19 151.85 243.11 63.82 23 55 47 3244.0 -14.62 144.85
 100.00 3 39 46 2919.14 -27.78 90.47 249.09 78.49 4 28 25 2319.1 -29.08 81.91
 100.00 23 41 59 3681.58 -8.55 138.53 241.71 61.25 24 43 21 3081.6 -12.32 131.77
 110.00 5 40 22 2541.78 -33.64 62.89 250.16 83.54 6 22 43 1941.8 -34.17 53.69
 110.00 0 1 49 3631.70 -3.48 131.65 238.61 55.97 1 2 20 3031.7 -7.92 125.38

Differential Corrections
 TOE 2.3401 TRA 1.7378 TC3-4.2716 BAU 1.2747 SGT 5468.3 SGR 426.9 SG3 133.2 ST 2927.5 SR 409.4 SS 623.8
 RDE .3368 RRA -.0684 RC3 .0873 FAU .01905 RRT .2603 RRF .2359 RTF .9131 CRT .9506 CRS -.8867 CST -.9859
 FDE .6420 FRA .8352 FC3 -.7390 BSP 17639 SGB 5484.9 R23 -.0032 R13 .9131 LSA 3016.6 MSA 163.3 SSA 19.0
 BDE 2.3642 BRA 1.7391 BC3 4.2725 FSP -445 SG1 5469.4 SG2 412.1 THA 1.17 EL1 2953.3 EL2 126.0 ALF 7.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 27 1966

Heliocentric Conic
 RL 147.15 LAL .00 LOL 90.96 VL 26.242 GAL 4.51 AZL 86.83 HCA 277.43 SMA 119.01 ECC .24849 INC 3.1737 V1 30.276
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.455 GAP 13.50 AZP 89.59 TAL 166.05 TAP 83.48 RCA 89.44 APO 148.59 V2 34.895
 RC 192.167 GL 17.18 GP -3.49 ZAL 63.82 ZAP 174.98 ETS 317.47 ZAE 131.41 ETE 183.42 ZAC 106.92 ETC 167.66 CLP-176.39

Planetocentric Conic
 C3 24.046 VHL 4.904 DLA 26.88 RAL 19.67 RAD 6568.0 VEL 12.059 PTH 2.16 VHP 8.745 DPA -1.25 RAP 13.68 ECC 1.3957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 32 3322.18 -24.17 119.17 253.10 74.78 2 49 54 2722.2 -26.03 111.00
 90.00 23 12 22 3839.68 -11.32 151.60 248.02 63.87 24 16 22 3239.7 -14.74 144.60
 100.00 3 49 2 2953.03 -27.30 92.87 253.96 77.31 4 38 15 2353.0 -28.77 84.38
 100.00 0 4 29 3684.06 -8.47 138.67 246.51 61.22 1 5 53 3084.1 -12.24 131.92
 110.00 5 51 28 2569.96 -33.40 65.06 255.23 82.28 6 34 18 1970.0 -34.11 55.89
 110.00 0 18 33 3639.89 -3.17 132.08 243.26 55.95 1 19 13 3039.9 -7.62 125.81

Differential Corrections
 TOE 2.3892 TRA 2.0383 TC3-3.9721 BAU 1.2771 SGT 5486.1 SGR 428.8 SG3 129.8 ST 2906.6 SR 416.0 SS 613.0
 RDE .3554 RRA -.0616 RC3 .0716 FAU .01769 RRT .2848 RRF .2605 RTF .9171 CRT .9426 CRS -.8779 CST -.9869
 FDE .6280 FRA .8798 FC3 -.6368 BSP 17759 SGB 5502.9 R23 -.0023 R13 .9171 LSA 2994.7 MSA 169.4 SSA 18.1
 BDE 2.4154 BRA 2.0392 BC3 3.9728 FSP -435 SG1 5487.5 SG2 410.9 THA 1.28 EL1 2933.0 EL2 137.7 ALF 7.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 29 1966

Heliocentric Conic
 RL 147.15 LAL .00 LOL 90.96 VL 26.196 GAL 5.23 AZL 86.87 HCA 280.61 SMA 118.76 ECC .25499 INC 3.1250 V1 30.276
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.433 GAP 13.95 AZP 89.42 TAL 164.27 TAP 84.88 RCA 88.47 APO 149.04 V2 34.906
 RC 194.054 GL 16.17 GP -3.41 ZAL 60.84 ZAP 175.55 ETS 311.68 ZAE 131.49 ETE 183.38 ZAC 109.26 ETC 167.72 CLP-177.14

Planetocentric Conic
 C3 26.090 VHL 5.108 DLA 27.05 RAL 23.06 RAD 6568.1 VEL 12.144 PTH 2.18 VHP 9.014 DPA -.17 RAP 15.87 ECC 1.4294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 16 3358.25 -23.50 121.61 257.87 73.74 2 59 14 2758.3 -25.51 113.51
 90.00 23 30 43 3843.81 -11.20 151.84 252.87 63.82 24 34 47 3243.8 -14.63 144.84
 100.00 3 59 23 2983.89 -26.82 95.04 258.85 76.27 4 49 7 2383.9 -28.44 86.61
 100.00 0 21 12 3693.40 -8.16 139.19 251.27 61.14 1 22 46 3093.4 -11.95 132.45
 110.00 6 3 6 2596.76 -33.14 67.10 260.31 81.09 6 46 23 1996.8 -34.01 57.97
 110.00 0 33 59 3653.29 -2.66 132.78 247.89 55.91 1 34 52 3053.3 -7.11 126.52

Differential Corrections
 TOE 2.4329 TRA 2.3555 TC3-3.6617 BAU 1.2774 SGT 5499.3 SGR 429.7 SG3 126.4 ST 2872.7 SR 420.9 SS 601.4
 RDE .3748 RRA -.0530 RC3 .0572 FAU .01636 RRT .3092 RRF .2850 RTF .9213 CRT .9340 CRS -.8687 CST -.9879
 FDE .6136 FRA .9255 FC3 -.5430 BSP 17867 SGB 5516.0 R23 -.0015 R13 .9213 LSA 2959.8 MSA 176.1 SSA 17.2
 BDE 2.4616 BRA 2.3561 BC3 3.6621 FSP -426 SG1 5500.9 SG2 408.5 THA 1.39 EL1 2899.6 EL2 149.0 ALF 7.81

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 23 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 558.268

RL 147.15 LAL .00 LOL 90.96 VL 26.151 GAL 6.00 AZL 86.92 HCA 283.80 SMA 118.51 ECC .26212 INC 3.0753 V1 30.276
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.412 GAP 14.43 AZP 89.27 TAL 162.50 TAP 86.30 RCA 87.44 APO 149.57 V2 34.918
 RC 195.918 GL 15.15 GP -3.33 ZAL 57.97 ZAP 176.06 ETS 304.13 ZAE 131.57 ETE 183.35 ZAC 111.60 ETC 167.74 CLP-177.89

PLANETOCENTRIC CONIC

C3 28.499 VHL 5.338 DLA 27.14 RAL 26.34 RAD 6568.1 VEL 12.242 PTH 2.20 VHP 9.306 DPA .89 RAP 18.05 ECC 1.4690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 44 3388.88 -22.91 123.65 262.67 72.88 3 10 13 2788.9 -25.03 115.63
 90.00 23 46 25 3857.10 -10.80 152.61 257.64 63.66 24 50 42 3257.1 -14.25 145.64
 100.00 4 10 47 3011.52 -26.35 96.96 263.75 75.36 5 0 59 2411.5 -28.11 88.60
 100.00 0 35 58 3709.68 -7.62 140.10 255.95 61.01 1 37 48 3109.7 -11.43 133.39
 110.00 6 15 12 2622.21 -32.85 69.04 265.38 79.98 6 58 54 2022.2 -33.89 59.95
 110.00 0 48 3 3671.76 -1.95 133.74 252.46 55.87 1 49 15 3071.8 -6.42 127.50

DIFFERENTIAL CORRECTIONS

TDE 2.4727 TRA 2.6916 TC3-3.3454 BAU 1.2747
 RDE .3950 RRA -.0425 RC3 .0444 FAU .01507
 FDE .6001 FRA .9730 FC3 -.4577 BSP 17961
 BDE 2.5041 BRA 2.6919 BC3 3.3457 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 5508.0 SGR 429.6 SG3 123.1
 RRT .3336 RRF .3099 RTF .9255
 SGB 5524.8 R23 -.0005 R13 .9255
 SGI 5509.9 SG2 404.9 THA 1.50

ORBIT DETERMINATION ACCURACY

ST 2829.0 SR 424.2 SS 590.2
 CRT .9249 CRS -.8593 CST -.9888
 LSA 2915.1 MSA 182.9 SSA 16.3
 EL1 2856.1 EL2 159.8 ALF 7.92

LAUNCH DATE DEC 23 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 563.428

RL 147.15 LAL .00 LOL 90.96 VL 26.107 GAL 6.81 AZL 86.98 HCA 286.98 SMA 118.26 ECC .26997 INC 3.0242 V1 30.276
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.392 GAP 14.95 AZP 89.12 TAL 160.77 TAP 87.75 RCA 86.33 APO 150.19 V2 34.930
 RC 197.761 GL 14.14 GP -3.26 ZAL 55.22 ZAP 176.47 ETS 294.40 ZAE 131.64 ETE 183.32 ZAC 113.93 ETC 167.73 CLP-178.65

PLANETOCENTRIC CONIC

C3 31.330 VHL 5.597 DLA 27.15 RAL 29.49 RAD 6568.2 VEL 12.357 PTH 2.23 VHP 9.622 DPA 1.94 RAP 20.24 ECC 1.5156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 58 3413.76 -22.40 125.30 267.48 72.21 3 22 51 2813.8 -24.62 117.34
 90.00 0 3 16 3879.68 -10.11 153.92 262.28 63.41 1 7 56 3279.7 -13.60 146.98
 100.00 4 23 9 3036.00 -25.92 98.65 268.63 74.57 5 13 45 2436.0 -27.79 90.35
 100.00 0 48 46 3732.67 -6.86 141.39 260.54 60.83 1 50 59 3132.7 -10.70 134.70
 110.00 6 27 39 2646.41 -32.55 70.86 270.42 78.94 7 11 45 2046.4 -33.73 61.82
 110.00 1 0 45 3695.04 -1.06 134.96 256.95 55.83 2 2 20 3095.0 -5.54 128.73

DIFFERENTIAL CORRECTIONS

TDE 2.5121 TRA 3.0511 TC3-3.0250 BAU 1.2671
 RDE .4158 RRA -.0300 RC3 .0333 FAU .01375
 FDE .5883 FRA 1.0237 FC3 -.3798 BSP 17948
 BDE 2.5463 BRA 3.0513 BC3 3.0252 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 5513.6 SGR 428.7 SG3 120.0
 RRT .3584 RRF .3356 RTF .9297
 SGB 5530.2 R23 .0006 R13 .9297
 SGI 5515.8 SG2 400.0 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 2780.6 SR 425.8 SS 580.5
 CRT .9152 CRS -.8498 CST -.9898
 LSA 2865.9 MSA 189.7 SSA 15.5
 EL1 2807.8 EL2 169.9 ALF 8.01

LAUNCH DATE DEC 23 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 568.494

RL 147.15 LAL .00 LOL 90.96 VL 26.064 GAL 7.67 AZL 87.03 HCA 290.17 SMA 118.02 ECC .27862 INC 2.9713 V1 30.276
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.372 GAP 15.51 AZP 88.97 TAL 159.06 TAP 89.23 RCA 85.14 APO 150.91 V2 34.942
 RC 199.580 GL 13.15 GP -3.20 ZAL 52.59 ZAP 176.75 ETS 282.32 ZAE 131.70 ETE 183.30 ZAC 116.26 ETC 167.68 CLP-179.42

PLANETOCENTRIC CONIC

C3 34.654 VHL 5.887 DLA 27.09 RAL 32.50 RAD 6568.4 VEL 12.491 PTH 2.26 VHP 9.967 DPA 2.97 RAP 22.42 ECC 1.5703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 45 3433.32 -21.99 126.59 272.31 71.69 3 36 58 2833.3 -24.28 118.67
 90.00 0 13 31 3910.96 -9.15 155.72 266.77 63.09 1 18 42 3311.0 -12.69 148.82
 100.00 4 36 18 3057.60 -25.52 100.13 273.50 73.89 5 27 15 2457.6 -27.49 91.88
 100.00 0 59 39 3761.90 -5.89 143.01 265.01 60.64 2 2 21 3161.9 -9.76 136.36
 110.00 6 40 20 2669.48 -32.24 72.59 275.42 77.97 7 24 49 2069.5 -33.56 63.60
 110.00 1 12 7 3722.79 -.00 136.40 261.36 55.82 2 14 9 3122.8 -4.49 130.19

DIFFERENTIAL CORRECTIONS

TDE 2.5436 TRA 3.4279 TC3-2.7163 BAU 1.2585
 RDE .4370 RRA -.0156 RC3 .0238 FAU .01254
 FDE .5756 FRA 1.0752 FC3 -.3133 BSP 18030
 BDE 2.5809 BRA 3.4279 BC3 2.7164 FSP -396

MID-COURSE EXECUTION ACCURACY

SGT 5513.6 SGR 426.6 SG3 116.9
 RRT .3824 RRF .3601 RTF .9343
 SGB 5530.1 R23 .0011 R13 .9343
 SGI 5516.0 SG2 394.0 THA 1.70

ORBIT DETERMINATION ACCURACY

ST 2720.7 SR 425.4 SS 570.1
 CRT .9048 CRS -.8397 CST -.9907
 LSA 2805.3 MSA 196.3 SSA 14.8
 EL1 2747.9 EL2 179.3 ALF 8.09

LAUNCH DATE DEC 23 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 573.449

RL 147.15 LAL .00 LOL 90.96 VL 26.021 GAL 8.59 AZL 87.08 HCA 293.36 SMA 117.79 ECC .28816 INC 2.9161 V1 30.276
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.354 GAP 16.13 AZP 88.84 TAL 157.38 TAP 90.74 RCA 83.85 APO 151.73 V2 34.955
 RC 201.376 GL 12.17 GP -3.14 ZAL 50.10 ZAP 176.85 ETS 268.43 ZAE 131.74 ETE 183.27 ZAC 118.57 ETC 167.59 CLP 179.80

PLANETOCENTRIC CONIC

C3 38.559 VHL 6.210 DLA 26.97 RAL 35.37 RAD 6568.5 VEL 12.646 PTH 2.30 VHP 10.343 DPA 3.99 RAP 24.61 ECC 1.6346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 43 3448.53 -21.66 127.58 277.12 71.30 3 52 11 2848.5 -24.01 119.70
 90.00 0 21 24 3949.70 -7.95 157.93 271.12 62.73 1 27 13 3349.7 -11.55 151.09
 100.00 4 50 2 3076.76 -25.15 101.44 278.33 73.29 5 41 19 2476.8 -27.20 93.24
 100.00 1 8 45 3796.70 -4.72 144.94 269.37 60.45 2 12 2 3196.7 -8.62 138.32
 110.00 6 53 7 2891.61 -31.91 74.23 280.37 77.04 7 37 59 2091.6 -33.36 65.30
 110.00 1 22 10 3754.61 1.22 138.06 265.68 55.84 2 24 44 3154.6 -3.27 131.86

DIFFERENTIAL CORRECTIONS

TDE 2.5726 TRA 3.8279 TC3-2.4161 BAU 1.2455
 RDE .4585 RRA .0008 RC3 .0160 FAU .01135
 FDE .5644 FRA 1.1297 FC3 -.2549 BSP 18088
 BDE 2.6131 BRA 3.8279 BC3 2.4162 FSP -386

MID-COURSE EXECUTION ACCURACY

SGT 5508.4 SGR 423.5 SG3 113.9
 RRT .4063 RRF .3848 RTF .9389
 SGB 5524.7 R23 .0016 R13 .9389
 SGI 5511.1 SG2 386.8 THA 1.80

ORBIT DETERMINATION ACCURACY

ST 2656.3 SR 423.1 SS 561.2
 CRT .8938 CRS -.8295 CST -.9916
 LSA 2740.2 MSA 202.3 SSA 14.0
 EL1 2683.3 EL2 187.8 ALF 8.14

LAUNCH DATE DEC 23 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 578.271

RL 147.15 LAL .00 LOL 90.96 VL 25.979 GAL 9.57 AZL 87.14 HCA 296.55 SMA 117.56 ECC .29872 INC 2.8582 VI 30.276
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.336 GAP 16.81 AZP 88.72 TAL 155.75 TAP 92.30 RCA 82.44 APO 152.68 V2 34.968
 RC 203.147 GL 11.21 GP -3.09 ZAL 47.74 ZAP 176.75 ETS 254.18 ZAE 131.75 ETE 183.25 ZAC 120.87 ETC 167.45 CLP 179.00

PLANETOCENTRIC CONIC

C3 43.151 VHL 6.569 DLA 26.79 RAL 38.08 RAD 6568.6 VEL 12.826 PTH 2.33 VHP 10.757 DPA 4.98 RAP 26.78 ECC 1.7102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 26 3460.59 -21.39 128.36 281.89 70.99 4 8 6 2860.6 -23.79 120.51
 90.00 0 27 17 3994.44 -6.55 160.47 275.33 62.39 1 33 52 3394.4 -10.20 153.69
 100.00 5 4 9 3093.98 -24.81 102.60 283.11 72.77 5 55 43 2494.0 -26.93 94.45
 100.00 1 16 15 3836.29 -3.39 147.12 273.59 60.28 2 20 11 3236.3 -7.32 140.54
 110.00 7 5 55 2712.98 -31.58 75.80 285.24 76.17 7 51 8 2113.0 -33.15 66.93
 110.00 1 30 59 3790.04 2.57 139.91 269.88 55.90 2 34 9 3190.0 -1.92 133.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6015 TRA 4.2369 TC3-2.1281 BAU 1.2277 SGT 5501.4 SGR 419.5 SG3 111.1 ST 2590.9 SR 418.9 SS 553.7
 RDE .4802 RRA .0193 RC3 .0098 FAU .01018 RRT .4302 RRF .4096 RTF .9437 CRT .8822 CRS -.8191 CST -.9925
 FDE .5542 FRA 1.1877 FC3 -.2042 BSP 18127 SGB 5517.4 R23 .0018 R13 .9437 LSA 2674.2 MSA 207.7 SSA 13.3
 BDE 2.6455 BRA 4.2370 BC3 2.1281 FSP -378 SGI 5504.4 SG2 378.5 THA 1.89 EL1 2617.3 EL2 195.3 ALF 8.16

LAUNCH DATE DEC 23 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 582.935

RL 147.15 LAL .00 LOL 90.96 VL 25.938 GAL 10.63 AZL 87.20 HCA 299.75 SMA 117.34 ECC .31043 INC 2.7969 VI 30.276
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.319 GAP 17.56 AZP 88.61 TAL 154.17 TAP 93.92 RCA 80.92 APO 153.77 V2 34.981
 RC 204.893 GL 10.28 GP -3.04 ZAL 45.51 ZAP 176.45 ETS 241.22 ZAE 131.75 ETE 183.23 ZAC 123.14 ETC 167.28 CLP 178.17

PLANETOCENTRIC CONIC

C3 48.565 VHL 6.969 DLA 26.56 RAL 40.62 RAD 6568.8 VEL 13.036 PTH 2.38 VHP 11.212 DPA 5.95 RAP 28.95 ECC 1.7993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 29 3470.60 -21.17 129.01 286.60 70.74 4 24 19 2870.6 -23.60 121.19
 90.00 0 31 34 4043.76 -4.98 163.25 279.38 62.09 1 38 58 3443.8 -8.68 156.52
 100.00 5 18 25 3109.73 -24.49 103.66 287.81 72.30 6 10 15 2509.7 -26.68 95.55
 100.00 1 22 19 3879.86 -1.92 149.52 277.69 60.16 2 26 59 3279.9 -5.87 142.96
 110.00 7 18 35 2733.74 -31.23 77.32 290.02 75.33 8 4 9 2133.7 -32.92 68.51
 110.00 1 38 38 3828.62 4.04 141.93 273.98 56.03 2 42 27 3228.6 -.45 135.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6338 TRA 4.7176 TC3-1.8516 BAU 1.2022 SGT 5491.1 SGR 414.6 SG3 108.4 ST 2527.3 SR 413.1 SS 548.7
 RDE .5022 RRA .0400 RC3 .0052 FAU .00897 RRT .4546 RRF .4349 RTF .9486 CRT .8702 CRS -.8092 CST -.9934
 FDE .5465 FRA 1.2508 FC3 -.1599 BSP 18071 SGB 5506.8 R23 .0020 R13 .9486 LSA 2610.4 MSA 212.1 SSA 12.7
 BDE 2.6813 BRA 4.7178 BC3 1.8516 FSP -367 SGI 5494.4 SG2 369.1 THA 1.97 EL1 2552.9 EL2 201.5 ALF 8.15

LAUNCH DATE DEC 23 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 587.407

RL 147.15 LAL .00 LOL 90.96 VL 25.898 GAL 11.78 AZL 87.27 HCA 302.95 SMA 117.13 ECC .32344 INC 2.7315 VI 30.276
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.304 GAP 18.39 AZP 88.51 TAL 152.65 TAP 95.60 RCA 79.24 APO 155.01 V2 34.994
 RC 206.614 GL 9.38 GP -2.99 ZAL 43.43 ZAP 175.98 ETS 230.48 ZAE 131.71 ETE 183.21 ZAC 125.39 ETC 167.05 CLP 177.32

PLANETOCENTRIC CONIC

C3 54.967 VHL 7.414 DLA 26.28 RAL 43.01 RAD 6569.0 VEL 13.279 PTH 2.43 VHP 11.716 DPA 6.89 RAP 31.11 ECC 1.9046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 31 3479.41 -20.97 129.58 291.23 70.52 4 40 31 2879.4 -23.44 121.78
 90.00 0 34 32 4096.47 -3.30 166.20 283.30 61.86 1 42 48 3496.5 -7.04 159.52
 100.00 5 32 38 3124.43 -24.18 104.65 292.42 71.87 6 24 43 2524.4 -26.43 96.57
 100.00 1 27 6 3926.68 -.33 152.08 281.66 60.11 2 32 33 3326.7 -4.31 145.55
 110.00 7 31 2 2753.99 -30.87 78.79 294.69 74.53 8 16 56 2154.0 -32.68 70.04
 110.00 1 45 12 3869.89 5.61 144.10 277.97 56.22 2 49 42 3269.9 1.13 137.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6625 TRA 5.2067 TC3-1.5955 BAU 1.1725 SGT 5474.6 SGR 408.6 SG3 105.7 ST 2460.0 SR 403.3 SS 544.8
 RDE .5240 RRA .0627 RC3 .0018 FAU .00782 RRT .4781 RRF .4595 RTF .9535 CRT .8577 CRS -.7989 CST -.9942
 FDE .5392 FRA 1.3174 FC3 -.1232 BSP 18106 SGB 5489.8 R23 .0019 R13 .9535 LSA 2542.8 MSA 215.5 SSA 12.0
 BDE 2.7136 BRA 5.2070 BC3 1.5955 FSP -358 SGI 5478.1 SG2 358.6 THA 2.05 EL1 2484.6 EL2 206.3 ALF 8.10

LAUNCH DATE DEC 23 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 591.643

RL 147.15 LAL .00 LOL 90.96 VL 25.860 GAL 13.02 AZL 87.34 HCA 306.15 SMA 116.92 ECC .33796 INC 2.6611 VI 30.276
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.289 GAP 19.31 AZP 88.43 TAL 151.21 TAP 97.36 RCA 77.41 APO 156.44 V2 35.007
 RC 208.309 GL 8.50 GP -2.95 ZAL 41.50 ZAP 175.37 ETS 222.00 ZAE 131.64 ETE 183.19 ZAC 127.60 ETC 166.78 CLP 176.43

PLANETOCENTRIC CONIC

C3 62.568 VHL 7.910 DLA 25.97 RAL 45.22 RAD 6569.2 VEL 13.562 PTH 2.48 VHP 12.275 DPA 7.80 RAP 33.25 ECC 2.0297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 19 3487.59 -20.78 130.11 295.75 70.32 4 56 26 2887.6 -23.28 122.33
 90.00 0 36 24 4151.57 -1.52 169.28 287.08 61.72 1 45 36 3551.6 -5.29 162.63
 100.00 5 46 39 3138.35 -23.88 105.57 296.91 71.47 6 38 57 2538.4 -26.19 97.54
 100.00 1 30 46 3976.04 1.34 154.79 285.49 60.13 2 37 2 3376.0 -2.64 148.27
 110.00 7 43 10 2773.78 -30.50 80.22 299.24 73.76 8 29 24 2173.8 -32.42 71.53
 110.00 1 50 44 3913.38 7.25 146.40 281.84 56.50 2 55 57 3313.4 2.79 140.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6945 TRA 5.7334 TC3-1.3558 BAU 1.1341 SGT 5454.3 SGR 401.6 SG3 103.1 ST 2394.6 SR 395.9 SS 543.3
 RDE .5457 RRA .0876 RC3 -.0003 FAU .00664 RRT .5016 RRF .4840 RTF .9584 CRT .8449 CRS -.7889 CST -.9951
 FDE .5339 FRA 1.3899 FC3 -.0919 BSP 18111 SGB 5469.0 R23 .0015 R13 .9584 LSA 2477.6 MSA 217.6 SSA 11.4
 BDE 2.7492 BRA 5.7341 BC3 1.3558 FSP -350 SGI 5458.0 SG2 347.1 THA 2.12 EL1 2418.0 EL2 209.7 ALF 8.01

LAUNCH DATE DEC 23 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 25.822 GAL 14.38 AZL 87.42 MCA 309.35 SMA 116.72 ECC .35419 INC 2.5847 V1 30.276
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.275 GAP 20.34 AZP 88.36 TAL 149.86 TAP 99.21 RCA 75.38 APO 158.06 V2 35.020
 RC 209.976 GL 7.66 GP -2.91 ZAL 39.71 ZAP 174.64 ETS 215.40 ZAE 131.52 ETE 183.16 ZAC 129.77 ETC 166.46 CLP 175.49

PLANETOCENTRIC CONIC
 C3 71.641 VHL 8.464 DLA 25.62 RAL 47.26 RAD 6569.4 VEL 13.892 PTH 2.54 VHP 12.901 DPA 8.68 RAP 35.36 ECC 2.1790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 40 3495.46 -20.60 130.62 300.14 70.13 5 11 56 2895.5 -23.12 122.85
 90.00 0 37 20 4208.32 .31 172.44 290.72 61.68 1 47 29 3608.3 -3.48 165.81
 100.00 6 0 18 3151.68 -23.59 106.46 301.28 71.09 6 52 50 2551.7 -25.95 98.45
 100.00 1 33 24 4027.33 3.08 157.61 289.18 60.25 2 40 31 3427.3 -1.90 151.09
 110.00 7 54 54 2793.12 -30.13 81.60 303.65 73.02 8 41 27 2193.1 -32.15 72.97
 110.00 1 55 17 3958.66 8.94 148.81 285.58 56.87 3 1 15 3358.7 4.52 142.51

MID-COURSE EXECUTION ACCURACY
 SGT 5430.0 SGR 393.6 SG3 100.7
 RRT .5249 RRF .5085 RTF .9633
 SGB 5444.2 R23 .0011 R13 .9633
 SGI 5433.9 SG2 334.7 TMA 2.19

ORBIT DETERMINATION ACCURACY
 ST 2331.2 SR 384.9 SS 544.3
 CRT .8320 CRS -.7793 CST -.9958
 LSA 2414.8 MSA 218.2 SSA 10.8
 EL1 2353.3 EL2 211.5 ALF 7.89

DIFFERENTIAL CORRECTIONS
 TOE 2.7306 TRA 6.3018 TC3 -1.1339 BAU 1.0861
 RDE .5673 RRA .1147 RC3 -.0013 FAU .00542
 FDE .5306 FRA 1.4690 FC3 -.0655 BSP 18112
 BDE 2.7889 BRA 6.3028 BC3 1.1339 FSP -342

LAUNCH DATE DEC 23 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 25.786 GAL 15.87 AZL 87.50 MCA 312.55 SMA 116.53 ECC .37242 INC 2.5009 V1 30.276
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.262 GAP 21.49 AZP 88.31 TAL 148.61 TAP 101.17 RCA 75.13 APO 159.93 V2 35.034
 RC 211.617 GL 6.84 GP -2.88 ZAL 38.08 ZAP 173.81 ETS 210.25 ZAE 131.35 ETE 183.14 ZAC 131.89 ETC 166.08 CLP 174.51

PLANETOCENTRIC CONIC
 C3 82.533 VHL 9.085 DLA 25.24 RAL 49.13 RAD 6569.6 VEL 14.279 PTH 2.60 VHP 13.603 DPA 9.52 RAP 37.44 ECC 2.3583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 27 3503.13 -20.42 131.11 304.37 69.95 5 26 50 2903.1 -22.97 123.36
 90.00 0 37 26 4266.10 2.17 175.67 294.21 61.76 1 48 32 3666.1 -1.62 169.04
 100.00 6 13 30 3164.45 -23.31 107.30 305.48 70.73 7 6 15 2564.4 -25.72 99.33
 100.00 1 35 4 4080.01 4.85 160.51 292.72 60.47 2 43 4 3480.0 .88 153.98
 110.00 8 6 11 2811.91 -29.74 82.93 307.88 72.32 8 53 3 2211.9 -31.87 74.36
 110.00 1 58 53 4005.31 10.67 151.32 289.19 57.33 3 5 38 3405.3 6.28 144.97

MID-COURSE EXECUTION ACCURACY
 SGT 5403.7 SGR 384.7 SG3 98.4
 RRT .5484 RRF .5333 RTF .9680
 SGB 5417.4 R23 .0007 R13 .9680
 SGI 5407.9 SG2 321.5 TMA 2.24

ORBIT DETERMINATION ACCURACY
 ST 2273.0 SR 372.6 SS 548.9
 CRT .8196 CRS -.7708 CST -.9966
 LSA 2357.8 MSA 217.3 SSA 10.3
 EL1 2293.6 EL2 211.5 ALF 7.72

DIFFERENTIAL CORRECTIONS
 TOE 2.7772 TRA 6.9215 TC3 -.9278 BAU 1.0237
 RDE .5888 RRA .1442 RC3 -.0015 FAU .00408
 FDE .5307 FRA 1.5571 FC3 -.0428 BSP 18002
 BDE 2.8389 BRA 6.9230 BC3 .9278 FSP -332

LAUNCH DATE DEC 23 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 25.751 GAL 17.53 AZL 87.59 MCA 315.76 SMA 116.35 ECC .39296 INC 2.4079 V1 30.276
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.250 GAP 22.80 AZP 88.27 TAL 147.50 TAP 103.26 RCA 70.63 APO 162.07 V2 35.047
 RC 213.230 GL 6.05 GP -2.84 ZAL 36.61 ZAP 172.88 ETS 206.15 ZAE 131.12 ETE 183.10 ZAC 133.95 ETC 165.66 CLP 173.46

PLANETOCENTRIC CONIC
 C3 95.702 VHL 9.783 DLA 24.83 RAL 50.81 RAD 6569.9 VEL 14.732 PTH 2.67 VHP 14.396 DPA 10.32 RAP 39.48 ECC 2.5750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 42 35 3510.53 -20.25 131.58 308.42 69.77 5 41 5 2910.5 -22.82 123.85
 90.00 0 36 43 4324.44 4.05 178.93 297.54 61.95 1 48 48 3724.4 .26 172.29
 100.00 6 26 9 3176.59 -23.03 108.10 309.50 70.40 7 19 6 2576.6 -25.49 100.16
 100.00 1 35 50 4133.61 6.64 163.49 296.11 60.79 2 44 44 3533.6 2.70 156.92
 110.00 8 16 56 2830.03 -29.36 84.20 311.93 71.66 9 4 6 2230.0 -31.58 75.70
 110.00 2 1 33 4052.94 12.40 153.92 292.65 57.89 3 9 6 3452.9 8.07 147.50

MID-COURSE EXECUTION ACCURACY
 SGT 5370.9 SGR 374.8 SG3 96.1
 RRT .5711 RRF .5573 RTF .9726
 SGB 5383.9 R23 .0000 R13 .9726
 SGI 5375.1 SG2 307.4 TMA 2.29

ORBIT DETERMINATION ACCURACY
 ST 2214.6 SR 358.9 SS 555.8
 CRT .8073 CRS -.7625 CST -.9972
 LSA 2301.2 MSA 214.9 SSA 9.7
 EL1 2233.6 EL2 210.0 ALF 7.52

DIFFERENTIAL CORRECTIONS
 TOE 2.8276 TRA 7.5908 TC3 -.7417 BAU .9490
 RDE .6100 RRA .1756 RC3 -.0010 FAU .00268
 FDE .5323 FRA 1.6534 FC3 -.0242 BSP 17999
 BDE 2.8927 BRA 7.5928 BC3 .7417 FSP -325

LAUNCH DATE DEC 23 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC
 RL 147.15 LAL .00 LOL 90.96 VL 25.718 GAL 19.36 AZL 87.70 MCA 318.97 SMA 116.17 ECC .41620 INC 2.3035 V1 30.276
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.239 GAP 24.29 AZP 88.26 TAL 146.55 TAP 105.52 RCA 67.82 APO 164.53 V2 35.060
 RC 214.816 GL 5.29 GP -2.81 ZAL 35.32 ZAP 171.84 ETS 202.85 ZAE 130.80 ETE 183.07 ZAC 135.93 ETC 165.18 CLP 172.34

PLANETOCENTRIC CONIC
 C3 111.748 VHL 10.571 DLA 24.39 RAL 52.50 RAD 6570.1 VEL 15.267 PTH 2.74 VHP 15.296 DPA 11.08 RAP 41.45 ECC 2.8391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 58 3517.49 -20.08 132.03 312.25 69.61 5 54 36 2917.5 -22.68 124.32
 90.00 0 35 12 4382.94 5.91 182.22 300.69 62.26 1 48 15 3782.9 2.15 175.56
 100.00 6 38 11 3187.95 -22.77 108.84 313.31 70.09 7 31 19 2587.9 -25.28 100.94
 100.00 1 35 41 4187.71 8.43 166.51 299.32 61.21 2 45 28 3587.7 4.52 159.90
 110.00 8 27 5 2847.25 -28.99 85.40 315.74 71.04 9 14 32 2247.2 -31.30 76.96
 110.00 2 3 16 4101.18 14.13 156.58 295.95 58.55 3 11 37 3501.2 9.87 150.08

MID-COURSE EXECUTION ACCURACY
 SGT 5334.3 SGR 363.9 SG3 94.0
 RRT .5935 RRF .5810 RTF .9769
 SGB 5346.7 R23 -.0006 R13 .9769
 SGI 5338.7 SG2 292.6 TMA 2.33

ORBIT DETERMINATION ACCURACY
 ST 2159.7 SR 344.0 SS 566.4
 CRT .7958 CRS -.7552 CST -.9978
 LSA 2249.2 MSA 210.8 SSA 9.1
 EL1 2177.1 EL2 206.6 ALF 7.29

DIFFERENTIAL CORRECTIONS
 TOE 2.8907 TRA 8.3231 TC3 -.5724 BAU .8551
 RDE .6309 RRA .2091 RC3 .0001 FAU .00110
 FDE .5374 FRA 1.7610 FC3 -.0085 BSP 17969
 BDE 2.9587 BRA 8.3258 BC3 .5724 FSP -318

LAUNCH DATE DEC 23 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

DISTANCE 606.738

RL 147.15 LAL .00 LOL 90.96 VL 25.687 GAL 21.43 AZL 87.82 MCA 322.18 SMA 116.01 ECC .44259 INC 2.1845 V1 30.276
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.230 GAP 25.99 AZP 88.27 TAL 145.80 TAP 107.98 RCA 64.67 APO 167.36 V2 35.073
 RC 216.375 GL 4.56 GP -2.78 ZAL 34.21 ZAP 170.70 ETS 200.13 ZAE 130.39 ETE 183.03 ZAC 137.81 ETC 164.65 CLP 171.12

PLANETOCENTRIC CONIC

C3 131.474 VML 11.466 CLA 23.93 RAL 53.58 RAD 6570.4 VEL 15.900 PTH 2.81 VHP 16.325 DPA 11.79 RAP 43.35 ECC 3.1637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 34 3523.70 -19.94 132.42 315.83 69.47 6 7 18 2923.7 -22.55 124.73
 90.00 0 32 50 4441.28 7.75 185.52 303.64 62.68 1 46 51 3841.3 4.02 178.82
 100.00 6 49 30 3198.25 -22.53 109.51 316.86 69.82 7 42 49 2598.3 -25.08 101.64
 100.00 1 34 35 4241.96 10.19 169.57 302.33 61.75 2 45 17 3642.0 6.34 162.90
 110.00 8 36 34 2863.29 -28.63 86.51 319.30 70.47 9 24 17 2263.3 -31.02 78.12
 110.00 2 4 0 4149.69 15.84 159.31 299.06 59.30 3 13 10 3549.7 11.65 152.71

DIFFERENTIAL CORRECTIONS

TOE 2.9700 TRA 9.1277 TC3 -.4193 BAU .7370
 ROE .6518 RRA .2445 RC3 .0015 FAU-.00074
 FOE .5464 FRA 1.8822 FC3 .0049 BSP 17907
 BOE 3.0406 BRA 9.1310 BC3 .4193 FSP -311

MID-COURSE EXECUTION ACCURACY

SGT 5294.0 SGR 352.1 SG3 92.0
 RRT .6154 RRF .6043 RTF .9810
 SGB 5305.7 R23 -.0013 R13 .9810
 SG1 5298.4 SG2 277.3 THA 2.35

ORBIT DETERMINATION ACCURACY

ST 2108.1 SR 328.1 SS 581.3
 CRT .7855 CRS -.7491 CST -.9983
 LSA 2201.7 MSA 205.2 SSA 8.5
 EL1 2124.0 EL2 201.6 ALF 7.03

LAUNCH DATE DEC 23 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

DISTANCE 607.647

RL 147.15 LAL .00 LOL 90.96 VL 25.659 GAL 23.76 AZL 87.95 MCA 325.40 SMA 115.86 ECC .47266 INC 2.0469 V1 30.276
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.222 GAP 27.96 AZP 88.31 TAL 145.28 TAP 110.68 RCA 61.10 APO 170.63 V2 35.086
 RC 217.906 GL 3.85 GP -2.75 ZAL 33.31 ZAP 169.42 ETS 197.84 ZAE 129.87 ETE 182.98 ZAC 139.58 ETC 164.09 CLP 169.78

PLANETOCENTRIC CONIC

C3 155.964 VML 12.489 CLA 23.43 RAL 54.63 RAD 6570.7 VEL 16.652 PTH 2.89 VHP 17.510 DPA 12.45 RAP 45.15 ECC 3.5668
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 19 3528.77 -19.82 132.74 319.12 69.35 6 19 7 2928.8 -22.45 125.06
 90.00 0 29 31 4499.20 9.54 188.83 306.36 63.21 1 44 30 3899.2 5.87 182.08
 100.00 7 0 4 3207.15 -22.32 110.09 320.12 69.58 7 53 31 2607.2 -24.90 102.24
 100.00 1 32 27 4296.06 11.92 172.66 305.11 62.38 2 44 3 3696.1 8.13 165.92
 110.00 8 45 20 2877.82 -28.29 87.51 322.55 69.96 9 33 18 2277.8 -30.75 79.17
 110.00 2 3 40 4198.15 17.50 162.08 301.95 60.16 3 13 38 3598.2 13.40 155.37

DIFFERENTIAL CORRECTIONS

TOE 3.0725 TRA10.0173 TC3 -.2813 BAU .5866
 ROE .6727 RRA .2816 RC3 .0032 FAU-.00298
 FOE .5608 FRA 2.0200 FC3 .0165 BSP 17745
 BOE 3.1453 BRA10.0212 BC3 .2813 FSP -303

MID-COURSE EXECUTION ACCURACY

SGT 5250.7 SGR 339.3 SG3 90.1
 RRT .6369 RRF .6271 RTF .9846
 SGB 5261.6 R23 -.0020 R13 .9846
 SG1 5255.1 SG2 261.4 THA 2.36

ORBIT DETERMINATION ACCURACY

ST 2060.5 SR 311.5 SS 601.4
 CRT .7767 CRS -.7446 CST -.9987
 LSA 2159.8 MSA 198.0 SSA 8.0
 EL1 2074.7 EL2 194.9 ALF 6.76

LAUNCH DATE DEC 23 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 607.333

RL 147.15 LAL .00 LOL 90.96 VL 25.633 GAL 26.42 AZL 88.12 MCA 328.61 SMA 115.73 ECC .50705 INC 1.8849 V1 30.276
 RP 107.97 LAP -.98 LOP 59.58 VP 36.217 GAP 30.25 AZP 88.39 TAL 145.07 TAP 113.68 RCA 57.05 APO 174.42 V2 35.099
 RC 219.410 GL 3.17 GP -2.72 ZAL 32.65 ZAP 167.99 ETS 195.89 ZAE 129.19 ETE 182.92 ZAC 141.21 ETC 163.50 CLP 168.30

PLANETOCENTRIC CONIC

C3 186.690 VML 13.663 CLA 22.90 RAL 55.44 RAD 6571.0 VEL 17.550 PTH 2.97 VHP 18.882 DPA 13.04 RAP 46.82 ECC 4.0724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 9 3532.22 -19.73 132.96 322.06 69.27 6 30 1 2932.2 -22.38 125.29
 90.00 0 25 7 4556.50 11.28 192.14 308.81 63.85 1 41 3 3956.5 7.67 185.32
 100.00 7 9 46 3214.20 -22.15 110.54 323.04 69.40 8 3 21 2614.2 -24.76 102.71
 100.00 1 29 10 4349.75 13.59 175.77 307.62 63.12 2 41 40 3749.7 9.88 168.95
 110.00 8 53 16 2890.41 -28.00 88.37 325.46 69.53 9 41 27 2290.4 -30.52 80.08
 110.00 2 2 9 4246.30 19.11 164.89 304.58 61.10 3 12 56 3646.3 15.11 158.06

DIFFERENTIAL CORRECTIONS

TOE 3.1959 TRA10.9946 TC3 -.1599 BAU .3993
 ROE .6936 RRA .3195 RC3 .0050 FAU-.00567
 FOE .5799 FRA 2.1756 FC3 .0263 BSP 17681
 BOE 3.2703 BRA10.9992 BC3 .1600 FSP -297

MID-COURSE EXECUTION ACCURACY

SGT 5199.8 SGR 325.5 SG3 88.3
 RRT .6570 RRF .6484 RTF .9879
 SGB 5209.9 R23 -.0027 R13 .9879
 SG1 5204.2 SG2 245.2 THA 2.36

ORBIT DETERMINATION ACCURACY

ST 2012.6 SR 294.1 SS 626.4
 CRT .7692 CRS -.7412 CST -.9990
 LSA 2119.8 MSA 189.4 SSA 7.4
 EL1 2025.4 EL2 186.8 ALF 6.47

LAUNCH DATE DEC 23 1965

FLIGHT TIME 220.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 605.414

RL 147.15 LAL .00 LOL 90.96 VL 25.612 GAL 29.48 AZL 88.31 MCA 331.83 SMA 115.62 ECC .54643 INC 1.6900 V1 30.276
 RP 107.93 LAP -.80 LOP 62.80 VP 36.214 GAP 32.93 AZP 88.51 TAL 145.23 TAP 117.06 RCA 52.44 APO 178.80 V2 35.111
 RC 220.887 GL 2.51 GP -2.69 ZAL 32.26 ZAP 166.37 ETS 194.19 ZAE 128.33 ETE 182.85 ZAC 142.65 ETC 162.91 CLP 166.63

PLANETOCENTRIC CONIC

C3 225.677 VML 15.023 CLA 22.34 RAL 55.96 RAD 6571.3 VEL 18.628 PTH 3.05 VHP 20.482 DPA 13.57 RAP 48.32 ECC 4.7141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 59 3533.46 -19.70 133.04 324.61 69.24 6 39 52 2933.5 -22.35 125.37
 90.00 0 19 26 4613.05 12.95 195.45 310.93 64.60 1 36 19 4013.0 9.43 188.55
 100.00 7 18 33 3218.88 -22.04 110.85 325.56 69.28 8 12 12 2618.9 -24.66 103.03
 100.00 1 24 33 4402.86 15.21 178.89 309.81 63.95 2 37 56 3802.9 11.58 171.97
 110.00 9 0 18 2900.56 -27.75 89.06 327.95 69.19 9 48 38 2300.6 -30.32 80.81
 110.00 1 59 18 4293.94 20.65 167.72 306.90 62.13 3 10 52 3693.9 16.76 160.76

DIFFERENTIAL CORRECTIONS

TOE 3.3517 TRA12.0745 TC3 -.0532 BAU .1618
 ROE .7148 RRA .3575 RC3 .0067 FAU-.00907
 FOE .6061 FRA 2.3534 FC3 .0348 BSP 17594
 BOE 3.4271 BRA12.0798 BC3 .0536 FSP -293

MID-COURSE EXECUTION ACCURACY

SGT 5142.8 SGR 310.6 SG3 86.7
 RRT .6757 RRF .6683 RTF .9907
 SGB 5152.2 R23 -.0034 R13 .9907
 SG1 5147.1 SG2 228.8 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 1966.0 SR 276.2 SS 657.9
 CRT .7635 CRS -.7392 CST -.9993
 LSA 2083.7 MSA 179.7 SSA 6.8
 EL1 1977.4 EL2 177.3 ALF 6.17

LAUNCH DATE DEC 24 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 4 1966

HELIOCENTRIC CONIC

DISTANCE 203.587

RL 147.14 LAL .00 LOL 91.98 VL 29.060 GAL -13.08 AZL 86.79 HCA 93.46 SMA 138.33 ECC .23467 INC 3.2143 V1 30.278
 RP 107.78 LAP 3.21 LOP 185.44 VP 38.772 GAP -4.67 A7P 90.19 TAL 241.58 TAP 335.04 RCA 105.87 APO 170.79 V2 35.160
 RC 64.180 GL 13.15 GP 7.27 ZAL 158.42 ZAP 46.53 ETS 351.51 ZAE 163.45 ETE 353.35 ZAC 53.32 ETC 166.10 CLP -46.09

PLANETOCENTRIC CONIC

C3 48.662 VHL 6.976 DLA -9.03 RAL 288.97 RAD 6568.8 VEL 13.039 PTH 2.38 VHP 4.868 DPA -10.95 RAP 320.54 ECC 1.8009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 10 2151.71 -17.99 37.54 163.20 112.24 2 13 1 1551.7 -14.82 30.30
 90.00 11 18 16 5363.66 27.78 244.93 169.69 84.29 12 47 40 4763.7 26.70 236.43
 100.00 2 54 5 1903.52 -19.32 18.70 162.61 113.26 3 25 49 1303.5 -16.01 11.48
 100.00 12 44 1 5087.08 29.21 224.42 169.51 83.37 14 8 48 4487.1 27.99 215.83
 110.00 3 52 18 1721.28 -22.86 3.13 160.87 116.14 4 20 59 1121.3 -19.16 355.95
 110.00 14 2 19 4842.09 33.07 205.19 168.89 80.80 15 23 1 4242.1 31.44 196.34

DIFFERENTIAL CORRECTIONS

TDE -.1108 TRA -.4614 TC3 .1420 BAU .0925
 RDE -.4686 RRA .1224 RC3 .0074 FAU .09174
 FDE .4533 FRA -1.4366 FC3 -1.6320 BSP 535
 BDE .4815 BRA .4774 BC3 .1422 FSP -645

MID-COURSE EXECUTION ACCURACY

SGT 441.3 SGR 398.2 SG3 224.5
 RRT -.0113 RRF -.2787 RTF -.0231
 SGB 594.4 R23 .2797 R13 .0093
 SG1 441.5 SG2 398.1 THA 176.87

ORBIT DETERMINATION ACCURACY

ST 146.9 SR 386.1 SS 219.3
 CRT .5558 CR5 .7664 CST -.0910
 LSA 430.4 MSA 181.6 SSA 21.2
 EL1 395.5 EL2 119.2 ALF 76.84

LAUNCH DATE DEC 24 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 210.248

RL 147.14 LAL .00 LOL 91.98 VL 29.091 GAL -12.95 AZL 86.84 HCA 96.68 SMA 138.59 ECC .23207 INC 3.1623 V1 30.278
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.786 GAP -3.96 A7P 90.37 TAL 242.03 TAP 338.72 RCA 106.43 APO 170.76 V2 35.149
 RC 66.268 GL 13.09 GP 7.74 ZAL 158.64 ZAP 51.29 ETS 352.12 ZAE 166.10 ETE 357.92 ZAC 51.72 ETC 166.32 CLP -50.86

PLANETOCENTRIC CONIC

C3 47.687 VHL 6.906 DLA -9.12 RAL 288.74 RAD 6568.8 VEL 13.002 PTH 2.37 VHP 4.605 DPA -10.92 RAP 318.91 ECC 1.7848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 59 2143.71 -17.79 37.04 162.63 112.40 2 12 42 1543.7 -14.60 29.82
 90.00 11 16 39 5361.53 27.77 244.78 169.12 84.21 12 46 0 4761.5 26.67 236.28
 100.00 2 53 52 1895.68 -19.11 18.22 162.04 113.43 3 25 27 1295.7 -15.78 11.01
 100.00 12 42 27 5084.79 29.20 224.25 168.94 83.28 14 7 12 4484.8 27.96 215.66
 110.00 3 51 57 1713.78 -22.63 2.67 160.29 116.33 4 20 31 1113.8 -18.91 355.51
 110.00 14 0 51 4839.46 33.04 204.99 168.31 80.68 15 21 30 4239.5 31.40 196.15

DIFFERENTIAL CORRECTIONS

TDE -.0988 TRA -.4950 TC3 .1106 BAU .0715
 RDE -.4644 RRA .1311 RC3 .0188 FAU .10094
 FDE .4960 FRA -1.5922 FC3 -1.8324 BSP 458
 BDE .4748 BRA .5120 BC3 .1122 FSP -728

MID-COURSE EXECUTION ACCURACY

SGT 450.6 SGR 401.6 SG3 249.9
 RRT -.0566 RRF -.3201 RTF .1045
 SGB 603.6 R23 .2875 R13 -.1653
 SG1 453.2 SG2 398.6 THA 166.95

ORBIT DETERMINATION ACCURACY

ST 149.4 SR 386.7 SS 230.7
 CRT .4756 CR5 .7666 CST -.1845
 LSA 433.4 MSA 191.8 SSA 21.2
 EL1 394.0 EL2 129.0 ALF 78.32

LAUNCH DATE DEC 24 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 216.868

RL 147.14 LAL .00 LOL 91.98 VL 29.112 GAL -12.83 AZL 86.89 HCA 99.91 SMA 138.77 ECC .22973 INC 3.1100 V1 30.278
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.791 GAP -3.29 A7P 90.54 TAL 242.33 TAP 342.24 RCA 106.89 APO 170.65 V2 35.138
 RC 68.394 GL 13.02 GP 8.22 ZAL 158.80 ZAP 56.22 ETS 352.74 ZAE 169.00 ETE 1.84 ZAC 49.94 ETC 166.57 CLP -55.82

PLANETOCENTRIC CONIC

C3 46.755 VHL 6.838 DLA -9.22 RAL 288.60 RAD 6568.7 VEL 12.966 PTH 2.36 VHP 4.378 DPA -10.92 RAP 317.09 ECC 1.7695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 10 2135.73 -17.58 36.55 162.15 112.56 2 12 46 1535.7 -14.37 29.34
 90.00 11 15 21 5359.62 27.75 244.64 168.65 84.14 12 44 41 4759.6 26.65 236.15
 100.00 2 54 0 1887.86 -18.90 17.73 161.56 113.60 3 25 28 1287.9 -15.55 10.54
 100.00 12 41 12 5082.72 29.18 224.10 168.47 83.21 14 5 55 4482.7 27.93 215.52
 110.00 3 51 59 1706.32 -22.41 2.21 159.81 116.52 4 20 25 1106.3 -18.66 355.07
 110.00 13 59 43 4837.03 33.01 204.80 167.83 80.58 15 20 20 4237.0 31.36 195.97

DIFFERENTIAL CORRECTIONS

TDE -.0842 TRA -.5351 TC3 .0721 BAU .0492
 RDE -.4591 RRA .1406 RC3 .0318 FAU .11035
 FDE .5338 FRA -1.7475 FC3 -2.0433 BSP 469
 BDE .4668 BRA .5532 BC3 .0788 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 470.1 SGR 405.2 SG3 276.1
 RRT -.1196 RRF -.3636 RTF .2442
 SGB 620.6 R23 .2555 R13 -.3283
 SG1 478.5 SG2 395.2 THA 160.65

ORBIT DETERMINATION ACCURACY

ST 153.5 SR 386.4 SS 240.8
 CRT .3757 CR5 .7650 CST -.2949
 LSA 435.3 MSA 202.3 SSA 21.2
 EL1 391.3 EL2 140.5 ALF 80.24

LAUNCH DATE DEC 24 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 223.445

RL 147.14 LAL .00 LOL 91.98 VL 29.123 GAL -12.71 AZL 86.94 HCA 103.14 SMA 138.86 ECC .22757 INC 3.0565 V1 30.278
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.788 GAP -2.65 A7P 90.70 TAL 242.47 TAP 345.61 RCA 107.26 APO 170.46 V2 35.126
 RC 70.553 GL 12.93 GP 8.70 ZAL 158.91 ZAP 61.31 ETS 353.38 ZAE 172.04 ETE 8.83 ZAC 48.01 ETC 166.84 CLP -60.95

PLANETOCENTRIC CONIC

C3 45.850 VHL 6.771 DLA -9.31 RAL 288.55 RAD 6568.7 VEL 12.931 PTH 2.36 VHP 4.185 DPA -10.94 RAP 315.12 ECC 1.7546
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 44 2127.70 -17.37 36.05 161.76 112.72 2 13 11 1527.7 -14.14 28.86
 90.00 11 14 22 5357.85 27.74 244.51 168.27 84.08 12 43 40 4757.8 26.63 236.02
 100.00 2 54 30 1880.00 -18.69 17.25 161.16 113.77 3 25 50 1280.0 -15.31 10.08
 100.00 12 40 17 5080.78 29.16 223.96 168.09 83.13 14 4 57 4480.8 27.91 215.38
 110.00 3 52 22 1698.82 -22.18 1.74 159.41 116.70 4 20 41 1098.8 -18.41 354.63
 110.00 13 58 54 4834.72 32.99 204.63 167.45 80.48 15 19 29 4234.7 31.32 195.80

DIFFERENTIAL CORRECTIONS

TDE -.0691 TRA -.5835 TC3 .0246 BAU .0319
 RDE -.4531 RRA .1505 RC3 .0459 FAU .11934
 FDE .5722 FRA -1.8893 FC3 -2.2533 BSP 597
 BDE .4583 BRA .6026 BC3 .0521 FSP -903

MID-COURSE EXECUTION ACCURACY

SGT 504.9 SGR 409.3 SG3 301.4
 RRT -.1941 RRF -.4093 RTF .3864
 SGB 649.9 R23 .2190 R13 -.4664
 SG1 520.1 SG2 389.7 THA 158.73

ORBIT DETERMINATION ACCURACY

ST 161.1 SR 385.3 SS 250.3
 CRT .2673 CR5 .7672 CST -.3998
 LSA 437.4 MSA 212.8 SSA 21.2
 EL1 388.2 EL2 154.1 ALF 82.42

LAUNCH DATE DEC 24 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 229.980

RL 147.14 LAL .00 LOL 91.98 VL 29.125 GAL -12.59 AZL 87.00 MCA 106.36 SMA 138.87 ECC .22557 INC 3.0016 VI 30.278
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.779 GAP -2.05 AZP 90.85 TAL 242.48 TAP 348.84 RCA 107.55 APO 170.20 V2 35.114
 RC 72.741 GL 12.82 GP 9.19 ZAL 158.96 ZAP 66.51 ETS 354.05 ZAE 175.01 ETE 24.73 ZAC 45.96 ETC 167.13 CLP -66.19

PLANETOCENTRIC CONIC

C3 44.963 VML 6.705 DLA -9.41 RAL 288.57 RAD 6568.7 VEL 12.897 PTH 2.35 VHP 4.026 DPA -10.96 RAP 313.03 ECC 1.7400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 38 2119.55 -17.15 35.55 161.45 112.88 2 13 57 1519.5 -13.91 28.38
 90.00 11 13 41 5356.18 27.73 244.39 167.97 84.02 12 42 57 4756.2 26.61 235.90
 100.00 2 55 21 1872.02 -18.47 16.76 160.85 113.93 3 26 33 1272.0 -15.08 9.60
 100.00 12 39 38 5078.94 29.15 223.82 167.78 83.06 14 4 17 4478.9 27.88 215.25
 110.00 3 53 5 1691.22 -21.94 1.28 159.09 116.89 4 21 17 1091.2 -18.16 354.19
 110.00 13 58 23 4832.50 32.96 204.46 167.14 80.38 15 18 56 4232.5 31.28 195.64

DIFFERENTIAL CORRECTIONS

TDE -.0519 TRA -.6382 TC3 -.0303 BAU .0411
 RDE -.4457 RRA .1608 RC3 .0613 FAU .12790
 FDE .6001 FRA-2.0194 FC3-2.4627 BSP 827
 BDE .4487 BRA .6582 BC3 .0684 FSP -992

MID-COURSE EXECUTION ACCURACY

SGT 556.1 SGR 413.7 SG3 325.9
 RRT -.2758 RRF -.4551 RTF .5141
 SGB 693.1 R23 .1871 R13 -.5793
 SG1 577.9 SG2 382.7 TMA 158.70

ORBIT DETERMINATION ACCURACY

ST 171.7 SR 383.1 SS 257.5
 CRT .1513 CRS .7667 CST -.5068
 LSA 438.5 MSA 223.2 SSA 21.2
 EL1 384.2 EL2 169.2 ALF 85.19

LAUNCH DATE DEC 24 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 236.473

RL 147.14 LAL .00 LOL 91.98 VL 29.118 GAL -12.47 AZL 87.06 MCA 109.58 SMA 138.82 ECC .22369 INC 2.9450 VI 30.278
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.762 GAP -1.47 AZP 90.99 TAL 242.36 TAP 351.94 RCA 107.77 APO 169.87 V2 35.101
 RC 74.954 GL 12.71 GP 9.67 ZAL 158.96 ZAP 71.77 ETS 354.76 ZAE 176.89 ETE 70.29 ZAC 43.84 ETC 167.46 CLP -71.50

PLANETOCENTRIC CONIC

C3 44.081 VML 6.639 DLA -9.52 RAL 288.67 RAD 6568.7 VEL 12.863 PTH 2.34 VHP 3.898 DPA -10.98 RAP 310.87 ECC 1.7255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 51 2111.19 -16.93 35.04 161.21 113.04 2 15 2 1511.2 -13.67 27.88
 90.00 11 13 15 5354.57 27.72 244.28 167.74 83.96 12 42 29 4754.6 26.59 235.79
 100.00 2 56 31 1863.85 -18.24 16.26 160.61 114.10 3 27 35 1263.8 -14.83 9.12
 100.00 12 39 16 5077.15 29.13 223.69 167.55 83.00 14 3 53 4477.1 27.86 215.12
 110.00 3 54 8 1683.45 -21.70 .80 158.84 117.08 4 22 11 1083.4 -17.90 353.74
 110.00 13 58 8 4830.32 32.94 204.30 166.90 80.28 15 18 39 4230.3 31.24 195.48

DIFFERENTIAL CORRECTIONS

TDE -.0347 TRA -.6999 TC3 -.0938 BAU .0716
 RDE -.4372 RRA .1707 RC3 .0773 FAU .13526
 FDE .6262 FRA-2.1221 FC3-2.6564 BSP 1134
 BDE .4386 BRA .7205 BC3 .1216 FSP -1064

MID-COURSE EXECUTION ACCURACY

SGT 625.7 SGR 418.6 SG3 347.6
 RRT -.3550 RRF -.5008 RTF .6200
 SGB 752.8 R23 .1644 R13 -.6690
 SG1 652.7 SG2 375.2 TMA 159.66

ORBIT DETERMINATION ACCURACY

ST 186.2 SR 380.0 SS 263.8
 CRT .0430 CRS .7700 CST -.5937
 LSA 440.3 MSA 233.2 SSA 21.1
 EL1 380.1 EL2 186.0 ALF 88.41

LAUNCH DATE DEC 24 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 242.926

RL 147.14 LAL .00 LOL 91.98 VL 29.104 GAL -12.34 AZL 87.11 MCA 112.79 SMA 138.70 ECC .22190 INC 2.8860 VI 30.278
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.741 GAP -.92 AZP 91.12 TAL 242.11 TAP 354.91 RCA 107.92 APO 169.48 V2 35.089
 RC 77.191 GL 12.58 GP 10.14 ZAL 158.91 ZAP 77.03 ETS 355.51 ZAE 175.49 ETE 123.90 ZAC 41.72 ETC 167.82 CLP -76.82

PLANETOCENTRIC CONIC

C3 43.200 VML 6.573 DLA -9.63 RAL 288.84 RAD 6568.6 VEL 12.828 PTH 2.34 VHP 3.800 DPA -10.98 RAP 308.70 ECC 1.7110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 24 2102.55 -16.70 34.51 161.03 113.20 2 16 27 1502.6 -13.42 27.37
 90.00 11 13 3 5353.04 27.71 244.17 167.57 83.91 12 42 16 4753.0 26.57 235.68
 100.00 2 58 1 1855.40 -18.00 15.74 160.43 114.27 3 28 56 1255.4 -14.58 8.62
 100.00 12 39 7 5075.42 29.12 223.56 167.38 82.93 14 3 43 4475.4 27.84 215.00
 110.00 3 55 29 1675.42 -21.45 .31 158.66 117.27 4 23 25 1075.4 -17.63 353.27
 110.00 13 58 8 4828.17 32.91 204.13 166.73 80.19 15 18 36 4228.2 31.21 195.32

DIFFERENTIAL CORRECTIONS

TDE -.0166 TRA -.7663 TC3 -.1641 BAU .1093
 RDE -.4272 RRA .1803 RC3 .0941 FAU .14153
 FDE .6380 FRA-2.2025 FC3-2.8364 BSP 1483
 BDE .4276 BRA .7873 BC3 .1892 FSP -1137

MID-COURSE EXECUTION ACCURACY

SGT 711.3 SGR 423.6 SG3 366.6
 RRT -.4292 RRF -.5446 RTF .7011
 SGB 827.8 R23 .1470 R13 -.7367
 SG1 742.2 SG2 366.6 TMA 160.81

ORBIT DETERMINATION ACCURACY

ST 203.9 SR 375.5 SS 267.4
 CRT -.0567 CRS .7701 CST -.6710
 LSA 441.3 MSA 242.7 SSA 21.0
 EL1 375.8 EL2 203.4 ALF 92.50

LAUNCH DATE DEC 24 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 249.339

RL 147.14 LAL .00 LOL 91.98 VL 29.084 GAL -12.22 AZL 87.18 MCA 116.01 SMA 138.53 ECC .22019 INC 2.8242 VI 30.278
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.713 GAP -.40 AZP 91.24 TAL 241.76 TAP 357.77 RCA 108.03 APO 169.03 V2 35.076
 RC 79.446 GL 12.43 GP 10.59 ZAL 158.82 ZAP 82.24 ETS 356.31 ZAE 172.41 ETE 143.49 ZAC 39.64 ETC 168.21 CLP -82.10

PLANETOCENTRIC CONIC

C3 42.311 VML 6.505 DLA -9.74 RAL 289.08 RAD 6568.6 VEL 12.794 PTH 2.33 VHP 3.730 DPA -10.96 RAP 306.58 ECC 1.6963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 16 2093.54 -16.46 33.96 160.91 113.37 2 18 10 1493.5 -13.16 26.84
 90.00 11 13 4 5351.58 27.70 244.06 167.46 83.86 12 42 15 4751.6 26.56 235.58
 100.00 2 59 49 1846.59 -17.76 15.20 160.31 114.45 3 30 36 1246.6 -14.31 8.11
 100.00 12 39 12 5073.76 29.11 223.44 167.27 82.87 14 3 46 4473.8 27.81 214.88
 110.00 3 57 9 1667.06 -21.19 359.80 158.54 117.47 4 24 56 1067.1 -17.35 352.79
 110.00 13 58 21 4826.06 32.89 203.97 166.61 80.10 15 18 47 4226.1 31.17 195.17

DIFFERENTIAL CORRECTIONS

TDE .0006 TRA -.8373 TC3 -.2415 BAU .1503
 RDE -.4161 RRA .1888 RC3 .1110 FAU .14604
 FDE .6451 FRA-2.2466 FC3-2.9881 BSP 1875
 BDE .4161 BRA .8583 BC3 .2658 FSP -1187

MID-COURSE EXECUTION ACCURACY

SGT 811.6 SGR 428.5 SG3 381.2
 RRT -.4940 RRF -.5862 RTF .7607
 SGB 917.8 R23 .1365 R13 -.7866
 SG1 845.1 SG2 357.8 TMA 162.06

ORBIT DETERMINATION ACCURACY

ST 224.7 SR 370.0 SS 269.5
 CRT -.1394 CRS .7732 CST -.7270
 LSA 443.3 MSA 251.1 SSA 20.9
 EL1 372.1 EL2 221.3 ALF 97.50

LAUNCH DATE DEC 24 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 29.057 GAL -12.09 AZL 87.24 MCA 119.22 SMA 138.30 ECC .21853 INC 2.7590 V1 30.278
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.682 GAP .09 A7P 91.35 TAL 241.30 TAP .52 RCA 108.08 APO 168.53 V2 35.063
 RC 81.719 GL 12.27 GP 11.04 ZAL 158.68 ZAP 87.33 ETS 357.16 ZAE 169.02 ETE 151.48 ZAC 37.66 ETC 168.65 CLP -87.28

PLANETOCENTRIC CONIC
 C3 41.412 VML 6.435 DLA -9.87 RAL 289.38 RAD 6568.6 VEL 12.758 PTH 2.32 VHP 3.685 DPA -10.90 RAP 304.57 ECC 1.6815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 28 2084.03 -16.20 33.38 160.85 113.55 2 20 12 1484.0 -12.88 26.28
 90.00 11 13 15 5350.25 27.69 243.96 167.41 83.81 12 42 25 4750.3 26.54 235.49
 100.00 3 1 57 1837.31 -17.49 14.64 160.24 114.63 3 32 34 1237.3 -14.03 7.56
 100.00 12 39 27 5072.20 29.09 223.33 167.22 82.81 14 4 0 4472.2 27.79 214.77
 110.00 3 59 8 1658.26 -20.92 359.27 158.46 117.67 4 26 46 1058.3 -17.05 352.28
 110.00 13 58 46 4824.02 32.86 203.82 166.56 80.01 15 19 10 4224.0 31.14 195.02

DIFFERENTIAL CORRECTIONS
 TDE .0169 TRA -.9106 TC3 -.3244 BAU .1931 SGT 922.9 SGR 433.2 SG3 391.4 ST 247.7 SR 363.3 SS 269.8
 RDE -.4036 RRA .1961 RC3 .1280 FAU .14880 RRT -.5504 RRF -.6253 RTF .8036 CRT -.2069 CRS .7769 CST -.7687
 FDE .6438 FRA -2.2582 FC3 -3.1107 BSP 2291 SGB 1019.5 R23 .1304 R13 -.8227 LSA 446.1 MSA 258.2 SSA 20.8
 BDE .4039 BRA .9315 BC3 .3487 FSP -1220 SGI 958.2 SG2 348.4 THA 163.23 EL1 369.6 EL2 238.2 ALF 103.89

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 29.025 GAL -11.95 AZL 87.31 MCA 122.43 SMA 138.04 ECC .21693 INC 2.6897 V1 30.278
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.646 GAP .56 A7P 91.44 TAL 240.74 TAP 3.17 RCA 108.09 APO 167.98 V2 35.050
 RC 84.008 GL 12.09 GP 11.47 ZAL 158.51 ZAP 92.27 ETS 358.06 ZAE 165.61 ETE 155.66 ZAC 35.83 ETC 169.13 CLP -92.31

PLANETOCENTRIC CONIC
 C3 40.500 VML 6.364 DLA -10.01 RAL 289.74 RAD 6568.6 VEL 12.723 PTH 2.31 VHP 3.664 DPA -10.80 RAP 302.70 ECC 1.6665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 1 2073.92 -15.93 32.77 160.83 113.73 2 22 35 1473.9 -12.58 25.68
 90.00 11 13 35 5349.13 27.68 243.88 167.40 83.77 12 42 44 4749.1 26.53 235.41
 100.00 3 4 25 1827.44 -17.21 14.04 160.22 114.82 3 34 52 1227.4 -13.72 6.99
 100.00 12 39 52 5070.83 29.08 223.23 167.21 82.76 14 4 23 4470.8 27.77 214.67
 110.00 4 1 25 1648.92 -20.62 358.71 158.44 117.89 4 28 54 1048.9 -16.73 351.75
 110.00 13 59 21 4822.12 32.84 203.67 166.55 79.93 15 19 43 4222.1 31.10 194.88

DIFFERENTIAL CORRECTIONS
 TDE .0318 TRA -.9850 TC3 -.4121 BAU .2366 SGT 1042.5 SGR 437.4 SG3 398.3 ST 272.1 SR 354.8 SS 266.8
 RDE -.3891 RRA .2027 RC3 .1454 FAU .15027 RRT -.6008 RRF -.6617 RTF .8344 CRT -.2603 CRS .7751 CST -.8043
 FDE .6241 FRA -2.2467 FC3 -3.2122 BSP 2728 SGB 1130.6 R23 .1265 R13 -.8488 LSA 448.3 MSA 264.0 SSA 20.8
 BDE .3904 BRA 1.0056 BC3 .4370 FSP -1256 SGI 1078.9 SG2 337.9 THA 164.27 EL1 368.8 EL2 252.7 ALF 112.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.988 GAL -11.81 AZL 87.38 MCA 125.64 SMA 137.73 ECC .21537 INC 2.6152 V1 30.278
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.606 GAP 1.01 A7P 91.52 TAL 240.09 TAP 5.73 RCA 108.07 APO 167.39 V2 35.036
 RC 86.309 GL 11.88 GP 11.91 ZAL 158.29 ZAP 96.99 ETS 359.01 ZAE 162.31 ETE 158.18 ZAC 34.19 ETC 169.68 CLP -97.15

PLANETOCENTRIC CONIC
 C3 39.572 VML 6.291 DLA -10.16 RAL 290.16 RAD 6568.5 VEL 12.686 PTH 2.30 VHP 3.664 DPA -10.64 RAP 301.02 ECC 1.6513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 56 2063.02 -15.63 32.11 160.85 113.92 2 25 19 1463.0 -12.26 25.05
 90.00 11 14 0 5348.31 27.67 243.82 167.45 83.74 12 43 9 4748.3 26.52 235.35
 100.00 3 7 14 1816.83 -16.91 13.40 160.24 115.02 3 37 31 1216.8 -13.40 6.37
 100.00 12 40 23 5069.74 29.07 223.15 167.26 82.72 14 4 52 4469.7 27.76 214.59
 110.00 4 4 4 1638.91 -20.30 358.11 158.45 118.11 4 31 22 1038.9 -16.38 351.18
 110.00 14 0 3 4820.42 32.82 203.55 166.59 79.85 15 20 23 4220.4 31.07 194.76

DIFFERENTIAL CORRECTIONS
 TDE .0443 TRA -1.0594 TC3 -.5038 BAU .2801 SGT 1168.0 SGR 441.2 SG3 400.7 ST 297.4 SR 345.1 SS 262.4
 RDE -.3735 RRA .2078 RC3 .1628 FAU .15003 RRT -.6444 RRF -.6957 RTF .8564 CRT -.3003 CRS .7745 CST -.8287
 FDE .5987 FRA -2.2046 FC3 -3.2823 BSP 3178 SGB 1248.6 R23 .1264 R13 -.8676 LSA 451.9 MSA 267.9 SSA 20.7
 BDE .3761 BRA 1.0796 BC3 .5295 FSP -1272 SGI 1205.0 SG2 327.0 THA 165.21 EL1 371.7 EL2 263.4 ALF 121.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.947 GAL -11.67 AZL 87.47 MCA 128.84 SMA 137.39 ECC .21385 INC 2.5347 V1 30.278
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.563 GAP 1.44 A7P 91.59 TAL 239.36 TAP 8.20 RCA 108.01 APO 166.77 V2 35.023
 RC 88.623 GL 11.64 GP 12.36 ZAL 158.04 ZAP 101.49 ETS .02 ZAE 159.14 ETE 159.81 ZAC 32.76 ETC 170.32 CLP -101.76

PLANETOCENTRIC CONIC
 C3 38.626 VML 6.215 DLA -10.33 RAL 290.63 RAD 6568.5 VEL 12.649 PTH 2.30 VHP 3.681 DPA -10.41 RAP 299.57 ECC 1.6357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 15 2051.16 -15.30 31.39 160.92 114.12 2 28 26 1451.2 -11.91 24.35
 90.00 11 14 29 5347.95 27.67 243.80 167.54 83.73 12 43 37 4747.9 26.51 235.32
 100.00 3 10 28 1805.29 -16.57 12.70 160.31 115.24 3 40 33 1205.3 -13.04 5.70
 100.00 12 40 57 5069.06 29.07 223.10 167.35 82.69 14 5 26 4469.1 27.75 214.54
 110.00 4 7 3 1628.06 -19.95 357.46 158.51 118.35 4 34 12 1028.1 -16.01 350.56
 110.00 14 0 51 4819.05 32.80 203.44 166.68 79.80 15 21 10 4219.1 31.05 194.66

DIFFERENTIAL CORRECTIONS
 TDE .0940 TRA -1.1324 TC3 -.5992 BAU .3231 SGT 1297.4 SGR 444.5 SG3 399.6 ST 323.0 SR 334.0 SS 256.0
 RDE -.3564 RRA .2116 RC3 .1804 FAU .14845 RRT -.6829 RRF -.7276 RTF .8721 CRT -.3286 CRS .7722 CST -.8468
 FDE .5644 FRA -2.1393 FC3 -3.3272 BSP 3638 SGB 1371.4 R23 .1292 R13 -.8812 LSA 456.3 MSA 269.7 SSA 20.6
 BDE .3604 BRA 1.1520 BC3 .6257 FSP -1278 SGI 1334.6 SG2 315.6 THA 166.04 EL1 378.9 EL2 268.9 ALF 132.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.902 GAL -11.52 AZL 87.55 MCA 132.05 SMA 137.02 ECC .21236 INC 2.4465 V1 30.278
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.517 GAP 1.85 AZP 91.64 TAL 238.55 TAP 10.60 RCA 107.92 APO 166.12 V2 35.010
 RC 90.946 GL 11.36 GP 12.84 ZAL 157.76 ZAP 105.72 ETS 1.09 ZAE 156.16 ETE 160.88 ZAC 31.58 ETC 171.06 CLP-106.14

DISTANCE 280.852

PLANETOCENTRIC CONIC
 C3 37.662 VML 6.137 CLA -10.54 RAL 291.17 RAD 6568.5 VEL 12.611 PTH 2.29 VHP 3.715 DPA -10.12 RAP 298.35 ECC 1.6198
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 2 2038.08 -14.93 30.61 161.02 114.34 2 32 0 1438.1 -11.52 23.59
 90.00 11 14 57 5348.24 27.67 243.82 167.68 83.74 12 44 6 4748.2 26.52 235.34
 100.00 3 14 7 1792.58 -16.20 11.94 160.41 115.47 3 44 0 1192.6 -12.64 4.96
 100.00 12 41 33 5068.98 29.06 223.09 167.49 82.69 14 6 2 4469.0 27.75 214.54
 110.00 4 10 28 1616.15 -19.56 356.75 158.61 118.61 4 37 24 1016.2 -15.59 349.88
 110.00 14 1 42 4818.18 32.79 203.38 166.82 79.76 15 22 0 4218.2 31.03 194.60

DIFFERENTIAL CORRECTIONS
 TDE .0608 TRA-1.2026 TC3 -.6972 BAU .3649 SGT 1428.2 SGR 447.3 SG3 394.5 ST 348.2 SR 321.9 SS 248.7
 RDE -.3384 RRA .2138 RC3 .1979 FAU .14538 RRT -.7164 RRF -.7577 RTF .8830 CRT -.3477 CRS .7731 CST -.8564
 FDE .5302 FRA-2.0475 FC3-3.3419 BSP 4087 SGB 1496.6 R23 .1361 R13 -.8907 LSA 462.4 MSA 269.3 SSA 20.5
 BDE .3439 BRA 1.2215 BC3 .7247 FSP -1260 SG1 1465.4 SG2 304.2 THA 166.78 EL1 390.4 EL2 269.2 ALF 141.38

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.853 GAL -11.36 AZL 87.65 MCA 135.25 SMA 136.62 ECC .21092 INC 2.3491 V1 30.278
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.469 GAP 2.24 AZP 91.67 TAL 237.67 TAP 12.92 RCA 107.81 APO 165.44 V2 34.996
 RC 93.279 GL 11.04 GP 13.36 ZAL 157.44 ZAP 109.69 ETS 2.25 ZAE 153.36 ETE 161.55 ZAC 30.63 ETC 171.94 CLP-110.26

DISTANCE 287.054

PLANETOCENTRIC CONIC
 C3 36.679 VML 6.056 CLA -10.78 RAL 291.76 RAD 6568.4 VEL 12.572 PTH 2.28 VHP 3.762 DPA -9.73 RAP 297.37 ECC 1.6036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 21 2023.47 -14.52 29.73 161.17 114.58 2 36 4 1423.5 -11.08 22.74
 90.00 11 15 21 5349.49 27.68 243.91 167.87 83.78 12 44 30 4749.5 26.53 235.43
 100.00 3 18 18 1778.41 -15.79 11.10 160.55 115.72 3 47 56 1178.4 -12.20 4.14
 100.00 12 42 4 5069.78 29.07 223.15 167.69 82.72 14 6 34 4469.8 27.76 214.59
 110.00 4 14 20 1602.93 -19.13 355.97 158.74 118.88 4 41 3 1002.9 -15.13 349.14
 110.00 14 2 32 4818.02 32.79 203.37 167.02 79.75 15 22 50 4218.0 31.03 194.59

DIFFERENTIAL CORRECTIONS
 TDE .0632 TRA-1.2698 TC3 -.7985 BAU .4057 SGT 1560.2 SGR 450.2 SG3 387.7 ST 372.8 SR 308.1 SS 239.0
 RDE -.3189 RRA .2151 RC3 .2165 FAU .14167 RRT -.7474 RRF -.7865 RTF .8911 CRT -.3576 CRS .7680 CST -.8654
 FDE .4839 FRA-1.9472 FC3-3.3439 BSP 4548 SGB 1623.9 R23 .1449 R13 -.8977 LSA 468.6 MSA 266.6 SSA 20.4
 BDE .3251 BRA 1.2879 BC3 .8273 FSP -1245 SG1 1597.4 SG2 292.2 THA 167.40 EL1 404.4 EL2 265.2 ALF 149.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.802 GAL -11.19 AZL 87.76 MCA 138.44 SMA 136.21 ECC .20951 INC 2.2401 V1 30.278
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.418 GAP 2.61 AZP 91.68 TAL 236.73 TAP 15.17 RCA 107.67 APO 164.74 V2 34.983
 RC 95.621 GL 10.65 GP 13.95 ZAL 157.09 ZAP 113.37 ETS 3.50 ZAE 150.75 ETE 161.92 ZAC 29.93 ETC 172.98 CLP-114.13

DISTANCE 293.227

PLANETOCENTRIC CONIC
 C3 35.675 VML 5.973 CLA -11.07 RAL 292.40 RAD 6568.4 VEL 12.532 PTH 2.27 VHP 3.821 DPA -9.24 RAP 296.63 ECC 1.5871
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 18 2006.88 -14.05 28.74 161.35 114.84 2 40 45 1406.9 -10.58 21.78
 90.00 11 15 33 5352.06 27.70 244.10 168.12 83.87 12 44 45 4752.1 26.56 235.61
 100.00 3 23 6 1762.37 -15.31 10.14 160.73 115.99 3 52 28 1162.4 -11.69 3.22
 100.00 12 42 27 5071.81 29.09 223.30 167.94 82.79 14 6 59 4471.8 27.79 214.74
 110.00 4 18 45 1588.05 -18.64 355.10 158.92 119.19 4 45 13 988.1 -14.61 348.30
 110.00 14 3 17 4818.89 32.80 203.43 167.28 79.79 15 23 35 4218.9 31.04 194.65

DIFFERENTIAL CORRECTIONS
 TDE .0620 TRA-1.3320 TC3 -.9020 BAU .4447 SGT 1691.1 SGR 453.4 SG3 378.0 ST 396.4 SR 293.5 SS 228.6
 RDE -.2987 RRA .2149 RC3 .2358 FAU .13697 RRT -.7748 RRF -.8141 RTF .8964 CRT -.3605 CRS .7652 CST -.8688
 FDE .4391 FRA-1.8295 FC3-3.3238 BSP 4990 SGB 1750.8 R23 .1580 R13 -.9024 LSA 476.0 MSA 261.8 SSA 20.3
 BDE .3050 BRA 1.3492 BC3 .9323 FSP -1211 SG1 1728.2 SG2 280.5 THA 167.94 EL1 420.2 EL2 258.2 ALF 155.13

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.748 GAL -11.02 AZL 87.88 MCA 141.64 SMA 135.78 ECC .20813 INC 2.1165 V1 30.278
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.366 GAP 2.97 AZP 91.66 TAL 235.72 TAP 17.36 RCA 107.52 APO 164.03 V2 34.970
 RC 97.969 GL 10.20 GP 14.63 ZAL 156.72 ZAP 116.78 ETS 4.89 ZAE 148.33 ETE 162.02 ZAC 29.47 ETC 174.21 CLP-117.75

DISTANCE 299.371

PLANETOCENTRIC CONIC
 C3 34.653 VML 5.887 CLA -11.42 RAL 293.11 RAD 6568.4 VEL 12.491 PTH 2.26 VHP 3.891 DPA -8.62 RAP 296.13 ECC 1.5703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 4 1987.75 -13.50 27.61 161.58 115.13 2 46 11 1387.8 -10.00 20.67
 90.00 11 15 27 5356.51 27.73 244.42 168.44 84.03 12 44 44 4756.5 26.62 235.93
 100.00 3 28 38 1743.91 -14.76 9.05 160.96 116.29 3 57 42 1143.9 -11.11 2.17
 100.00 12 42 34 5075.58 29.12 223.57 168.26 82.94 14 7 9 4475.6 27.84 215.01
 110.00 4 23 51 1571.04 -18.07 354.11 159.13 119.52 4 50 2 971.0 -14.00 347.36
 110.00 14 3 51 4821.22 32.83 203.61 167.60 79.89 15 24 12 4221.2 31.09 194.82

DIFFERENTIAL CORRECTIONS
 TDE .0550 TRA-1.3897 TC3-1.0095 BAU .4826 SGT 1822.0 SGR 457.7 SG3 367.5 ST 418.9 SR 277.1 SS 216.0
 RDE -.2769 RRA .2140 RC3 .2572 FAU .13200 RRT -.8005 RRF -.8409 RTF .9002 CRT -.3545 CRS .7542 CST -.8733
 FDE .3840 FRA-1.7100 FC3-3.2976 BSP 5446 SGB 1878.6 R23 .1737 R13 -.9058 LSA 483.5 MSA 254.6 SSA 20.2
 BDE .2823 BRA 1.4061 BC3 1.0417 FSP -1183 SG1 1859.2 SG2 268.8 THA 168.38 EL1 436.4 EL2 248.7 ALF 160.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LCL 91.98 VL 28.691 GAL -10.85 AZL 88.03 HCA 144.83 SMA 135.33 ECC .20680 INC 1.9742 V1 30.278
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.312 GAP 3.30 AZP 91.61 TAL 234.66 TAP 19.49 RCA 107.34 APO 163.31 V2 34.957
 RC 100.323 GL 9.64 GP 15.44 ZAL 156.33 ZAP 119.90 ETS 6.44 ZAE 146.06 ETE 161.87 ZAC 117.15 ETC 273.06 CLP-121.14

DISTANCE 305.488

PLANETOCENTRIC CONIC
 C3 33.611 VHL 5.797 DLA -11.86 RAL 293.89 RAD 6568.3 VEL 12.449 PTH 2.25 VHP 3.972 DPA -7.84 RAP 295.83 ECC 1.5531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 50 1965.29 -12.84 26.28 161.86 115.45 2 52 35 1365.3 -9.31 19.38
 90.00 11 14 52 5363.56 27.78 244.93 168.83 84.28 12 44 15 4763.6 26.70 236.43
 100.00 3 35 9 1722.30 -14.10 7.78 161.23 116.63 4 3 51 1122.3 -10.41 .93
 100.00 12 42 14 5081.78 29.17 224.03 168.66 83.17 14 6 56 4481.8 27.92 215.45
 110.00 4 29 46 1551.24 -17.40 352.96 159.38 119.90 4 55 37 951.2 -13.30 346.26
 110.00 14 4 6 4825.60 32.88 203.94 168.02 80.08 15 24 32 4225.6 31.16 195.14

DIFFERENTIAL CORRECTIONS
 TOE .0443 TRA-1.4392 TC3-1.1182 BAU .5179 SGT 1948.1 SGR 462.6 SG3 354.3 ST 439.9 SR 260.2 SS 203.0
 RDE -.2550 RRA .2110 RC3 .2795 FAU .12611 RRT -.8223 RRF -.8660 RTF .9020 CRT -.3432 CRS .7480 CST -.8714
 FDE .3354 FRA-1.5734 FC3-3.2483 BSP 5838 SGB 2002.3 R23 .1950 R13 -.9074 LSA 491.6 MSA 245.6 SSA 20.0
 BOE .2588 BRA 1.4546 BC3 1.1526 FSP -1128 SG1 1985.5 SG2 258.3 THA 168.76 EL1 452.5 EL2 237.5 ALF 164.01

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LCL 91.98 VL 28.633 GAL -10.66 AZL 88.19 HCA 148.02 SMA 134.87 ECC .20551 INC 1.8078 V1 30.278
 RP 108.44 LAP .96 LOP 240.01 VP 38.257 GAP 3.63 AZP 91.53 TAL 233.54 TAP 21.56 RCA 107.15 APO 162.59 V2 34.945
 RC 102.682 GL 8.95 GP 16.41 ZAL 155.91 ZAP 122.73 ETS 8.20 ZAE 143.93 ETE 161.48 ZAC 118.12 ETC 273.11 CLP-124.31

DISTANCE 311.580

PLANETOCENTRIC CONIC
 C3 32.550 VHL 5.705 DLA -12.42 RAL 294.74 RAD 6568.3 VEL 12.407 PTH 2.24 VHP 4.062 DPA -6.87 RAP 295.72 ECC 1.5357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 56 1938.33 -12.05 24.70 162.20 115.82 3 0 14 1338.3 -8.48 17.84
 90.00 11 13 31 5374.36 27.85 245.71 169.32 84.67 12 43 6 4774.4 26.82 237.19
 100.00 3 42 54 1696.45 -13.31 6.27 161.56 117.02 4 11 10 1096.5 -9.58 359.47
 100.00 12 41 14 5091.47 29.25 224.74 169.16 83.54 14 6 6 4491.5 28.05 216.14
 110.00 4 36 46 1527.76 -16.60 351.61 159.69 120.32 5 2 14 927.8 -12.45 344.96
 110.00 14 3 52 4832.92 32.97 204.49 168.54 80.40 15 24 25 4232.9 31.29 195.67

DIFFERENTIAL CORRECTIONS
 TOE .0236 TRA-1.4840 TC3-1.2341 BAU .5533 SGT 2076.6 SGR 470.6 SG3 341.8 ST 460.4 SR 240.7 SS 187.1
 RDE -.2308 RRA .2080 RC3 .3061 FAU .12049 RRT -.8429 RRF -.8904 RTF .9035 CRT -.3186 CRS .7212 CST -.8766
 FDE .2698 FRA-1.4450 FC3-3.2046 BSP 6287 SGB 2129.3 R23 .2188 R13 -.9088 LSA 500.1 MSA 233.2 SSA 20.0
 BOE .2320 BRA 1.4985 BC3 1.2715 FSP -1093 SG1 2114.7 SG2 248.6 THA 169.03 EL1 468.7 EL2 224.1 ALF 167.68

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LCL 91.98 VL 28.573 GAL -10.47 AZL 88.39 HCA 151.21 SMA 134.40 ECC .20427 INC 1.6088 V1 30.278
 RP 108.48 LAP .77 LOP 243.20 VP 38.201 GAP 3.94 AZP 91.41 TAL 232.37 TAP 23.58 RCA 106.95 APO 161.85 V2 34.932
 RC 105.043 GL 8.08 GP 17.62 ZAL 155.47 ZAP 125.26 ETS 10.25 ZAE 141.90 ETE 160.81 ZAC 119.29 ETC 273.22 CLP-127.27

DISTANCE 317.647

PLANETOCENTRIC CONIC
 C3 31.472 VHL 5.610 DLA -13.14 RAL 295.67 RAD 6568.3 VEL 12.363 PTH 2.23 VHP 4.164 DPA -5.65 RAP 295.77 ECC 1.5180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 51 1905.17 -11.06 22.77 162.61 116.23 3 9 36 1305.2 -7.45 15.95
 90.00 11 11 2 5390.56 27.95 246.89 169.94 85.25 12 40 52 4790.6 27.00 238.35
 100.00 3 52 21 1664.79 -12.32 4.44 161.96 117.45 4 20 6 1064.8 -8.55 357.68
 100.00 12 39 13 5106.18 29.36 225.82 169.79 84.09 14 4 19 4506.2 28.23 217.20
 110.00 4 45 13 1499.23 -15.61 349.99 160.07 120.80 5 10 12 899.2 -11.41 343.40
 110.00 14 2 50 4844.50 33.09 205.37 169.22 80.90 15 23 35 4244.5 31.48 196.52

DIFFERENTIAL CORRECTIONS
 TOE -.0050 TRA-1.5194 TC3-1.3536 BAU .5868 SGT 2201.3 SGR 481.3 SG3 327.8 ST 480.2 SR 219.7 SS 170.1
 RDE -.2055 RRA .2033 RC3 .3360 FAU .11441 RRT -.8601 RRF -.9130 RTF .9039 CRT -.2846 CRS .6822 CST -.8841
 FDE .2021 FRA-1.3095 FC3-3.1472 BSP 6699 SGB 2253.3 R23 .2472 R13 -.9092 LSA 510.0 MSA 217.6 SSA 20.1
 BOE .2056 BRA 1.5329 BC3 1.3946 FSP -1046 SG1 2240.3 SG2 241.3 THA 169.22 EL1 485.2 EL2 208.5 ALF 170.89

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LCL 91.98 VL 28.512 GAL -10.27 AZL 88.63 HCA 154.40 SMA 133.93 ECC .20308 INC 1.3651 V1 30.278
 RP 108.52 LAP .59 LOP 246.38 VP 38.144 GAP 4.23 AZP 91.23 TAL 231.16 TAP 25.55 RCA 106.73 APO 161.12 V2 34.920
 RC 107.406 GL 6.97 GP 19.12 ZAL 155.01 ZAP 127.45 ETS 12.68 ZAE 139.93 ETE 159.83 ZAC 120.75 ETC 273.40 CLP-130.06

DISTANCE 323.692

PLANETOCENTRIC CONIC
 C3 30.379 VHL 5.512 DLA -14.10 RAL 296.70 RAD 6568.2 VEL 12.319 PTH 2.22 VHP 4.278 DPA -4.11 RAP 295.95 ECC 1.5000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 21 1863.16 -9.78 20.34 163.14 116.71 3 21 25 1263.2 -6.12 13.57
 90.00 11 6 46 5414.81 28.07 248.65 170.74 86.13 12 37 1 4814.8 27.24 240.08
 100.00 4 4 13 1624.85 -11.06 2.15 162.48 117.95 4 31 18 1024.8 -7.23 355.45
 100.00 12 35 35 5128.36 29.50 227.45 170.61 84.94 14 1 4 4528.4 28.49 218.79
 110.00 4 55 42 1463.60 -14.36 347.99 160.55 121.36 5 20 5 863.6 -10.11 341.47
 110.00 14 0 36 4862.36 33.28 206.73 170.09 81.69 15 21 38 4262.4 31.77 197.83

DIFFERENTIAL CORRECTIONS
 TOE -.0431 TRA-1.5420 TC3-1.4753 BAU .6177 SGT 2319.2 SGR 494.6 SG3 311.4 ST 500.2 SR 197.1 SS 152.0
 RDE -.1793 RRA .1958 RC3 .3694 FAU .10758 RRT -.8725 RRF -.9332 RTF .9028 CRT -.2378 CRS .6274 CST -.8927
 FDE .1349 FRA-1.1604 FC3-3.0659 BSP 7027 SGB 2371.3 R23 .2807 R13 -.9083 LSA 521.8 MSA 198.9 SSA 20.1
 BOE .1844 BRA 1.5544 BC3 1.5209 FSP -974 SG1 2359.4 SG2 237.6 THA 169.35 EL1 502.8 EL2 190.5 ALF 173.74

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.450 GAL -10.07 AZL 88.94 HCA 157.58 SMA 133.45 ECC .20194 INC 1.0576 V1 30.278
 RP 108.56 LAP .40 LOP 249.56 VP 38.086 GAP 4.52 AZP 90.98 TAL 229.91 TAP 27.48 RCA 106.50 APO 160.40 V2 34.909
 RC 109.770 GL 5.48 GP 21.05 ZAL 154.50 ZAP 129.25 ETS 15.60 ZAE 137.93 ETE 158.49 ZAC 30.69 ETC 184.89 CLP-132.69

PLANETOCENTRIC CONIC
 C3 29.283 VHL 5.411 OLA -15.39 RAL 297.86 RAD 6568.2 VEL 12.274 PTH 2.21 VHP 4.412 DPA -2.12 RAP 296.20 ECC 1.4819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 46 1807.88 -8.08 17.17 163.86 117.23 3 36 54 1207.9 -4.36 10.46
 90.00 10 59 38 5451.67 28.21 251.34 171.79 87.47 12 30 29 4851.7 27.56 242.73
 100.00 4 19 42 1572.60 -9.37 359.18 163.17 118.51 4 45 54 972.6 -5.49 352.54
 100.00 12 29 24 5162.18 29.68 229.95 171.70 86.25 13 55 26 4562.2 28.84 221.25
 110.00 5 9 11 1417.59 -12.72 345.44 161.18 122.00 5 32 48 817.6 -8.40 339.01
 110.00 13 56 24 4889.96 33.53 208.85 171.27 82.92 15 17 54 4290.0 32.19 199.87

DIFFERENTIAL CORRECTIONS
 TDE -.1086 TRA-1.5621 TC3-1.6169 BAU .6536 SGT 2453.2 SGR 519.7 SG3 299.0 ST 529.9 SR 167.0 SS 136.5
 RDE -.1456 RRA .1908 RC3 .4157 FAU .10204 RRT -.8856 RRF -.9523 RTF .9043 CRT -.1734 CRS .4411 CST -.9457
 FDE .0211 FRA-1.0429 FC3-3.0167 BSP 7614 SGB 2507.7 R23 .3098 R13 -.9100 LSA 546.5 MSA 167.9 SSA 21.1
 BDE .1816 BRA 1.5737 BC3 1.6695 FSP -970 SG1 2496.4 SG2 237.2 THA 169.28 EL1 530.8 EL2 164.2 ALF 176.54

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.386 GAL -9.86 AZL 89.35 HCA 160.76 SMA 132.97 ECC .20085 INC .6547 V1 30.278
 RP 108.59 LAP .22 LOP 252.73 VP 38.028 GAP 4.79 AZP 90.62 TAL 228.61 TAP 29.36 RCA 106.26 APO 159.67 V2 34.897
 RC 112.133 GL 3.45 GP 23.59 ZAL 153.92 ZAP 130.55 ETS 19.20 ZAE 135.79 ETE 156.68 ZAC 31.73 ETC 188.58 CLP-135.19

PLANETOCENTRIC CONIC
 C3 28.200 VHL 5.310 OLA -17.21 RAL 299.21 RAD 6568.1 VEL 12.230 PTH 2.20 VHP 4.575 DPA .48 RAP 296.47 ECC 1.4641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 35 1731.35 -5.67 12.84 164.93 117.79 3 58 26 1131.4 -1.91 6.18
 90.00 10 47 35 5509.37 28.31 251.55 173.23 89.58 12 19 25 4909.4 27.96 246.91
 100.00 4 41 0 1500.88 -7.02 355.16 164.19 119.13 5 6 1 900.9 -3.08 348.59
 100.00 12 18 51 5215.07 29.85 233.87 173.20 88.30 13 45 46 4615.1 29.29 225.11
 110.00 5 27 25 1355.46 -10.45 342.05 162.11 122.73 5 50 1 755.5 -6.06 335.71
 110.00 13 48 55 4933.26 33.84 212.19 172.92 84.87 15 11 9 4333.3 32.76 203.12

DIFFERENTIAL CORRECTIONS
 TDE -.1930 TRA-1.5592 TC3-1.7561 BAU .6851 SGT 2573.6 SGR 548.8 SG3 281.0 ST 570.6 SR 133.6 SS 130.7
 RDE -.1093 RRA .1799 RC3 .4670 FAU .09478 RRT -.8910 RRF -.9674 RTF .9034 CRT -.1115 CRS .1989 CST -.9801
 FDE -.0871 FRA -.8945 FC3-2.9096 BSP 8015 SGB 2631.5 R23 .3417 R13 -.9097 LSA 585.1 MSA 133.1 SSA 22.5
 BDE .2218 BRA 1.5695 BC3 1.8171 FSP -910 SG1 2620.1 SG2 244.8 THA 169.15 EL1 570.8 EL2 132.7 ALF 178.42

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.322 GAL -9.64 AZL 89.90 HCA 163.93 SMA 132.48 ECC .19982 INC .1023 V1 30.278
 RP 108.63 LAP .03 LOP 255.91 VP 37.970 GAP 5.05 AZP 90.10 TAL 227.27 TAP 31.21 RCA 106.01 APO 158.96 V2 34.886
 RC 114.493 GL .53 GP 27.04 ZAL 153.14 ZAP 131.14 ETS 23.69 ZAE 133.32 ETE 154.29 ZAC 33.22 ETC 193.23 CLP-137.61

PLANETOCENTRIC CONIC
 C3 27.191 VHL 5.214 OLA -19.87 RAL 300.85 RAD 6568.1 VEL 12.189 PTH 2.19 VHP 4.787 DPA 3.99 RAP 296.65 ECC 1.4475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 4 10 1616.81 -2.00 6.42 166.70 118.25 4 31 7 1016.8 1.79 359.79
 90.00 10 26 3 5605.76 28.16 262.60 175.28 93.11 11 59 29 5005.8 28.29 253.94
 100.00 5 12 52 1395.12 -3.48 349.31 165.88 119.71 5 36 7 795.1 .50 342.78
 100.00 12 0 3 5302.68 29.85 240.38 175.36 91.73 13 28 25 4702.7 29.77 231.58
 110.00 5 53 57 1266.34 -7.13 337.28 163.62 123.52 6 15 4 666.3 -2.68 331.03
 110.00 13 35 26 5004.22 34.14 217.71 175.35 88.12 14 58 51 4404.2 33.50 208.53

DIFFERENTIAL CORRECTIONS
 TDE -.3208 TRA-1.5348 TC3-1.9011 BAU .7175 SGT 2696.4 SGR 589.8 SG3 260.7 ST 645.9 SR 91.0 SS 152.8
 RDE -.0621 RRA .1649 RC3 .5305 FAU .08674 RRT -.8918 RRF -.9794 RTF .9032 CRT -.1363 CRS -.0160 CST -.9734
 FDE -.2260 FRA -.7399 FC3-2.7618 BSP 8466 SGB 2760.1 R23 .3676 R13 -.9102 LSA 662.9 MSA 93.2 SSA 25.0
 BDE .3267 BRA 1.5436 BC3 1.9737 FSP -849 SG1 2747.7 SG2 261.9 THA 168.86 EL1 646.0 EL2 90.1 ALF 178.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.257 GAL -9.41 AZL 90.72 HCA 167.11 SMA 132.00 ECC .19886 INC .7188 V1 30.278
 RP 108.66 LAP -.16 LOP 259.08 VP 37.912 GAP 5.30 AZP 89.30 TAL 225.90 TAP 33.01 RCA 105.75 APO 158.25 V2 34.875
 RC 116.852 GL -3.90 GP 31.90 ZAL 151.81 ZAP 130.60 ETS 29.38 ZAE 130.13 ETE 151.18 ZAC 35.41 ETC 199.21 CLP-140.05

PLANETOCENTRIC CONIC
 C3 26.423 VHL 5.140 OLA -23.98 RAL 303.00 RAD 6568.1 VEL 12.157 PTH 2.18 VHP 5.097 DPA 8.89 RAP 296.54 ECC 1.4349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 42 1415.88 4.47 355.20 170.32 117.99 5 30 18 815.9 8.18 348.49
 90.00 9 40 41 5792.47 26.73 276.06 178.14 99.70 11 17 13 5192.5 27.80 267.56
 100.00 6 8 18 1217.03 2.55 339.53 169.26 119.79 6 28 35 617.0 6.50 332.97
 100.00 11 21 46 5466.55 28.90 252.46 178.52 98.01 12 52 52 4866.6 29.70 243.75
 110.00 6 37 31 1125.42 -1.78 329.88 166.55 124.14 6 56 16 525.4 2.71 323.68
 110.00 13 9 2 5130.93 33.98 227.60 179.15 93.97 14 34 33 4530.9 34.16 218.36

DIFFERENTIAL CORRECTIONS
 TDE -.5215 TRA-1.4727 TC3-2.0338 BAU .7495 SGT 2817.4 SGR 644.6 SG3 234.9 ST 795.2 SR 55.0 SS 219.8
 RDE .0049 RRA .1405 RC3 .6044 FAU .07692 RRT -.8867 RRF -.9877 RTF .9036 CRT -.7332 CRS .5310 CST -.9493
 FDE -.4011 FRA -.5677 FC3-2.5201 BSP 8907 SGB 2890.2 R23 .3845 R13 -.9118 LSA 823.3 MSA 73.8 SSA 21.5
 BDE .5216 BRA 1.4794 BC3 2.1217 FSP -769 SG1 2875.4 SG2 292.1 THA 168.41 EL1 796.2 EL2 37.3 ALF 177.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.192 GAL -9.18 AZL 92.06 HCA 170.27 SMA 131.52 ECC .19794 INC 2.0602 VI 30.278
 RP 108.69 LAP -.35 LOP 262.25 VP 37.854 GAP 5.54 AZP 87.97 TAL 224.49 TAP 34.76 RCA 105.49 APO 157.55 V2 34.865
 RC 119.206 GL -11.21 GP 39.09 ZAL 148.88 ZAP 128.16 ETS 36.58 ZAE 125.48 ETE 147.30 ZAC 38.93 ETC 207.02 CLP-142.76

PLANETOCENTRIC CONIC
 C3 26.486 VHL 5.146 DLA -30.81 RAL 306.27 RAD 6568.1 VEL 12.160 PTH 2.18 VHP 5.630 DPA 16.05 RAP 295.76 ECC 1.4359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.33 5 55 29 1286.40 19.40 353.26 180.06 114.41 6 16 55 686.4 22.53 345.79
 102.67 9 17 59 635.07 19.41 305.22 180.07 114.41 9 28 34 35.1 22.54 297.75
 77.33 5 55 29 1286.40 19.40 353.26 180.06 114.41 6 16 55 686.4 22.53 345.79
 102.67 9 17 59 635.07 19.41 305.22 180.07 114.41 9 28 34 35.1 22.54 297.75
 110.00 8 12 15 841.28 9.00 314.96 174.19 123.12 8 26 16 241.3 13.30 308.49
 110.00 12 0 23 5416.23 30.53 249.06 184.59 106.18 13 30 40 4816.2 32.44 240.36

DIFFERENTIAL CORRECTIONS
 TOE -.8754 TRA-1.3410 TC3-2.0995 BAU .7803 SGT 2939.5 SGR 712.0 SG3 199.4 ST 1107.2 SR 134.7 SS 346.2
 ROE .1150 RRA .0940 RC3 .6701 FAU .06388 RRT -.8730 RRF -.9914 RTF .9061 CRT -.9731 CRS .9952 CST -.9584
 FDE -.6235 FRA -.3669 FC3-2.0881 BSP 9354 SGB 3024.5 R23 .3888 R13 -.9158 LSA 1163.7 HSA 98.2 SSA 9.1
 BDE .8829 BRA 1.3443 BC3 2.2038 FSP -.655 SG1 3005.4 SG2 339.7 THA 167.90 EL1 1114.9 EL2 30.8 ALF 173.24

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.127 GAL -8.93 AZL 94.67 HCA 173.43 SMA 131.04 ECC .19707 INC 4.6726 VI 30.278
 RP 108.72 LAP -.33 LOP 265.42 VP 37.797 GAP 5.77 AZP 85.36 TAL 223.05 TAP 36.47 RCA 105.22 APO 156.87 V2 34.856
 RC 121.557 GL -24.37 GP 50.28 ZAL 141.23 ZAP 122.30 ETS 45.78 ZAE 117.75 ETE 143.35 ZAC 45.04 ETC 217.44 CLP-146.72

PLANETOCENTRIC CONIC
 C3 30.095 VHL 5.486 DLA -43.00 RAL 312.89 RAD 6568.2 VEL 12.307 PTH 2.22 VHP 6.799 DPA 26.99 RAP 293.17 ECC 1.4933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.17 4 24 50 1667.53 24.98 27.23 192.90 126.22 4 52 38 1067.5 29.52 20.23
 123.83 11 41 27 5605.73 25.00 261.33 192.91 126.21 13 14 52 5005.7 29.54 254.33
 56.17 4 24 50 1667.53 24.98 27.23 192.90 126.22 4 52 38 1067.5 29.52 20.23
 123.83 11 41 27 5605.73 25.00 261.33 192.91 126.21 13 14 52 5005.7 29.54 254.33
 56.17 4 24 50 1667.53 24.98 27.23 192.90 126.22 4 52 38 1067.5 29.52 20.23
 123.83 11 41 27 5605.73 25.00 261.33 192.91 126.21 13 14 52 5005.7 29.54 254.33

DIFFERENTIAL CORRECTIONS
 TOE-1.6381 TRA-1.0420 TC3-1.8911 BAU .8024 SGT 3073.5 SGR 773.2 SG3 150.1 ST 1769.3 SR 339.3 SS 553.2
 ROE .3242 RRA -.0100 RC3 .6334 FAU .04591 RRT -.8416 RRF -.9844 RTF .9172 CRT -.9641 CRS .9972 CST -.9812
 FDE -.8990 FRA -.1337 FC3-1.3207 BSP 9875 SGB 3169.3 R23 .3676 R13 -.9278 LSA 1879.9 HSA 131.8 SSA 3.0
 BDE 1.6699 BRA 1.0420 BC3 1.9943 FSP -.496 SG1 3142.9 SG2 408.3 THA 167.84 EL1 1799.3 EL2 88.6 ALF 169.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 28.061 GAL -8.67 AZL 102.00 HCA 176.54 SMA 130.57 ECC .19618 INC11.9993 VI 30.278
 RP 108.75 LAP -.72 LOP 268.59 VP 37.740 GAP 5.99 AZP 78.02 TAL 221.55 TAP 38.09 RCA 104.95 APO 156.18 V2 34.846
 RC 123.903 GL -47.97 GP 67.94 ZAL 122.23 ZAP 110.69 ETS 61.70 ZAE 103.25 ETE 146.21 ZAC 55.75 ETC 235.64 CLP-160.21

PLANETOCENTRIC CONIC
 C3 60.295 VHL 7.765 DLA -62.61 RAL 336.87 RAD 6569.1 VEL 13.478 PTH 2.46 VHP 10.883 DPA 43.72 RAP 283.73 ECC 1.9923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.50 4 44 24 2014.35 23.27 61.96 233.98 149.95 5 17 58 1414.3 30.13 57.75
 148.50 14 33 12 5606.86 23.28 259.36 234.00 149.95 16 6 39 5006.9 30.14 255.15
 31.50 4 44 24 2014.35 23.27 61.96 233.98 149.95 5 17 58 1414.3 30.13 57.75
 148.50 14 33 12 5606.86 23.28 259.36 234.00 149.95 16 6 39 5006.9 30.14 255.15
 31.50 4 44 24 2014.35 23.27 61.96 233.98 149.95 5 17 58 1414.3 30.13 57.75
 148.50 14 33 12 5606.86 23.28 259.36 234.00 149.95 16 6 39 5006.9 30.14 255.15

DIFFERENTIAL CORRECTIONS
 TOE-3.9783 TRA -.0347 TC3 -.8682 BAU .7200 SGT 3230.8 SGR 595.0 SG3 88.1 ST 2935.8 SR 287.3 SS 793.9
 ROE .3485 RRA -.2657 RC3 .2098 FAU .02205 RRT -.8089 RRF -.8051 RTF .9603 CRT -.8927 CRS .9311 CST -.9956
 FDE-1.1608 FRA .1579 FC3 -.3166 BSP 10149 SGB 3285.1 R23 .2620 R13 -.9647 LSA 3051.3 HSA 146.4 SSA .8
 BDE 3.9935 BRA .2680 BC3 .8932 FSP -.281 SG1 3251.4 SG2 468.9 THA 173.47 EL1 2947.0 EL2 129.0 ALF 175.00

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 27.996 GAL -8.28 AZL 166.39 HCA 179.07 SMA 130.10 ECC .19382 INC76.3924 VI 30.278
 RP 108.78 LAP -.90 LOP 271.76 VP 37.683 GAP 6.02 AZP 13.61 TAL 219.72 TAP 38.80 RCA 104.88 APO 155.31 V2 34.838
 RC 126.245 GL -48.19 GP 52.42 ZAL 96.27 ZAP 94.69 ETS 171.53 ZAE 57.18 ETE 245.60 ZAC 70.20 ETC 355.38 CLP 97.70

PLANETOCENTRIC CONIC
 C31305.077 VHL 36.126 DLA -45.90 RAL 18.19 RAD 6573.1 VEL 37.767 PTH 3.54 VHP 46.518 DPA 45.38 RAP 217.81 ECC22.4783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.23 8 30 6 2286.66 -.83 59.24 288.98 135.90 9 8 13 1686.7 4.91 54.08
 127.77 16 17 11 856.70 -.82 308.14 289.00 135.90 16 31 28 256.7 4.92 302.98
 52.23 8 30 6 2286.66 -.83 59.24 288.98 135.90 9 8 13 1686.7 4.91 54.08
 127.77 16 17 11 856.70 -.82 308.14 289.00 135.90 16 31 28 256.7 4.92 302.98
 52.23 8 30 6 2286.66 -.83 59.24 288.98 135.90 9 8 13 1686.7 4.91 54.08
 127.77 16 17 11 856.70 -.82 308.14 289.00 135.90 16 31 28 256.7 4.92 302.98

DIFFERENTIAL CORRECTIONS
 TOE 4.5670 TRA -.6457 TC3 -.0692 BAU 3.2618 SGT 892.5 SGR 2602.8 SG3 46.6 ST 725.8 SR 1334.8 SS 1071.5
 ROE-7.5712 RRA 8.5060 RC3 .1737 FAU-.05195 RRT -.7674 RRF .9991 RTF -.7400 CRT -.9249 CRS -.9993 CST .9100
 FDE-1.4837 FRA 1.8291 FC3 .0345 BSP 9653 SGB 2751.6 R23 -.0980 R13 .9951 LSA 1839.8 HSA 267.7 SSA .6
 BDE 8.8420 BRA 8.5305 BC3 .1869 FSP -171 SG1 2695.5 SG2 552.5 THA 105.41 EL1 1499.3 EL2 245.7 ALF 117.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 24 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 377.434

RL 147.14 LAL .00 LOL 91.98 VL 27.930 GAL -8.21 AZL 69.85 MCA 183.14 SMA 129.63 ECC .19565 INC20.1488 V1 30.278
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.627 GAP 6.49 AZP 110.12 TAL 218.67 TAP 41.81 RCA 104.27 APO 154.99 V2 34.830
 RC 128.581 GL 58.55 GP -68.77 ZAL 110.45 ZAP 110.67 ETS 275.14 ZAE 96.35 ETE 195.29 ZAC 84.53 ETC 103.18 CLP-167.12

PLANETOCENTRIC CONIC

C3 124.595 VHL 11.162 DLA 40.47 RAL 301.67 RAD 6570.3 VEL 15.682 PTH 2.79 VHP 11.661 DPA -84.80 RAP 51.08 ECC 3.0503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.78 15 53 40 4604.23 -9.96 209.19 199.81 50.56 17 10 24 4004.2 -14.97 203.22
 120.22 22 39 10 3339.89 -9.94 112.81 199.80 50.56 23 34 50 2739.9 -14.95 106.84
 59.78 15 53 40 4604.23 -9.96 209.19 199.81 50.56 17 10 24 4004.2 -14.97 203.22
 120.22 22 39 10 3339.89 -9.94 112.81 199.80 50.56 23 34 50 2739.9 -14.95 106.84
 59.78 15 53 40 4604.23 -9.96 209.19 199.81 50.56 17 10 24 4004.2 -14.97 203.22
 120.22 22 39 10 3339.89 -9.94 112.81 199.80 50.56 23 34 50 2739.9 -14.95 106.84

DIFFERENTIAL CORRECTIONS

TDE 4.8103 TRA-3.1703 TC3 -.2896 BAU .4836
 RDE -.9314 RRA 1.4103 RC3 .0202 FAU .01656
 FDE 1.4696 FRA -.6659 FC3 -.1151 BSP 10531
 BOE 4.8996 BRA 3.4699 BC3 .2903 FSP -262

MID-COURSE EXECUTION ACCURACY

SGT 3330.3 SGR 1066.0 SG3 79.0
 RRT -.9142 RRF -.8202 RTF .9814
 SGB 3496.7 R23 -.2246 R13 -.9740
 SG1 3472.1 SG2 414.3 THA 163.45

ORBIT DETERMINATION ACCURACY

ST 2551.2 SR 556.9 SS 772.1
 CRT -.9599 CRS .9353 CST -.9970
 LSA 2718.0 MSA 166.6 SSA .8
 EL1 2606.8 EL2 152.7 ALF 168.13

LAUNCH DATE DEC 24 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 383.244

RL 147.14 LAL .00 LOL 91.98 VL 27.865 GAL -7.93 AZL 78.36 MCA 186.24 SMA 129.17 ECC .19498 INC11.6443 V1 30.278
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.571 GAP 6.68 AZP 101.58 TAL 217.09 TAP 43.33 RCA 103.98 APO 154.35 V2 34.822
 RC 130.911 GL 48.30 GP -49.13 ZAL 120.20 ZAP 125.94 ETS 299.44 ZAE 112.37 ETE 209.16 ZAC 72.10 ETC 126.17 CLP-153.76

PLANETOCENTRIC CONIC

C3 55.666 VHL 7.461 DLA 29.40 RAL 301.28 RAD 6569.0 VEL 13.305 PTH 2.43 VHP 7.230 DPA -68.37 RAP 331.84 ECC 1.9161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.74 18 7 2 4010.19 -13.23 165.08 186.65 63.50 19 13 52 3410.2 -16.68 158.02
 98.26 20 22 42 3571.92 -13.21 132.89 186.64 63.49 21 22 14 2971.9 -16.66 125.84
 100.00 21 21 40 3383.09 -17.73 121.13 188.88 65.53 22 18 3 2783.1 -20.89 113.76
 100.00 19 50 45 3674.25 -8.79 138.12 184.29 61.31 20 52 0 3074.3 -12.55 131.35
 110.00 0 3 44 2887.65 -28.06 88.18 193.50 69.63 0 51 52 2287.7 -30.57 79.88
 110.00 19 29 6 3742.45 .75 137.43 178.46 55.82 20 31 29 3142.5 -3.74 131.22

DIFFERENTIAL CORRECTIONS

TDE 2.7069 TRA-2.8052 TC3-1.0059 BAU .7526
 RDE .2931 RRA .2387 RC3 -.1039 FAU .03930
 FDE 1.4753 FRA -.7271 FC3 -.6112 BSP 11006
 BOE 2.7227 BRA 2.8154 BC3 1.0112 FSP -460

MID-COURSE EXECUTION ACCURACY

SGT 3562.1 SGR 344.9 SG3 137.3
 RRT .1468 RRF .4771 RTF .9377
 SGB 3578.8 R23 .3419 R13 .9382
 SG1 3562.5 SG2 341.1 THA .82

ORBIT DETERMINATION ACCURACY

ST 2207.6 SR 233.8 SS 718.0
 CRT .8162 CRS -.9041 CST -.9848
 LSA 2326.4 MSA 177.2 SSA 1.4
 EL1 2215.9 EL2 134.6 ALF 4.96

LAUNCH DATE DEC 24 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 389.088

RL 147.14 LAL .00 LOL 91.98 VL 27.800 GAL -7.65 AZL 81.20 MCA 189.38 SMA 128.72 ECC .19452 INC 8.7987 V1 30.278
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.517 GAP 6.88 AZP 98.68 TAL 215.51 TAP 44.90 RCA 103.68 APO 153.75 V2 34.816
 RC 133.236 GL 41.73 GP -36.46 ZAL 124.75 ZAP 135.65 ETS 308.22 ZAE 120.27 ETE 206.37 ZAC 64.98 ETC 134.32 CLP-152.76

PLANETOCENTRIC CONIC

C3 40.092 VHL 6.332 DLA 22.99 RAL 302.97 RAD 6568.5 VEL 12.707 PTH 2.31 VHP 6.120 DPA -55.65 RAP 325.64 ECC 1.6598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 53 23 3201.29 -26.07 110.83 185.77 78.54 22 46 44 2601.3 -27.39 102.41
 90.00 16 49 52 4216.64 .58 172.91 176.00 61.69 18 0 9 3616.6 -3.21 166.28
 100.00 23 32 12 2882.69 -28.25 87.86 186.24 79.79 24 20 14 2282.7 -29.37 79.24
 100.00 17 53 45 4010.47 2.51 156.68 174.93 60.20 19 0 35 3410.5 -1.47 150.16
 110.00 1 19 55 2557.99 -33.51 64.14 187.17 82.81 2 2 33 1958.0 -34.14 54.95
 110.00 18 26 27 3907.93 7.04 146.11 172.12 56.46 19 31 35 3307.9 2.58 139.86

DIFFERENTIAL CORRECTIONS

TDE 2.0118 TRA-2.5391 TC3-1.5295 BAU .8227
 RDE .2568 RRA .1223 RC3 -.1285 FAU .05230
 FDE 1.4201 FRA -.7058 FC3-1.1295 BSP 11388
 BOE 2.0281 BRA 2.5421 BC3 1.5349 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 3646.3 SGR 308.1 SG3 176.6
 RRT .3901 RRF .7113 RTF .9179
 SGB 3659.3 R23 .3812 R13 .9189
 SG1 3648.3 SG2 283.5 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 1969.3 SR 235.2 SS 688.8
 CRT .8556 CRS -.9509 CST -.9738
 LSA 2091.0 MSA 188.4 SSA 2.6
 EL1 1979.6 EL2 121.1 ALF 5.86

LAUNCH DATE DEC 24 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 394.933

RL 147.14 LAL .00 LOL 91.98 VL 27.735 GAL -7.36 AZL 82.62 MCA 192.54 SMA 128.27 ECC .19420 INC 7.3753 V1 30.278
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.463 GAP 7.08 AZP 97.20 TAL 213.92 TAP 46.46 RCA 103.36 APO 153.18 V2 34.809
 RC 135.553 GL 37.62 GP -28.37 ZAL 126.78 ZAP 141.81 ETS 314.34 ZAE 124.35 ETE 202.40 ZAC 61.43 ETC 139.97 CLP-153.30

PLANETOCENTRIC CONIC

C3 33.459 VHL 5.784 DLA 19.21 RAL 304.79 RAD 6568.3 VEL 12.443 PTH 2.25 VHP 5.737 DPA -47.31 RAP 324.29 ECC 1.5506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 47 9 2986.52 -28.06 95.45 182.97 85.99 23 36 56 2986.5 -28.32 86.79
 90.00 16 10 37 4340.04 4.54 179.81 173.57 62.02 17 22 57 3740.0 .77 173.16
 100.00 0 24 19 2685.88 -29.77 73.45 183.08 87.21 1 9 5 2085.9 -29.84 64.65
 100.00 17 20 4 4115.91 6.05 162.50 172.74 60.67 18 28 40 3515.9 2.10 155.95
 110.00 1 58 16 2391.92 -34.18 51.23 183.19 90.41 2 38 8 1791.9 -33.75 42.02
 110.00 18 2 36 3982.63 9.83 150.10 170.44 57.09 19 8 59 3382.6 5.43 143.77

DIFFERENTIAL CORRECTIONS

TDE 1.6853 TRA-2.3837 TC3-1.9263 BAU .8629
 RDE .2063 RRA .0972 RC3 -.1024 FAU .05829
 FDE 1.3191 FRA -.6384 FC3-1.5082 BSP 11770
 BOE 1.6979 BRA 2.3837 BC3 1.9290 FSP -661

MID-COURSE EXECUTION ACCURACY

SGT 3742.3 SGR 257.3 SG3 197.0
 RRT .3638 RRF .6912 RTF .9074
 SGB 3751.1 R23 .3861 R13 .9080
 SG1 3743.5 SG2 239.6 THA 1.44

ORBIT DETERMINATION ACCURACY

ST 1831.4 SR 206.7 SS 655.8
 CRT .8414 CRS -.9548 CST -.9639
 LSA 1946.3 MSA 196.1 SSA 3.9
 EL1 1839.6 EL2 111.2 ALF 5.44

LAUNCH DATE DEC 24 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 400.770

RL 147.14 LAL .00 LOL 91.98 VL 27.670 GAL -7.07 AZL 83.48 MCA 195.70 SMA 127.83 ECC .19398 INC 6.5177 V1 30.278
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.410 GAP 7.27 AZP 96.28 TAL 212.30 TAP 48.00 RCA 103.03 APO 152.62 V2 34.804
 RC 137.863 GL 34.90 GP -22.96 ZAL 127.48 ZAP 146.01 ETS 319.02 ZAE 126.57 ETE 198.97 ZAC 59.92 ETC 144.31 CLP-154.22

PLANETOCENTRIC CONIC

C3 29.676 VHL 5.448 DLA 16.89 RAL 306.60 RAD 6568.2 VEL 12.290 PTH 2.21 VHP 5.597 DPA -41.54 RAP 324.44 ECC 1.4884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 18 16 2865.93 -28.31 86.64 181.46 90.40 24 6 2 2265.9 -27.96 77.99
 90.00 15 53 54 4400.30 6.46 183.20 173.03 62.37 17 7 14 3800.3 2.71 176.53
 100.00 0 53 11 2572.54 -29.85 65.03 181.43 91.64 1 36 4 1972.5 -29.31 56.27
 100.00 17 5 36 4168.92 7.81 165.46 172.29 61.05 18 15 5 3568.9 3.89 158.86
 110.00 2 22 41 2292.52 -33.86 43.49 181.15 94.98 3 0 54 1692.5 -32.80 34.41
 110.00 17 52 35 4021.71 11.27 152.21 170.21 57.51 18 59 37 3421.7 6.90 145.84

DIFFERENTIAL CORRECTIONS

TDE 1.5068 TRA-2.2685 TC3-2.2475 BAU .8920
 RDE .1774 RRA .0869 RC3 -.0629 FAU .06027
 FDE 1.2232 FRA -.9524 FC3-1.7581 BSP 12047
 BDE 1.5172 BRA 2.2702 BC3 2.2484 FSP -684

MID-COURSE EXECUTION ACCURACY

SGT 3837.4 SGR 220.6 SG3 206.1
 RRT .2663 RRF .5955 RTF .9003
 SGB 3843.7 R23 .3683 R13 .9007
 SG1 3837.8 SG2 212.6 THA .88

ORBIT DETERMINATION ACCURACY

ST 1754.1 SR 188.8 SS 628.9
 CRT .8287 CRS -.9569 CST -.9553
 LSA 1862.0 MSA 202.2 SSA 5.2
 EL1 1761.1 EL2 105.3 ALF 5.12

LAUNCH DATE DEC 24 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 406.599

RL 147.14 LAL .00 LOL 91.98 VL 27.606 GAL -6.77 AZL 84.06 MCA 198.86 SMA 127.39 ECC .19388 INC 5.9419 V1 30.278
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.358 GAP 7.46 AZP 95.63 TAL 210.66 TAP 49.52 RCA 102.69 APO 152.09 V2 34.799
 RC 140.164 GL 33.02 GP -19.16 ZAL 127.40 ZAP 149.08 ETS 322.67 ZAE 127.83 ETE 196.21 ZAC 59.58 ETC 147.75 CLP-155.26

PLANETOCENTRIC CONIC

C3 27.128 VHL 5.208 DLA 15.45 RAL 308.40 RAD 6568.1 VEL 12.186 PTH 2.19 VHP 5.560 DPA -37.30 RAP 325.27 ECC 1.4465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 39 14 2790.40 -28.15 81.12 180.88 93.16 24 25 44 2190.4 -27.42 72.54
 90.00 15 47 19 4431.02 7.42 184.94 173.24 62.60 17 1 10 3831.0 3.70 178.25
 100.00 1 12 58 2500.79 -29.59 59.71 180.77 94.42 1 54 39 1900.8 -28.67 51.03
 100.00 17 0 11 4195.86 8.70 166.97 172.56 61.29 18 10 7 3595.9 -4.80 160.35
 110.00 2 40 3 2228.32 -33.37 38.54 180.29 97.87 3 17 11 1628.3 -31.93 29.61
 110.00 17 49 36 4041.10 11.97 153.27 170.60 57.74 18 56 57 3441.1 7.63 146.87

DIFFERENTIAL CORRECTIONS

TDE 1.3973 TRA-2.1754 TC3-2.5329 BAU .9187
 RDE .1626 RRA .0785 RC3 -.0235 FAU .06041
 FDE 1.1383 FRA -.4683 FC3-1.9277 BSP 12386
 BDE 1.4067 BRA 2.1768 BC3 2.5331 FSP -695

MID-COURSE EXECUTION ACCURACY

SGT 3935.5 SGR 201.5 SG3 209.6
 RRT .1475 RRF .4606 RTF .8955
 SGB 3940.7 R23 .3318 R13 .8956
 SG1 3935.6 SG2 199.3 THA .43

ORBIT DETERMINATION ACCURACY

ST 1709.9 SR 180.8 SS 607.1
 CRT .8244 CRS -.9611 CST -.9481
 LSA 1811.6 MSA 206.8 SSA 6.5
 EL1 1716.4 EL2 102.0 ALF 5.00

LAUNCH DATE DEC 24 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 412.419

RL 147.14 LAL .00 LOL 91.98 VL 27.543 GAL -6.46 AZL 84.47 MCA 202.02 SMA 126.97 ECC .19389 INC 5.5264 V1 30.278
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.308 GAP 7.65 AZP 95.13 TAL 209.01 TAP 51.03 RCA 102.35 APO 151.98 V2 34.795
 RC 142.456 GL 31.65 GP -16.36 ZAL 126.81 ZAP 151.49 ETS 325.55 ZAE 128.58 ETE 194.03 ZAC 59.97 ETC 150.52 CLP-156.33

PLANETOCENTRIC CONIC

C3 25.224 VHL 5.022 DLA 14.57 RAL 310.22 RAD 6568.0 VEL 12.108 PTH 2.17 VHP 5.573 DPA -34.01 RAP 326.49 ECC 1.4151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 54 31 2741.09 -27.92 77.54 180.92 94.94 24 40 12 2141.1 -26.94 69.01
 90.00 15 46 34 4444.29 7.84 185.69 173.87 62.70 17 0 38 3844.3 4.12 178.99
 100.00 1 27 37 2453.57 -29.29 56.23 180.76 96.23 2 8 30 1853.6 -28.12 47.63
 100.00 17 0 5 4207.05 9.06 167.60 173.21 61.39 18 10 12 3607.1 5.17 160.97
 110.00 2 53 20 2185.36 -32.92 35.27 180.17 99.76 3 29 45 1585.4 -31.23 26.46
 110.00 17 50 52 4048.02 12.22 153.65 171.32 57.83 18 58 20 3448.0 7.89 147.24

DIFFERENTIAL CORRECTIONS

TDE 1.3300 TRA-2.0896 TC3-2.7964 BAU .9430
 RDE .1561 RRA .0699 RC3 .0129 FAU .05952
 FDE 1.0682 FRA -.3871 FC3-2.0427 BSP 12703
 BDE 1.3391 BRA 2.0908 BC3 2.7964 FSP -695

MID-COURSE EXECUTION ACCURACY

SGT 4032.2 SGR 196.7 SG3 209.9
 RRT .0387 RRF .3197 RTF .8917
 SGB 4037.0 R23 .2853 R13 .8918
 SG1 4032.2 SG2 196.6 THA .11

ORBIT DETERMINATION ACCURACY

ST 1689.7 SR 179.8 SS 591.2
 CRT .8291 CRS -.9676 CST -.9424
 LSA 1786.8 MSA 210.1 SSA 7.8
 EL1 1696.3 EL2 100.1 ALF 5.06

LAUNCH DATE DEC 24 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 418.228

RL 147.14 LAL .00 LOL 91.98 VL 27.480 GAL -6.14 AZL 84.79 MCA 205.18 SMA 126.55 ECC .19402 INC 5.2108 V1 30.278
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.258 GAP 7.84 AZP 94.72 TAL 207.34 TAP 52.51 RCA 101.99 APO 151.10 V2 34.791
 RC 144.737 GL 30.64 GP -14.24 ZAL 125.85 ZAP 153.48 ETS 327.84 ZAE 129.04 ETE 192.29 ZAC 60.82 ETC 152.81 CLP-157.39

PLANETOCENTRIC CONIC

C3 23.705 VHL 4.869 DLA 14.09 RAL 312.09 RAD 6568.0 VEL 12.045 PTH 2.15 VHP 5.616 DPA -31.34 RAP 327.94 ECC 1.3901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 10 13 2708.83 -27.71 75.20 181.39 96.10 0 55 22 2108.8 -26.57 66.72
 90.00 15 49 40 4446.04 7.89 185.79 174.75 62.72 17 3 46 3846.0 4.18 179.09
 100.00 1 39 2 2422.40 -29.04 53.95 181.21 97.41 2 19 24 1822.4 -27.71 45.40
 100.00 17 3 32 4207.70 9.08 167.63 174.11 61.40 18 13 40 3607.7 5.20 161.00
 110.00 3 4 2 2156.46 -32.57 33.09 180.55 101.00 3 39 58 1556.5 -30.71 24.37
 110.00 17 55 2 4046.41 12.17 153.56 172.27 57.81 19 2 28 3446.4 7.83 147.15

DIFFERENTIAL CORRECTIONS

TDE 1.2818 TRA-2.0138 TC3-3.0613 BAU .9703
 RDE .1542 RRA .0602 RC3 .0448 FAU .05851
 FDE 1.0021 FRA -.3191 FC3-2.1370 BSP 13208
 BDE 1.2911 BRA 2.0147 BC3 3.0616 FSP -708

MID-COURSE EXECUTION ACCURACY

SGT 4139.0 SGR 200.4 SG3 209.3
 RRT -.0419 RRF .1956 RTF .8902
 SGB 4143.9 R23 -.2332 R13 -.8902
 SG1 4139.0 SG2 200.2 THA 179.88

ORBIT DETERMINATION ACCURACY

ST 1679.5 SR 182.7 SS 575.7
 CRT .8389 CRS -.9745 CST -.9381
 LSA 1772.2 MSA 211.4 SSA 9.2
 EL1 1686.5 EL2 99.0 ALF 5.23

LAUNCH DATE DEC 24 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 424.033

RL 147.14 LAL .00 LOL 91.98 VL 27.418 GAL -5.82 AZL 85.04 MCA 208.34 SMA 126.13 ECC .19426 INC 4.9616 V1 30.278
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.209 GAP 8.03 AZP 94.37 TAL 205.64 TAP 53.98 RCA 101.63 APO 150.64 V2 34.788
 RC 147.008 GL 29.87 GP -12.58 ZAL 124.61 ZAP 155.19 ETS 329.68 ZAE 129.34 ETE 190.89 ZAC 62.00 ETC 154.72 CLP-158.44

PLANETOCENTRIC CONIC

C3 22.435 VHL 4.737 DLA 13.89 RAL 314.01 RAD 6567.9 VEL 11.992 PTH 2.14 VHP 5.675 DPA -29.09 RAP 329.56 ECC 1.3692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 19 36 2688.71 -27.55 73.75 182.21 96.81 1 4 25 2088.7 -26.32 65.30
 90.00 15 55 39 4439.32 7.68 185.41 175.84 62.66 17 9 38 3839.3 3.96 178.71
 100.00 1 48 17 2402.71 -28.86 52.52 182.02 98.14 2 28 20 1802.7 -27.43 44.00
 100.00 17 9 39 4200.56 8.85 167.23 175.21 61.33 18 19 39 3600.6 4.96 160.61
 110.00 3 13 0 2137.65 -32.32 31.68 181.31 101.80 3 48 37 1537.7 -30.35 23.02
 110.00 18 1 26 4038.38 11.87 153.12 173.41 57.71 19 8 44 3438.4 7.53 146.72

DIFFERENTIAL CORRECTIONS

TOE 1.2987 TRA-1.8912 TC3-3.2408 BAU .9723
 RDE .1578 RRA .0532 RC3 .0789 FAU .05466
 FDE .9969 FRA -.2003 FC3-2.1093 BSP 12617
 BDE 1.3083 BRA 1.8920 BC3 3.2417 FSP -608

MID-COURSE EXECUTION ACCURACY

SGT 4177.0 SGR 215.5 SG3 202.8
 RRT -.0954 RRF .1270 RTF .8789
 SGB 4182.5 R23 -.2121 R13 -.8789
 SG1 4177.0 SG2 214.5 TMA 179.72

ORBIT DETERMINATION ACCURACY

ST 1725.2 SR 192.0 SS 593.1
 CRT .8626 CRS -.9844 CST -.9358
 LSA 1821.3 MSA 218.5 SSA 10.0
 EL1 1733.2 EL2 96.7 ALF 5.50

LAUNCH DATE DEC 24 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 429.821

RL 147.14 LAL .00 LOL 91.98 VL 27.356 GAL -5.49 AZL 85.24 MCA 211.50 SMA 125.73 ECC .19464 INC 4.7586 V1 30.278
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.162 GAP 8.21 AZP 94.06 TAL 203.94 TAP 55.43 RCA 101.26 APO 150.20 V2 34.786
 RC 149.266 GL 29.27 GP -11.25 ZAL 123.14 ZAP 156.70 ETS 331.17 ZAE 129.54 ETE 189.75 ZAC 63.40 ETC 156.35 CLP-159.46

PLANETOCENTRIC CONIC

C3 21.351 VHL 4.621 DLA 13.92 RAL 316.00 RAD 6567.9 VEL 11.947 PTH 2.13 VHP 5.746 DPA -27.14 RAP 331.28 ECC 1.3514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 21 2677.54 -27.46 72.94 183.30 97.20 1 11 58 2077.5 -26.18 64.51
 90.00 16 3 48 4426.57 7.29 184.69 177.11 62.56 17 17 34 3826.6 3.55 178.00
 100.00 1 56 3 2391.48 -28.75 51.70 183.10 98.56 2 35 54 1791.5 -27.27 43.21
 100.00 17 17 47 4187.85 8.43 166.52 176.49 61.22 18 27 35 3587.9 4.53 159.91
 110.00 3 20 47 2126.32 -32.16 30.84 182.37 102.28 3 56 14 1526.3 -30.13 22.21
 110.00 18 9 32 4025.78 11.42 152.43 174.70 57.56 19 16 37 3425.8 7.05 146.05

DIFFERENTIAL CORRECTIONS

TOE 1.2711 TRA-1.8235 TC3-3.5182 BAU 1.0047
 RDE .1597 RRA .0415 RC3 .1024 FAU .05397
 FDE .9337 FRA -.1570 FC3-2.1882 BSP 13426
 BDE 1.2811 BRA 1.8240 BC3 3.5197 FSP -650

MID-COURSE EXECUTION ACCURACY

SGT 4299.1 SGR 225.8 SG3 202.1
 RRT -.1228 RRF .0515 RTF .8819
 SGB 4305.0 R23 -.1613 R13 -.8818
 SG1 4299.1 SG2 224.0 TMA 179.63

ORBIT DETERMINATION ACCURACY

ST 1726.8 SR 198.6 SS 576.3
 CRT .8765 CRS -.9891 CST -.9342
 LSA 1818.5 MSA 215.3 SSA 11.4
 EL1 1735.6 EL2 95.2 ALF 5.77

LAUNCH DATE DEC 24 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 435.602

RL 147.14 LAL .00 LOL 91.98 VL 27.295 GAL -5.15 AZL 85.41 MCA 214.66 SMA 125.33 ECC .19514 INC 4.5893 V1 30.278
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.115 GAP 8.40 AZP 93.78 TAL 202.21 TAP 56.87 RCA 100.87 APO 149.79 V2 34.785
 RC 151.511 GL 28.78 GP -10.16 ZAL 121.47 ZAP 158.07 ETS 332.36 ZAE 129.68 ETE 188.80 ZAC 64.98 ETC 157.74 CLP-160.46

PLANETOCENTRIC CONIC

C3 20.407 VHL 4.517 DLA 14.11 RAL 318.08 RAD 6567.8 VEL 11.907 PTH 2.12 VHP 5.825 DPA -25.39 RAP 333.10 ECC 1.3358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 52 2673.63 -27.43 72.66 184.64 97.34 1 18 26 2073.6 -26.12 64.24
 90.00 16 13 50 4408.78 6.73 183.68 178.54 62.43 17 27 19 3808.8 2.98 177.00
 100.00 2 42 2 2387.13 -28.71 51.38 184.43 98.72 2 42 29 1787.1 -27.20 42.90
 100.00 17 27 41 4170.51 7.86 165.55 177.92 61.07 18 37 12 3570.5 3.95 158.95
 110.00 3 27 44 2121.06 -32.08 30.45 183.70 102.50 4 3 6 1521.1 -30.03 21.83
 110.00 18 19 9 4009.35 10.81 151.54 176.15 57.37 19 25 58 3409.3 6.44 145.18

DIFFERENTIAL CORRECTIONS

TOE 1.2730 TRA-1.7329 TC3-3.7621 BAU 1.0270
 RDE .1637 RRA .0309 RC3 .1254 FAU .05215
 FDE .8977 FRA -.0946 FC3-2.2124 BSP 13800
 BDE 1.2835 BRA 1.7332 BC3 3.7642 FSP -646

MID-COURSE EXECUTION ACCURACY

SGT 4392.7 SGR 239.9 SG3 199.0
 RRT -.1343 RRF .0088 RTF .8807
 SGB 4399.3 R23 -.1286 R13 -.8807
 SG1 4392.9 SG2 237.7 TMA 179.58

ORBIT DETERMINATION ACCURACY

ST 1754.8 SR 208.0 SS 574.1
 CRT .8948 CRS -.9935 CST -.9340
 LSA 1845.6 MSA 213.9 SSA 12.6
 EL1 1764.7 EL2 92.3 ALF 6.07

LAUNCH DATE DEC 24 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 441.373

RL 147.14 LAL .00 LOL 91.98 VL 27.234 GAL -4.79 AZL 85.55 MCA 217.82 SMA 124.94 ECC .19579 INC 4.4450 V1 30.278
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.070 GAP 8.59 AZP 93.51 TAL 200.48 TAP 58.29 RCA 100.48 APO 149.41 V2 34.784
 RC 153.743 GL 28.38 GP -9.26 ZAL 119.61 ZAP 159.32 ETS 333.33 ZAE 129.78 ETE 188.02 ZAC 66.69 ETC 158.96 CLP-161.43

PLANETOCENTRIC CONIC

C3 19.578 VHL 4.425 DLA 14.46 RAL 320.25 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 5.911 DPA -23.80 RAP 334.98 ECC 1.3222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 28 2675.74 -27.44 72.81 186.20 97.27 1 24 4 2075.7 -26.15 64.38
 90.00 16 25 33 4386.92 6.04 182.44 180.15 62.28 17 38 40 3786.9 2.28 175.78
 100.00 2 8 33 2388.47 -28.72 51.48 186.00 98.67 2 48 21 1788.5 -27.22 43.00
 100.00 17 39 9 4149.42 7.17 164.37 179.53 60.90 18 48 19 3549.4 3.23 157.79
 110.00 3 34 6 2120.80 -32.08 30.43 185.27 102.51 4 9 27 1520.8 -30.02 21.82
 110.00 18 30 6 3989.86 10.10 150.49 177.76 57.17 19 36 36 3389.9 5.70 144.16

DIFFERENTIAL CORRECTIONS

TOE 1.2881 TRA-1.6331 TC3-3.9965 BAU 1.0467
 RDE .1683 RRA .0203 RC3 .1460 FAU .05014
 FDE .8698 FRA -.0321 FC3-2.2172 BSP 14087
 BDE 1.2991 BRA 1.6332 BC3 3.9992 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 4478.8 SGR 254.9 SG3 195.5
 RRT -.1337 RRF -.0159 RTF .8793
 SGB 4486.0 R23 -.1030 R13 -.8793
 SG1 4478.9 SG2 252.6 TMA 179.56

ORBIT DETERMINATION ACCURACY

ST 1795.2 SR 218.2 SS 576.1
 CRT .9137 CRS -.9964 CST -.9351
 LSA 1886.1 MSA 211.5 SSA 13.7
 EL1 1806.3 EL2 88.1 ALF 6.35

LAUNCH DATE DEC 24 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 447.134

RL 147.14 LAL .00 LOL 91.98 VL 27.174 GAL -4.43 AZL 85.68 MCA 220.98 SMA 124.56 ECC .19658 INC 4.3199 V1 30.278
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.027 GAP 8.78 ATP 93.26 TAL 198.72 TAP 59.70 RCA 100.07 APO 149.05 V2 34.784
 RC 155.962 GL 28.04 GP -8.51 ZAL 117.59 ZAP 160.49 ETS 334.09 ZAE 129.87 ETE 187.36 ZAC 68.50 ETC 160.03 CLP-162.37

PLANETOCENTRIC CONIC

C3 18.849 VML 4.342 DLA 14.92 RAL 322.52 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 6.003 DPA -22.31 RAP 336.91 ECC 1.3102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 22 2683.07 -27.51 73.34 187.99 97.01 1 29 6 2083.1 -26.25 64.90
 90.00 16 38 46 4361.68 5.23 181.02 181.94 62.13 17 51 28 3761.7 1.46 174.37
 100.00 2 13 47 2394.74 -28.78 51.94 187.79 98.44 2 53 42 1794.7 -27.32 43.44
 100.00 17 52 3 4125.25 6.37 163.02 181.32 60.73 19 0 48 3525.2 2.42 156.46
 110.00 3 40 2 2124.87 -32.13 30.73 187.08 102.34 4 15 27 1524.9 -30.10 22.11
 110.00 18 42 17 3967.88 9.28 149.30 179.54 56.95 19 48 25 3367.9 4.87 143.00

DIFFERENTIAL CORRECTIONS

TDE 1.3116 TRA-1.5265 TC3-4.2270 BAU 1.0660
 RDE .1734 RRA .0096 RC3 .1640 FAU .04813
 FDE .8458 FRA .0274 FC3-2.2106 BSP 14372
 BDE 1.3230 BRA 1.5265 BC3 4.2302 FSP -623

MID-COURSE EXECUTION ACCURACY

SGT 4562.3 SGR 269.8 SG3 191.9
 RRT -.1252 RRF -.0292 RTF .8784
 SGB 4570.2 R23 -.0818 R13 -.8784
 SG1 4562.4 SG2 267.7 THA 179.57

ORBIT DETERMINATION ACCURACY

ST 1843.7 SR 228.9 SS 579.7
 CRT .9315 CRS -.9975 CST -.9372
 LSA 1935.0 MSA 207.9 SSA 14.8
 EL1 1856.0 EL2 82.7 ALF 6.61

LAUNCH DATE DEC 24 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 452.885

RL 147.14 LAL .00 LOL 91.98 VL 27.115 GAL -4.06 AZL 85.79 MCA 224.14 SMA 124.19 ECC .19753 INC 4.2098 V1 30.278
 RP 108.94 LAP -2.93 LOP 316.04 VP 36.984 GAP 8.97 ATP 93.02 TAL 196.96 TAP 61.10 RCA 99.66 APO 148.72 V2 34.785
 RC 158.168 GL 27.73 GP -7.87 ZAL 115.41 ZAP 161.58 ETS 334.67 ZAE 129.95 ETE 186.80 ZAC 70.39 ETC 160.97 CLP-163.30

PLANETOCENTRIC CONIC

C3 18.213 VML 4.268 DLA 15.48 RAL 324.90 RAD 6567.7 VEL 11.815 PTH 2.09 VHP 6.100 DPA -20.91 RAP 338.89 ECC 1.2997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 43 2695.08 -27.60 74.21 190.00 96.58 1 33 38 2095.1 -26.40 65.75
 90.00 16 53 26 4333.54 4.34 179.44 183.91 61.99 18 5 39 3733.5 .56 172.80
 100.00 2 18 33 2405.39 -28.89 52.71 189.81 98.04 2 58 38 1805.4 -27.47 44.19
 100.00 18 6 17 4098.46 5.47 161.54 183.29 60.57 19 14 35 3498.5 1.51 154.99
 110.00 3 45 41 2132.78 -32.25 31.32 189.12 102.01 4 21 14 1532.8 -30.26 22.67
 110.00 18 55 39 3943.84 8.39 148.02 181.50 56.74 20 1 22 3343.8 3.95 141.74

DIFFERENTIAL CORRECTIONS

TDE 1.3452 TRA-1.4101 TC3-4.4471 BAU 1.0837
 RDE .1786 RRA -.0008 RC3 .1796 FAU .04604
 FDE .8274 FRA .0869 FC3-2.1884 BSP 14592
 BDE 1.3570 BRA 1.4101 BC3 4.4507 FSP -607

MID-COURSE EXECUTION ACCURACY

SGT 4639.8 SGR 284.6 SG3 188.1
 RRT -.1108 RRF -.0322 RTF .8771
 SGB 4648.5 R23 -.0658 R13 -.8771
 SG1 4639.9 SG2 282.9 THA 179.61

ORBIT DETERMINATION ACCURACY

ST 1903.2 SR 239.9 SS 586.5
 CRT .9481 CRS -.9970 CST -.9402
 LSA 1995.5 MSA 203.5 SSA 15.9
 EL1 1916.7 EL2 75.8 ALF 6.83

LAUNCH DATE DEC 24 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 458.625

RL 147.14 LAL .00 LOL 91.98 VL 27.057 GAL -3.68 AZL 85.89 MCA 227.30 SMA 123.82 ECC .19864 INC 4.1114 V1 30.278
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.942 GAP 9.17 ATP 92.79 TAL 195.18 TAP 62.48 RCA 99.22 APO 148.42 V2 34.787
 RC 160.359 GL 27.43 GP -7.32 ZAL 113.08 ZAP 162.62 ETS 335.10 ZAE 130.02 ETE 186.33 ZAC 72.36 ETC 161.82 CLP-164.19

PLANETOCENTRIC CONIC

C3 17.663 VML 4.203 DLA 16.12 RAL 327.40 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 6.201 DPA -19.58 RAP 340.89 ECC 1.2907
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 38 2711.38 -27.72 75.38 192.22 96.01 1 37 50 2111.4 -26.60 66.90
 90.00 17 9 27 4302.96 3.36 177.73 186.09 61.87 18 21 10 3703.0 -.43 171.10
 100.00 2 22 58 2420.06 -29.02 53.78 192.05 97.50 3 3 18 1820.1 -27.68 45.23
 100.00 18 21 48 4069.51 4.50 159.93 185.46 60.42 19 29 37 3469.5 .53 153.40
 110.00 3 51 9 2144.16 -32.41 32.17 191.39 101.52 4 26 53 1544.2 -30.48 23.48
 110.00 19 10 6 3918.17 7.43 146.65 183.65 56.54 20 15 24 3318.2 2.98 140.39

DIFFERENTIAL CORRECTIONS

TDE 1.3827 TRA-1.2888 TC3-4.6641 BAU 1.1023
 RDE .1840 RRA -.0111 RC3 .1923 FAU .04410
 FDE .8090 FRA .1412 FC3-2.1613 BSP 14880
 BDE 1.3949 BRA 1.2888 BC3 4.6680 FSP -597

MID-COURSE EXECUTION ACCURACY

SGT 4718.8 SGR 298.8 SG3 184.4
 RRT -.0935 RRF -.0315 RTF .8771
 SGB 4728.3 R23 -.0511 R13 -.8770
 SG1 4718.9 SG2 297.5 THA 179.66

ORBIT DETERMINATION ACCURACY

ST 1966.8 SR 251.0 SS 592.5
 CRT .9622 CRS -.9950 CST -.9436
 LSA 2059.9 MSA 197.7 SSA 17.0
 EL1 1981.6 EL2 67.8 ALF 7.01

LAUNCH DATE DEC 24 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 464.353

RL 147.14 LAL .00 LOL 91.98 VL 26.999 GAL -3.29 AZL 85.98 MCA 230.46 SMA 123.46 ECC .19992 INC 4.0226 V1 30.278
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.902 GAP 9.37 ATP 92.56 TAL 193.39 TAP 63.85 RCA 98.78 APO 148.14 V2 34.789
 RC 162.536 GL 27.13 GP -6.84 ZAL 110.61 ZAP 163.61 ETS 335.39 ZAE 130.09 ETE 185.92 ZAC 74.39 ETC 162.57 CLP-165.07

PLANETOCENTRIC CONIC

C3 17.197 VML 4.147 DLA 16.83 RAL 330.02 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 6.308 DPA -18.28 RAP 342.93 ECC 1.2830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 12 2731.69 -27.86 76.85 194.67 95.28 1 41 44 2131.7 -26.84 68.34
 90.00 17 26 47 4270.28 2.31 175.90 188.47 61.77 18 37 57 3670.3 -1.49 169.27
 100.00 2 27 8 2438.46 -29.18 55.13 194.51 96.80 3 7 46 1838.5 -27.93 46.55
 100.00 18 38 33 4038.74 5.47 158.24 187.83 60.29 19 45 51 3438.7 -.52 151.71
 110.00 3 56 32 2158.74 -32.60 33.26 193.89 100.90 4 32 31 1558.7 -30.75 24.53
 110.00 19 25 38 3891.22 6.41 145.22 186.00 56.35 20 30 29 3291.2 1.95 138.99

DIFFERENTIAL CORRECTIONS

TDE 1.4271 TRA-1.1589 TC3-4.8678 BAU 1.1201
 RDE .1896 RRA -.0211 RC3 .2023 FAU .04216
 FDE .7931 FRA .1935 FC3-2.1224 BSP 15142
 BDE 1.4396 BRA 1.1591 BC3 4.8720 FSP -586

MID-COURSE EXECUTION ACCURACY

SGT 4794.4 SGR 312.6 SG3 180.8
 RRT -.0735 RRF -.0258 RTF .8773
 SGB 4804.6 R23 -.0391 R13 -.8773
 SG1 4794.4 SG2 311.7 THA 179.72

ORBIT DETERMINATION ACCURACY

ST 2038.2 SR 262.1 SS 599.7
 CRT .9740 CRS -.9916 CST -.9476
 LSA 2132.1 MSA 191.2 SSA 18.0
 EL1 2054.2 EL2 58.9 ALF 7.15

LAUNCH DATE DEC 24 1965

FLIGHT TIME 158.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

RL 147.14 LAL .00 LOL 91.98 VL 26.942 GAL -2.89 AZL 86.06 MCA 233.62 SMA 123.11 ECC .20138 INC 3.9416 V1 30.278
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.863 GAP 9.57 AZP 92.34 TAL 191.59 TAP 65.21 RCA 98.32 APO 147.90 V2 34.792
 RC 164.699 GL 26.81 GP -6.43 ZAL 107.99 ZAP 164.56 ETS 335.54 ZAE 130.17 ETE 185.57 ZAC 76.46 ETC 163.25 CLP-165.93

PLANETOCENTRIC CONIC

C3 16.817 VHL 4.101 DLA 17.61 RAL 332.77 RAD 6567.7 VEL 11.756 PTH 2.07 VHP 6.420 DPA -17.03 RAP 344.99 ECC 1.2768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 29 2755.81 -28.00 78.61 197.35 94.41 1 45 25 2155.8 -27.09 70.06
 90.00 17 45 25 4235.86 1.20 173.98 191.08 61.71 18 56 1 3635.9 -2.60 167.35
 100.00 2 31 6 2460.36 -29.34 56.73 197.21 95.97 3 12 7 1860.4 -28.21 48.11
 100.00 18 56 29 4006.53 2.38 156.47 190.42 60.19 20 3 15 3406.5 -1.61 149.95
 110.00 4 1 54 2176.31 -32.82 34.59 196.63 100.15 4 38 10 1576.3 -31.07 25.80
 110.00 19 42 11 3863.35 5.36 143.76 188.57 56.19 20 46 34 3263.4 .88 137.53

DIFFERENTIAL CORRECTIONS

TDE 1.4771 TRA-1.0204 TC3-5.0552 BAU 1.1375
 RDE .1954 RRA -.0306 RC3 .2095 FAU .04027
 FDE .7786 FRA .2442 FC3-2.0729 BSP 15417
 BDE 1.4900 BRA 1.0208 BC3 5.0595 FSP -577

MID-COURSE EXECUTION ACCURACY

SGT 4866.9 SGR 325.7 SG3 177.1
 RRT -.0519 RRF -.0169 RTF .8779
 SGB 4877.8 R23 -.0289 R13 -.8779
 SG1 4866.9 SG2 325.2 THA 179.80

ORBIT DETERMINATION ACCURACY

ST 2115.6 SR 273.3 SS 607.0
 CRT .9834 CRS -.9870 CST -.9516
 LSA 2210.2 MSA 184.1 SSA 19.0
 EL1 2132.7 EL2 49.1 ALF 7.25

LAUNCH DATE DEC 24 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

RL 147.14 LAL .00 LOL 91.98 VL 26.885 GAL -2.47 AZL 86.13 MCA 236.78 SMA 122.76 ECC .20304 INC 3.8669 V1 30.278
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.826 GAP 9.78 AZP 92.12 TAL 189.78 TAP 66.56 RCA 97.84 APO 147.69 V2 34.796
 RC 166.847 GL 26.46 GP -6.06 ZAL 105.24 ZAP 165.46 ETS 335.56 ZAE 130.25 ETE 185.27 ZAC 78.58 ETC 163.86 CLP-166.76

PLANETOCENTRIC CONIC

C3 16.523 VHL 4.065 DLA 18.43 RAL 335.65 RAD 6567.7 VEL 11.743 PTH 2.07 VHP 6.537 DPA -15.80 RAP 347.06 ECC 1.2719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 34 2783.54 -28.13 80.62 200.25 93.41 1 48 57 2183.5 -27.36 72.04
 90.00 18 5 17 4200.04 .04 171.98 193.91 61.68 19 15 17 3600.0 -3.75 165.35
 100.00 2 34 58 2485.57 -29.51 58.59 200.14 95.01 3 16 23 1885.6 -28.50 49.93
 100.00 19 15 34 3973.25 1.25 154.64 193.24 60.13 20 21 47 3373.2 -2.73 148.12
 110.00 4 7 19 2196.63 -33.05 36.13 199.62 99.27 4 43 56 1596.6 -31.42 27.28
 110.00 19 59 42 3834.95 4.28 142.26 191.35 56.05 21 3 37 3234.9 -.21 136.05

DIFFERENTIAL CORRECTIONS

TDE 1.5321 TRA -.8729 TC3-5.2210 BAU 1.1543
 RDE .2015 RRA -.0395 RC3 .2139 FAU .03839
 FDE .7651 FRA .2930 FC3-2.0114 BSP 15672
 BDE 1.5453 BRA .8738 BC3 5.2254 FSP -567

MID-COURSE EXECUTION ACCURACY

SGT 4935.8 SGR 338.1 SG3 173.4
 RRT -.0292 RRF -.0054 RTF .8789
 SGB 4947.4 R23 -.0204 R13 -.8789
 SG1 4935.8 SG2 338.0 THA 179.88

ORBIT DETERMINATION ACCURACY

ST 2198.0 SR 284.6 SS 614.1
 CRT .9903 CRS -.9814 CST -.9557
 LSA 2292.9 MSA 176.8 SSA 20.0
 EL1 2216.0 EL2 39.1 ALF 7.31

LAUNCH DATE DEC 24 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

RL 147.14 LAL .00 LOL 91.98 VL 26.830 GAL -2.04 AZL 86.20 MCA 239.95 SMA 122.42 ECC .20489 INC 3.7973 V1 30.278
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.789 GAP 10.00 AZP 91.90 TAL 187.96 TAP 67.91 RCA 97.34 APO 147.51 V2 34.800
 RC 168.980 GL 26.08 GP -5.74 ZAL 102.36 ZAP 166.34 ETS 335.44 ZAE 130.33 ETE 185.01 ZAC 80.74 ETC 164.41 CLP-167.58

PLANETOCENTRIC CONIC

C3 16.320 VHL 4.040 DLA 19.28 RAL 338.65 RAD 6567.7 VEL 11.735 PTH 2.07 VHP 6.659 DPA -14.59 RAP 349.16 ECC 1.2686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 28 2814.74 -28.23 82.90 203.39 92.27 1 52 23 2214.7 -27.62 74.29
 90.00 18 26 22 4163.17 -1.15 169.93 196.98 61.70 19 35 45 3563.2 -4.92 163.28
 100.00 2 38 46 2513.88 -29.66 60.68 203.30 93.92 3 20 40 1913.9 -28.80 51.98
 100.00 19 35 45 3939.27 .10 152.78 196.29 60.11 20 41 24 3339.3 -3.88 146.25
 110.00 4 12 51 2219.50 -33.29 37.87 202.85 98.26 4 49 51 1619.5 -31.79 28.96
 110.00 20 18 9 3806.40 3.19 140.77 194.36 55.95 21 21 35 3206.4 -1.30 134.56

DIFFERENTIAL CORRECTIONS

TDE 1.5955 TRA -.7132 TC3-5.3534 BAU 1.1689
 RDE .2081 RRA -.0477 RC3 .2153 FAU .03647
 FDE .7554 FRA .3427 FC3-1.9347 BSP 15852
 BDE 1.6090 BRA .7148 BC3 5.3577 FSP -553

MID-COURSE EXECUTION ACCURACY

SGT 4997.7 SGR 350.0 SG3 169.7
 RRT -.0045 RRF .0107 RTF .8797
 SGB 5009.9 R23 -.0146 R13 -.8797
 SG1 4997.7 SG2 350.0 THA 179.98

ORBIT DETERMINATION ACCURACY

ST 2289.3 SR 296.0 SS 623.3
 CRT .9949 CRS -.9750 CST -.9599
 LSA 2384.9 MSA 169.8 SSA 20.9
 EL1 2308.1 EL2 29.6 ALF 7.33

LAUNCH DATE DEC 24 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

RL 147.14 LAL .00 LOL 91.98 VL 26.775 GAL -1.60 AZL 86.27 MCA 243.11 SMA 122.09 ECC .20697 INC 3.7321 V1 30.278
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.754 GAP 10.22 AZP 91.69 TAL 186.14 TAP 69.25 RCA 96.82 APO 147.36 V2 34.805
 RC 171.096 GL 25.64 GP -5.45 ZAL 99.38 ZAP 167.19 ETS 335.19 ZAE 130.42 ETE 184.79 ZAC 82.93 ETC 164.91 CLP-168.39

PLANETOCENTRIC CONIC

C3 16.211 VHL 4.026 DLA 20.14 RAL 341.79 RAD 6567.6 VEL 11.730 PTH 2.07 VHP 6.788 DPA -13.40 RAP 351.26 ECC 1.2668
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 15 2849.20 -28.30 85.42 206.75 91.01 1 55 45 2249.2 -27.86 76.78
 90.00 18 48 34 4125.66 -2.36 167.83 200.30 61.77 19 57 20 3525.7 -6.12 161.17
 100.00 2 42 34 2545.06 -29.78 62.99 206.69 92.71 3 24 59 1945.1 -29.09 54.25
 100.00 19 56 56 3905.03 -1.06 150.90 199.58 60.12 21 2 1 3305.0 -5.03 144.36
 110.00 4 18 35 2244.69 -33.52 39.80 206.32 97.14 4 56 0 1644.7 -32.17 30.83
 110.00 20 37 25 3778.17 2.12 139.29 197.59 55.87 21 40 23 3178.2 -2.38 133.09

DIFFERENTIAL CORRECTIONS

TDE 1.6601 TRA -.5459 TC3-5.4601 BAU 1.1842
 RDE .2152 RRA -.0552 RC3 .2137 FAU .03467
 FDE .7437 FRA .3893 FC3-1.8515 BSP 16068
 BDE 1.6740 BRA .5487 BC3 5.4643 FSP -541

MID-COURSE EXECUTION ACCURACY

SGT 5059.4 SGR 361.1 SG3 166.0
 RRT .0198 RRF .0263 RTF .8814
 SGB 5072.2 R23 .0088 R13 .8814
 SG1 5059.4 SG2 361.0 THA .08

ORBIT DETERMINATION ACCURACY

ST 2379.0 SR 307.3 SS 629.9
 CRT .9971 CRS -.9679 CST -.9637
 LSA 2474.6 MSA 163.1 SSA 21.7
 EL1 2398.7 EL2 23.1 ALF 7.34

LAUNCH DATE DEC 24 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 492.801

RL 147.14 LAL .00 LOL 91.98 VL 26.721 GAL -1.14 AZL 86.33 HCA 246.28 SMA 121.77 ECC .20928 INC 3.6704 V1 30.278
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.720 GAP 10.46 AZP 91.48 TAL 184.30 TAP 70.58 RCA 96.28 APO 147.25 V2 34.811
 RC 173.196 GL 25.14 GP -5.20 ZAL 96.28 ZAP 168.01 ETS 334.78 ZAE 130.51 ETE 184.59 ZAC 85.15 ETC 165.36 CLP-169.18

PLANETOCENTRIC CONIC

C3 16.203 VHL 4.025 DLA 21.01 RAL 345.04 RAD 6567.6 VEL 11.730 PTH 2.07 VHP 6.923 DPA -12.22 RAP 353.38 ECC 1.2667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 58 2886.72 -28.31 88.16 210.33 89.64 1 59 5 2286.7 -28.07 79.51
 90.00 19 11 49 4087.92 -3.57 165.72 203.86 61.89 20 19 57 3487.9 -7.31 159.03
 100.00 2 46 27 2578.87 -29.86 65.50 210.32 91.39 3 29 26 1978.9 -29.35 56.73
 100.00 20 19 2 3871.00 -2.22 149.03 203.11 60.18 21 23 33 3271.0 -6.17 142.47
 110.00 4 24 34 2271.91 -33.73 41.90 210.03 95.91 5 2 25 1671.9 -32.54 32.86
 110.00 20 57 24 3750.72 1.07 137.86 201.06 55.83 21 59 55 3150.7 -3.42 131.65

DIFFERENTIAL CORRECTIONS

TOE 1.7279 TRA -3.687 TC3-5.5327 BAU 1.1993
 RDE .2231 RRA -.0618 RC3 .2089 FAU .03295
 FDE .7331 FRA .4349 FC3-1.7607 BSP 16315
 BOE 1.7422 BRA .3738 BC3 5.5366 FSP -533

MID-COURSE EXECUTION ACCURACY

SGT 5119.0 SGR 371.5 SG3 162.5
 RRT .0445 RRF .0436 RTF .8836
 SGB 5132.5 R23 .0040 R13 .8836
 SG1 5119.0 SG2 371.1 THA .19

ORBIT DETERMINATION ACCURACY

ST 2468.8 SR 318.8 SS 635.9
 CRT .9973 CRS -.9603 CST -.9672
 LSA 2564.3 MSA 157.1 S5A 22.4
 EL1 2489.2 EL2 23.0 ALF 7.34

LAUNCH DATE DEC 24 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 498.444

RL 147.14 LAL .00 LOL 91.98 VL 26.667 GAL -.66 AZL 86.39 HCA 249.44 SMA 121.45 ECC .21185 INC 3.6116 V1 30.278
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.687 GAP 10.70 AZP 91.27 TAL 182.47 TAP 71.91 RCA 95.72 APO 147.18 V2 34.817
 RC 175.278 GL 24.58 GP -4.97 ZAL 93.11 ZAP 168.81 ETS 334.21 ZAE 130.61 ETE 184.42 ZAC 87.39 ETC 165.77 CLP-169.96

PLANETOCENTRIC CONIC

C3 16.304 VHL 4.038 DLA 21.87 RAL 348.41 RAD 6567.7 VEL 11.734 PTH 2.07 VHP 7.066 DPA -11.05 RAP 355.51 ECC 1.2683
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 40 2927.05 -28.26 91.11 214.13 88.16 2 2 27 2327.1 -28.22 82.45
 90.00 19 36 0 4050.41 -4.77 163.62 207.66 62.06 20 43 30 3450.4 -8.48 156.90
 100.00 2 50 27 2615.01 -29.89 68.19 214.16 89.98 3 34 2 2015.0 -29.58 59.40
 100.00 20 41 54 3837.68 -3.34 147.20 206.87 60.28 21 45 52 3237.7 -7.28 140.62
 110.00 4 30 51 2300.89 -33.91 44.14 213.97 94.60 5 9 12 1700.9 -32.90 35.05
 110.00 21 18 0 3724.56 .07 136.50 204.75 55.82 22 20 4 3124.6 -4.42 130.28

DIFFERENTIAL CORRECTIONS

TOE 1.7970 TRA -.1819 TC3-5.5632 BAU 1.2134
 RDE .2317 RRA -.0674 RC3 .2015 FAU .03122
 FDE .7212 FRA .4788 FC3-1.6578 BSP 16531
 BOE 1.8119 BRA .1940 BC3 5.5669 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 5173.3 SGR 381.0 SG3 158.7
 RRT .0691 RRF .0617 RTF .8859
 SGB 5187.4 R23 .0002 R13 .8859
 SG1 5173.4 SG2 380.1 THA .29

ORBIT DETERMINATION ACCURACY

ST 2554.9 SR 330.3 SS 639.4
 CRT .9959 CRS -.9524 CST -.9703
 LSA 2649.9 MSA 152.1 S5A 22.8
 EL1 2576.0 EL2 29.8 ALF 7.34

LAUNCH DATE DEC 24 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 504.068

RL 147.14 LAL .00 LOL 91.98 VL 26.615 GAL -.17 AZL 86.44 HCA 252.61 SMA 121.14 ECC .21468 INC 3.5552 V1 30.278
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.656 GAP 10.96 AZP 91.06 TAL 180.63 TAP 73.24 RCA 95.13 APO 147.15 V2 34.824
 RC 177.341 GL 23.96 GP -4.77 ZAL 89.86 ZAP 169.58 ETS 333.45 ZAE 130.71 ETE 184.28 ZAC 89.66 ETC 166.14 CLP-170.73

PLANETOCENTRIC CONIC

C3 16.522 VHL 4.065 DLA 22.71 RAL 351.88 RAD 6567.7 VEL 11.743 PTH 2.07 VHP 7.216 DPA -9.89 RAP 357.64 ECC 1.2719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 23 2969.91 -28.13 94.24 218.11 86.60 2 5 53 2369.9 -28.30 85.58
 90.00 20 0 58 4013.62 -5.94 161.55 211.70 62.26 21 7 51 3413.6 -9.61 154.79
 100.00 2 54 38 2653.13 -29.86 71.02 218.20 88.49 3 38 51 2053.1 -29.75 62.22
 100.00 21 5 24 3805.64 -4.42 145.43 210.86 60.41 22 8 49 3205.6 -8.33 138.82
 110.00 4 37 31 2331.28 -34.05 46.50 218.13 93.21 5 16 22 1731.3 -33.23 37.36
 110.00 21 39 1 3700.25 -.86 135.23 208.65 55.83 22 40 41 3100.2 -5.34 129.00

DIFFERENTIAL CORRECTIONS

TOE 1.8726 TRA .0194 TC3-5.5446 BAU 1.2254
 RDE .2415 RRA -.0719 RC3 .1914 FAU .02948
 FDE .7130 FRA .5237 FC3-1.5448 BSP 16673
 BOE 1.8881 BRA .0744 BC3 5.5479 FSP -512

MID-COURSE EXECUTION ACCURACY

SGT 5223.6 SGR 390.0 SG3 155.2
 RRT .0951 RRF .0839 RTF .8884
 SGB 5238.1 R23 -.0011 R13 .8884
 SG1 5223.7 SG2 388.2 THA .41

ORBIT DETERMINATION ACCURACY

ST 2643.1 SR 342.0 SS 644.7
 CRT .9929 CRS -.9445 CST -.9734
 LSA 2737.9 MSA 148.6 S5A 23.1
 EL1 2664.9 EL2 40.3 ALF 7.32

LAUNCH DATE DEC 24 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 509.671

RL 147.14 LAL .00 LOL 91.98 VL 26.563 GAL .34 AZL 86.50 HCA 255.78 SMA 120.83 ECC .21780 INC 3.5007 V1 30.278
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.625 GAP 11.22 AZP 90.86 TAL 178.78 TAP 74.56 RCA 94.52 APO 147.15 V2 34.832
 RC 179.385 GL 23.26 GP -4.59 ZAL 86.55 ZAP 170.34 ETS 332.48 ZAE 130.81 ETE 184.15 ZAC 91.94 ETC 166.47 CLP-171.49

PLANETOCENTRIC CONIC

C3 16.868 VHL 4.107 DLA 23.50 RAL 355.43 RAD 6567.7 VEL 11.758 PTH 2.08 VHP 7.375 DPA -8.74 RAP 359.79 ECC 1.2776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 12 3014.91 -27.90 97.51 222.28 84.97 2 9 27 2414.9 -28.31 88.87
 90.00 20 26 31 3978.15 -7.06 159.54 215.95 62.51 21 32 49 3378.2 -10.69 152.74
 100.00 2 59 7 2692.78 -29.75 73.96 222.43 86.94 3 43 59 2092.8 -29.86 65.16
 100.00 21 29 17 3775.51 -5.43 143.77 215.06 60.56 22 32 13 3175.5 -9.32 137.13
 110.00 4 44 37 2362.70 -34.14 48.95 222.49 91.76 5 24 0 1762.7 -33.52 39.76
 110.00 22 0 16 3678.36 -1.70 134.09 212.74 55.85 23 1 35 3078.4 -6.17 127.85

DIFFERENTIAL CORRECTIONS

TOE 1.9442 TRA .2300 TC3-5.4786 BAU 1.2361
 RDE .2522 RRA -.0751 RC3 .1792 FAU .02773
 FDE .7020 FRA .5692 FC3-1.4233 BSP 16838
 BOE 1.9605 BRA .2420 BC3 5.4815 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 5266.0 SGR 398.1 SG3 151.5
 RRT .1201 RRF .1053 RTF .8901
 SGB 5281.0 R23 -.0022 R13 .8901
 SG1 5266.2 SG2 395.2 THA .52

ORBIT DETERMINATION ACCURACY

ST 2717.7 SR 353.5 SS 646.0
 CRT .9889 CRS -.9361 CST -.9757
 LSA 2811.8 MSA 146.9 S5A 23.1
 EL1 2740.1 EL2 52.2 ALF 7.33

LAUNCH DATE DEC 24 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 515.249

RL 147.14 LAL .00 LOL 91.98 VL 26.511 GAL .87 AZL 86.55 HCA 258.95 SMA 120.54 ECC .22123 INC 3.4476 V1 30.278
 RP 108.77 LAP -3.38 LOP 350.90 VP 36.596 GAP 11.51 AZP 90.66 TAL 176.94 TAP 75.89 RCA 93.87 APO 147.20 V2 34.840
 RC 181.409 GL 22.50 GP -4.42 ZAL 83.22 ZAP 171.07 ETS 331.25 ZAE 130.92 ETE 184.04 ZAC 94.24 ETC 166.76 CLP-172.24

PLANETOCENTRIC CONIC

C3 17.356 VHL 4.166 DLA 24.24 RAL 359.06 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 7.544 DPA -7.60 RAP 1.94 ECC 1.2856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 11 3061.61 -27.58 100.89 226.60 83.31 2 13 12 2461.6 -28.22 92.28
 90.00 20 52 26 3944.60 -8.11 157.64 220.40 62.78 21 58 11 3344.6 -11.70 150.79
 100.00 3 3 57 2733.48 -29.56 76.97 226.82 85.37 3 49 31 2133.5 -29.89 68.19
 100.00 21 53 21 3747.96 -6.35 142.24 219.45 60.73 22 55 49 3148.0 -10.21 135.57
 110.00 4 52 14 2394.73 -34.18 51.45 227.03 90.28 5 32 8 1794.7 -33.77 42.23
 110.00 22 21 34 3659.47 -2.42 133.10 217.01 55.89 23 22 33 3059.5 -6.88 126.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0148 TRA .4506 TC3-5.3749 BAU 1.2477 SGT 5310.0 SGR 405.3 SG3 148.0 ST 2781.7 SR 364.8 SS 644.7
 RDE .2640 RRA -.0772 RC3 .1648 FAU .02618 RRT .1451 RRF .1266 RTF .8937 CRT .9839 CRS -.9279 CST -.9779
 FDE .6901 FRA .6112 FC3-1.3059 BSP 17005 SGB 5325.4 R23 -.0038 R13 .8937 LSA 2874.8 MSA 146.2 SSA 22.8
 BDE 2.0320 BRA .4571 BC3 5.3774 FSP -487 SG1 5310.3 SG2 401.0 TMA .64 EL1 2804.8 EL2 64.6 ALF 7.36

LAUNCH DATE DEC 24 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 520.802

RL 147.14 LAL .00 LOL 91.98 VL 26.461 GAL 1.42 AZL 86.60 HCA 262.12 SMA 120.24 ECC .22500 INC 3.3957 V1 30.278
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.568 GAP 11.81 AZP 90.47 TAL 175.09 TAP 77.21 RCA 93.19 APO 147.30 V2 34.849
 RC 183.413 GL 21.67 GP -4.27 ZAL 79.88 ZAP 171.79 ETS 329.71 ZAE 131.02 ETE 183.95 ZAC 96.55 ETC 167.01 CLP-172.98

PLANETOCENTRIC CONIC

C3 17.999 VHL 4.243 DLA 24.91 RAL 2.72 RAD 6567.7 VEL 11.806 PTH 2.09 VMP 7.723 DPA -6.46 RAP 4.10 ECC 1.2962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 25 3109.48 -27.15 104.33 231.05 81.63 2 17 14 2509.5 -28.03 95.77
 90.00 21 18 28 3913.65 -9.07 155.87 225.03 63.06 22 23 41 3313.6 -12.61 148.98
 100.00 3 9 16 2774.67 -29.30 80.01 231.36 83.79 3 55 31 2174.7 -29.85 71.25
 100.00 22 17 18 3723.69 -7.16 140.89 224.00 60.90 23 19 21 3123.7 -10.99 134.19
 110.00 5 0 24 2426.97 -34.16 53.97 231.73 88.79 5 40 51 1827.0 -33.95 44.73
 110.00 22 42 39 3644.15 -3.01 132.30 221.44 55.93 23 43 23 3044.2 -7.46 126.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0854 TRA .6862 TC3-5.2187 BAU 1.2563 SGT 5346.5 SGR 411.7 SG3 144.5 ST 2836.1 SR 375.8 SS 642.1
 RDE .2771 RRA -.0779 RC3 .1491 FAU .02457 RRT .1705 RRF .1497 RTF .8968 CRT .9782 CRS -.9196 CST -.9799
 FDE .6785 FRA .6547 FC3-1.1816 BSP 17121 SGB 5362.3 R23 -.0042 R13 .8968 LSA 2928.3 MSA 147.2 SSA 22.3
 BDE 2.1038 BRA .6906 BC3 5.2209 FSP -476 SG1 5346.9 SG2 405.6 TMA .76 EL1 2859.9 EL2 77.3 ALF 7.39

LAUNCH DATE DEC 24 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 526.323

RL 147.14 LAL .00 LOL 91.98 VL 26.411 GAL 2.00 AZL 86.66 HCA 265.29 SMA 119.96 ECC .22914 INC 3.3445 V1 30.278
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.541 GAP 12.12 AZP 90.27 TAL 173.25 TAP 78.55 RCA 92.47 APO 147.45 V2 34.858
 RC 185.395 GL 20.79 GP -4.13 ZAL 76.54 ZAP 172.49 ETS 327.78 ZAE 131.13 ETE 183.86 ZAC 98.88 ETC 167.23 CLP-173.72

PLANETOCENTRIC CONIC

C3 18.817 VHL 4.338 DLA 25.51 RAL 6.41 RAD 6567.8 VEL 11.841 PTH 2.10 VMP 7.913 DPA -5.33 RAP 6.26 ECC 1.3097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 2 3157.85 -26.62 107.77 235.60 79.98 2 21 40 2557.9 -27.74 99.28
 90.00 21 44 16 3886.08 -9.92 154.29 229.80 63.34 22 49 2 3286.1 -13.42 147.36
 100.00 3 15 10 2815.68 -28.96 83.01 236.02 82.25 4 2 6 2215.7 -29.73 74.29
 100.00 22 40 49 3703.49 -7.83 139.76 228.68 61.06 23 42 32 3103.5 -11.63 133.03
 110.00 5 9 11 2458.99 -34.09 56.47 236.56 87.31 5 50 10 1859.0 -34.09 47.22
 110.00 23 3 18 3632.94 -3.43 131.71 225.98 55.97 24 3 51 3032.9 -7.88 125.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1504 TRA .9321 TC3-5.0275 BAU 1.2652 SGT 5380.8 SGR 417.1 SG3 140.9 ST 2872.7 SR 386.2 SS 636.3
 RDE .2913 RRA -.0771 RC3 .1324 FAU .02305 RRT .1951 RRF .1722 RTF .9004 CRT .9720 CRS -.9111 CST -.9815
 FDE .6651 FRA .6971 FC3-1.0605 BSP 17294 SGB 5396.9 R23 -.0045 R13 .9004 LSA 2963.7 MSA 149.6 SSA 21.7
 BDE 2.1701 BRA .9353 BC3 5.0292 FSP -468 SG1 5381.4 SG2 409.0 TMA .87 EL1 2897.2 EL2 90.0 ALF 7.45

LAUNCH DATE DEC 24 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 531.811

RL 147.14 LAL .00 LOL 91.98 VL 26.362 GAL 2.60 AZL 86.71 HCA 268.47 SMA 119.68 ECC .23369 INC 3.2938 V1 30.278
 RP 108.68 LAP -3.29 LOP .44 VP 36.515 GAP 12.46 AZP 90.09 TAL 171.42 TAP 79.89 RCA 91.71 APO 147.65 V2 34.868
 RC 187.357 GL 19.86 GP -4.01 ZAL 73.24 ZAP 173.16 ETS 325.38 ZAE 131.24 ETE 183.79 ZAC 101.21 ETC 167.42 CLP-174.46

PLANETOCENTRIC CONIC

C3 19.829 VHL 4.453 DLA 26.02 RAL 10.10 RAD 6567.8 VEL 11.883 PTH 2.11 VMP 8.117 DPA -4.20 RAP 8.43 ECC 1.3263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 13 3205.93 -26.01 111.16 240.24 78.39 2 26 39 2605.9 -27.35 102.75
 90.00 22 9 29 3862.78 -10.63 152.94 234.68 63.60 23 13 51 3262.8 -14.09 145.98
 100.00 3 21 48 2855.85 -28.56 85.93 240.76 80.76 4 9 24 2255.9 -29.54 77.26
 100.00 23 3 34 3688.09 -8.33 138.89 233.46 61.19 24 5 3 3088.1 -12.12 132.15
 110.00 5 18 36 2490.40 -33.96 58.91 241.50 85.87 6 0 7 1890.4 -34.16 49.67
 110.00 23 23 16 3626.31 -3.69 131.37 230.61 55.99 24 23 42 3026.3 -8.12 125.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2121 TRA 1.1916 TC3-4.7984 BAU 1.2724 SGT 5410.5 SGR 421.7 SG3 137.4 ST 2894.7 SR 396.0 SS 629.4
 RDE .3067 RRA -.0748 RC3 .1154 FAU .02156 RRT .2197 RRF .1959 RTF .9040 CRT .9653 CRS -.9027 CST -.9830
 FDE .6520 FRA .7399 FC3 -.9415 BSP 17429 SGB 5427.0 R23 -.0040 R13 .9040 LSA 2984.7 MSA 153.3 SSA 20.9
 BDE 2.2332 BRA 1.1939 BC3 4.7998 FSP -457 SG1 5411.3 SG2 411.3 TMA .99 EL1 2919.9 EL2 102.6 ALF 7.53

LAUNCH DATE DEC 24 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 24 1966

DISTANCE 537.260

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 26.314 GAL 3.23 AZL 86.76 MCA 271.64 SMA 119.40 ECC .23867 INC 3.2432 V1 30.278
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.490 GAP 12.82 A7P 89.91 TAL 169.59 TAP 81.23 RCA 90.91 APO 147.90 V2 34.878
 RC 189.297 GL 18.90 GP -3.90 ZAL 69.99 ZAP 173.81 ETS 322.36 ZAE 131.35 ETE 183.73 ZAC 103.56 ETC 167.58 CLP-175.19

PLANETOCENTRIC CONIC
 C3 21.060 VHL 4.589 CLA 26.44 RAL 13.75 RAD 6567.9 VEL 11.935 PTH 2.12 VHP 8.335 DPA -3.09 RAP 10.61 ECC 1.3466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 9 3252.73 -25.33 114.42 244.93 76.90 2 32 22 2652.7 -26.88 106.09
 90.00 22 33 41 3844.77 -11.17 151.90 239.62 63.81 23 37 46 3244.8 -14.60 144.90
 100.00 3 29 17 2894.46 -28.10 88.71 245.58 79.37 4 17 32 2294.5 -29.28 80.10
 100.00 23 25 14 3678.27 -8.65 138.34 238.30 61.28 24 26 32 3078.3 -12.42 131.58
 110.00 5 28 41 2520.86 -33.79 61.28 246.52 84.48 6 10 42 1920.9 -34.18 52.05
 110.00 23 42 19 3624.64 -3.75 131.28 235.29 56.00 24 42 44 3024.6 -8.19 125.00

MID-COURSE EXECUTION ACCURACY
 SGT 5436.1 SGR 425.3 SG3 134.0
 RRT .2442 RRF .2193 RTF .9080
 SGB 5452.8 R23 -.0038 R13 .9080
 SGI 5437.1 SG2 412.3 TMA 1.10

ORBIT DETERMINATION ACCURACY
 ST 2900.7 SR 404.7 SS 620.3
 CRT .9580 CRS -.8939 CST -.9842
 LSA 2989.5 MSA 158.2 SSA 20.0
 EL1 2926.6 EL2 115.0 ALF 7.62

DIFFERENTIAL CORRECTIONS
 TOE 2.2687 TRA 1.4651 TC3-4.5390 BAU 1.2783
 RDE .3233 RRA -.0710 RC3 .0985 FAU .02015
 FDE .6378 FRA .7830 FC3 -.8283 BSP 17571
 BDE 2.2916 BRA 1.4668 BC3 4.5401 FSP -448

LAUNCH DATE DEC 24 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 26 1966

DISTANCE 542.664

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 26.266 GAL 3.89 AZL 86.81 MCA 274.82 SMA 119.14 ECC .24413 INC 3.1924 V1 30.278
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.466 GAP 13.21 A7P 89.73 TAL 167.77 TAP 82.59 RCA 90.05 APO 148.22 V2 34.889
 RC 191.216 GL 17.90 GP -3.79 ZAL 66.81 ZAP 174.43 ETS 318.54 ZAE 131.45 ETE 183.68 ZAC 105.90 ETC 167.69 CLP-175.92

PLANETOCENTRIC CONIC
 C3 22.539 VHL 4.748 CLA 26.78 RAL 17.35 RAD 6567.9 VEL 11.997 PTH 2.14 VHP 8.569 DPA -1.99 RAP 12.79 ECC 1.3709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 9 3297.10 -24.61 117.47 249.66 75.53 2 39 6 2697.1 -26.36 109.23
 90.00 22 56 24 3833.19 -11.52 151.22 244.60 63.95 24 0 17 3233.2 -14.93 144.21
 100.00 3 37 46 2930.82 -27.62 91.30 250.45 78.08 4 26 36 2330.8 -28.98 82.76
 100.00 23 45 28 3674.70 -8.77 138.14 243.15 61.31 24 46 43 3074.7 -12.54 131.38
 110.00 5 39 26 2550.12 -33.57 63.53 251.59 83.16 6 21 56 1950.1 -34.16 54.34
 110.00 0 4 13 3628.17 -3.61 131.46 239.99 55.99 1 4 41 3028.2 -8.06 125.19

MID-COURSE EXECUTION ACCURACY
 SGT 5457.0 SGR 428.1 SG3 130.7
 RRT .2692 RRF .2445 RTF .9117
 SGB 5473.8 R23 -.0024 R13 .9117
 SGI 5458.2 SG2 412.2 TMA 1.22

ORBIT DETERMINATION ACCURACY
 ST 2896.0 SR 412.3 SS 611.7
 CRT .9503 CRS -.8851 CST -.9855
 LSA 2983.9 MSA 164.0 SSA 19.0
 EL1 2922.5 EL2 127.2 ALF 7.72

DIFFERENTIAL CORRECTIONS
 TOE 2.3237 TRA 1.7571 TC3-4.2484 BAU 1.2804
 RDE .3410 RRA -.0653 RC3 .0824 FAU .01869
 FDE .6253 FRA .8284 FC3 -.7179 BSP 17610
 BDE 2.3486 BRA 1.7583 BC3 4.2492 FSP -436

LAUNCH DATE DEC 24 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 28 1966

DISTANCE 548.017

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 26.219 GAL 4.58 AZL 86.86 MCA 278.00 SMA 118.87 ECC .25013 INC 3.1411 V1 30.278
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.443 GAP 13.62 A7P 89.56 TAL 165.97 TAP 83.97 RCA 89.14 APO 148.61 V2 34.900
 RC 193.113 GL 16.89 GP -3.70 ZAL 63.71 ZAP 175.02 ETS 313.67 ZAE 131.55 ETE 183.64 ZAC 108.25 ETC 167.78 CLP-176.66

PLANETOCENTRIC CONIC
 C3 24.301 VHL 4.930 CLA 27.02 RAL 20.87 RAD 6568.0 VEL 12.070 PTH 2.16 VHP 8.821 DPA -.89 RAP 14.97 ECC 1.3999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 30 3337.70 -23.89 120.22 254.44 74.33 2 47 8 2737.7 -25.81 112.08
 90.00 23 17 7 3829.35 -11.63 151.00 249.55 64.00 24 20 56 3229.3 -15.03 143.98
 100.00 3 47 19 2964.35 -27.12 93.67 255.35 76.93 4 36 43 2364.4 -28.65 85.20
 100.00 0 7 55 3677.92 -8.67 138.32 247.99 61.28 1 9 13 3077.9 -12.43 131.56
 110.00 5 50 47 2578.00 -33.33 65.67 256.69 81.92 6 33 45 1978.0 -34.09 56.51
 110.00 0 20 57 3637.04 -3.28 131.93 244.69 55.96 1 21 34 3057.0 -7.72 125.66

MID-COURSE EXECUTION ACCURACY
 SGT 5473.8 SGR 429.8 SG3 127.4
 RRT .2933 RRF .2685 RTF .9159
 SGB 5490.6 R23 -.0017 R13 .9159
 SGI 5475.2 SG2 410.7 TMA 1.33

ORBIT DETERMINATION ACCURACY
 ST 2872.5 SR 418.5 SS 600.7
 CRT .9420 CRS -.8758 CST -.9865
 LSA 2959.4 MSA 170.4 SSA 18.1
 EL1 2899.5 EL2 139.1 ALF 7.83

DIFFERENTIAL CORRECTIONS
 TOE 2.3698 TRA 2.0614 TC3-3.9469 BAU 1.2825
 RDE .3595 RRA -.0580 RC3 .0671 FAU .01735
 FDE .6109 FRA .8731 FC3 -.6181 BSP 17730
 BDE 2.3970 BRA 2.0622 BC3 3.9475 FSP -427

LAUNCH DATE DEC 24 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUN 30 1966

DISTANCE 553.309

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 26.173 GAL 5.31 AZL 86.91 MCA 281.19 SMA 118.62 ECC .25672 INC 3.0890 V1 30.278
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.420 GAP 14.07 A7P 89.40 TAL 164.18 TAP 85.36 RCA 88.17 APO 149.07 V2 34.912
 RC 194.989 GL 15.87 GP -3.61 ZAL 60.72 ZAP 175.55 ETS 307.44 ZAE 131.64 ETE 183.60 ZAC 110.60 ETC 167.83 CLP-177.40

PLANETOCENTRIC CONIC
 C3 26.388 VHL 5.137 CLA 27.17 RAL 24.29 RAD 6568.1 VEL 12.156 PTH 2.18 VHP 9.093 DPA .19 RAP 17.16 ECC 1.4343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 33 3373.25 -23.22 122.61 259.24 73.31 2 56 46 2773.3 -25.28 114.55
 90.00 23 35 21 3834.43 -11.48 151.30 254.44 63.94 24 39 16 3234.4 -14.89 144.28
 100.00 3 57 59 2994.65 -26.64 95.79 260.28 75.91 4 47 54 2394.7 -28.31 87.39
 100.00 0 24 32 3688.26 -8.33 138.90 252.78 61.19 1 26 0 3088.3 -12.11 132.16
 110.00 6 2 41 2604.46 -33.06 67.69 261.81 80.76 6 46 5 2004.5 -33.98 58.57
 110.00 0 36 20 3651.22 -2.74 132.67 249.35 55.91 1 37 11 3051.2 -7.19 126.41

MID-COURSE EXECUTION ACCURACY
 SGT 5486.3 SGR 430.5 SG3 124.1
 RRT .3174 RRF .2929 RTF .9202
 SGB 5503.2 R23 -.0008 R13 .9202
 SGI 5488.0 SG2 408.1 TMA 1.43

ORBIT DETERMINATION ACCURACY
 ST 2837.2 SR 423.0 SS 589.5
 CRT .9332 CRS -.8663 CST -.9875
 LSA 2923.0 MSA 177.3 SSA 17.2
 EL1 2864.6 EL2 150.6 ALF 7.94

DIFFERENTIAL CORRECTIONS
 TOE 2.4113 TRA 2.3833 TC3-3.6339 BAU 1.2821
 RDE .3789 RRA -.0489 RC3 .0531 FAU .01604
 FDE .5969 FRA .9193 FC3 -.5263 BSP 17829
 BDE 2.4409 BRA 2.3838 BC3 3.6343 FSP -418

LAUNCH DATE DEC 24 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 558.532

RL 147.14 LAL .00 LOL 91.98 VL 26.128 GAL 6.09 AZL 86.96 HCA 284.37 SMA 118.37 ECC .26396 INC 3.0356 V1 30.278
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.399 GAP 14.56 AZP 89.25 TAL 162.41 TAP 86.78 RCA 87.12 APO 149.61 V2 34.924
 RC 196.842 GL 14.84 GP -3.53 ZAL 57.83 ZAP 176.01 ETS 299.48 ZAE 131.72 ETE 183.56 ZAC 112.94 ETC 167.84 CLP-178.15

PLANETOCENTRIC CONIC

C3 28.849 VHL 5.371 OLA 27.24 RAL 27.59 RAD 6568.2 VEL 12.257 PTH 2.21 VHP 9.388 OPA 1.25 RAP 19.35 ECC 1.4748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 29 3402.85 -22.62 124.58 264.07 72.50 3 8 12 2802.8 -24.81 116.59
 90.00 23 50 46 3849.23 -11.04 152.16 259.22 63.76 24 54 55 3249.2 -14.47 145.17
 100.00 4 9 46 3021.56 -26.18 97.66 265.21 75.03 5 0 7 2421.6 -27.98 89.32
 100.00 0 39 6 3705.75 -7.75 139.88 257.49 61.04 1 40 52 3105.7 -11.56 133.16
 110.00 6 15 3 2629.52 -32.77 69.59 266.91 79.67 6 58 52 2029.5 -33.84 60.52
 110.00 0 50 19 3670.55 -2.00 133.68 253.94 55.87 1 51 29 3070.6 -6.46 127.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.4472 TRA 2.7235 TC3-3.3162 BAU 1.2791 SGT 5494.0 SGR 430.2 SG3 121.0 ST 2790.6 SR 425.8 SS 578.3
 RDE .3989 RRA -.0380 RC3 .0407 FAU .01477 RRT .3412 RRF .3172 RTF .9246 CRT .9236 CRS -.8563 CST -.9885
 FDE .5831 FRA .9671 FC3 -.4433 BSP 17919 SGB 5510.8 R23 -.0000 R13 -.9246 LSA 2875.6 MSA 184.4 SSA 16.3
 BOE 2.4795 BRA 2.7238 BC3 3.3165 FSP -409 SGI 5495.9 SG2 404.3 THA 1.54 EL1 2818.3 EL2 161.6 ALF 8.05

LAUNCH DATE DEC 24 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 563.674

RL 147.14 LAL .00 LOL 91.98 VL 26.084 GAL 6.91 AZL 87.02 HCA 287.56 SMA 118.12 ECC .27193 INC 2.9807 V1 30.278
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.379 GAP 15.08 AZP 89.10 TAL 160.66 TAP 88.22 RCA 86.00 APO 150.24 V2 34.936
 RC 198.673 GL 13.83 GP -3.46 ZAL 55.07 ZAP 176.37 ETS 289.51 ZAE 131.79 ETE 183.53 ZAC 115.28 ETC 167.82 CLP-178.90

PLANETOCENTRIC CONIC

C3 31.744 VHL 5.634 OLA 27.24 RAL 30.76 RAD 6568.3 VEL 12.374 PTH 2.23 VHP 9.708 OPA 2.30 RAP 21.54 ECC 1.5224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 18 3426.27 -22.14 126.12 268.93 71.88 3 21 25 2826.3 -24.41 118.19
 90.00 0 7 11 3873.78 -10.29 153.58 263.88 63.47 1 11 44 3273.8 -13.77 146.63
 100.00 4 22 31 3045.19 -25.75 99.29 270.13 74.28 5 13 16 2445.2 -27.66 91.00
 100.00 0 51 39 3730.09 -6.95 141.24 262.09 60.85 1 53 49 3130.1 -10.78 134.55
 110.00 6 27 45 2653.29 -32.46 71.38 271.98 78.65 7 11 59 2053.3 -33.69 62.36
 110.00 1 2 54 3694.76 -1.07 134.94 258.46 55.83 2 4 29 3094.8 -5.55 128.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.4833 TRA 3.0877 TC3-2.9950 BAU 1.2711 SGT 5499.0 SGR 429.1 SG3 118.0 ST 2740.5 SR 426.9 SS 568.7
 RDE .4197 RRA -.0249 RC3 .0301 FAU .01348 RRT .3656 RRF .3424 RTF .9291 CRT .9135 CRS -.8462 CST -.9894
 FDE .5712 FRA 1.0184 FC3 -.3675 BSP 17899 SGB 5515.7 R23 .0010 R13 .9291 LSA 2824.7 MSA 191.4 SSA 15.5
 BOE 2.5186 BRA 3.0878 BC3 2.9952 FSP -397 SGI 5501.3 SG2 399.2 THA 1.64 EL1 2768.2 EL2 171.9 ALF 8.13

LAUNCH DATE DEC 24 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 568.719

RL 147.14 LAL .00 LOL 91.98 VL 26.040 GAL 7.78 AZL 87.08 HCA 290.75 SMA 117.88 ECC .28072 INC 2.9238 V1 30.278
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.360 GAP 15.66 AZP 88.96 TAL 158.95 TAP 89.70 RCA 84.79 APO 150.97 V2 34.948
 RC 200.481 GL 12.83 GP -3.40 ZAL 52.43 ZAP 176.59 ETS 277.57 ZAE 131.85 ETE 183.51 ZAC 117.60 ETC 167.75 CLP-179.67

PLANETOCENTRIC CONIC

C3 35.148 VHL 5.929 OLA 27.16 RAL 33.79 RAD 6568.4 VEL 12.511 PTH 2.27 VHP 10.057 OPA 3.33 RAP 23.73 ECC 1.5784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 44 3444.14 -21.75 127.29 273.79 71.41 3 36 9 2844.1 -24.09 119.40
 90.00 0 16 53 3907.28 -9.27 155.50 268.38 63.12 1 22 1 3307.3 -12.80 148.61
 100.00 4 36 5 3065.89 -25.36 100.70 275.03 73.63 5 27 10 2465.9 -27.36 92.47
 100.00 1 2 14 3760.76 -5.93 142.95 266.58 60.65 2 4 55 3160.8 -9.79 136.29
 110.00 6 40 41 2675.94 -32.15 73.07 277.01 77.70 7 25 17 2075.9 -33.51 64.10
 110.00 1 14 7 3723.47 .03 136.44 262.89 55.82 2 16 10 3123.5 -4.46 130.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.5112 TRA 3.4696 TC3-2.6848 BAU 1.2616 SGT 5497.9 SGR 426.8 SG3 115.0 ST 2679.0 SR 425.9 SS 558.6
 RDE .4407 RRA -.0101 RC3 .0210 FAU .01229 RRT .3892 RRF .3666 RTF .9338 CRT .9025 CRS -.8356 CST -.9904
 FDE .5586 FRA 1.0705 FC3 -.3027 BSP 17974 SGB 5514.5 R23 .0014 R13 .9338 LSA 2762.4 MSA 198.2 SSA 14.7
 BOE 2.5495 BRA 3.4696 BC3 2.6849 FSP -389 SGI 5500.5 SG2 393.0 THA 1.74 EL1 2706.6 EL2 181.5 ALF 8.20

LAUNCH DATE DEC 24 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 573.649

RL 147.14 LAL .00 LOL 91.98 VL 25.997 GAL 8.71 AZL 87.14 HCA 293.94 SMA 117.65 ECC .29042 INC 2.8643 V1 30.278
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.341 GAP 16.29 AZP 88.84 TAL 157.28 TAP 91.22 RCA 83.48 APO 151.82 V2 34.961
 RC 202.264 GL 11.84 GP -3.34 ZAL 49.93 ZAP 176.63 ETS 264.39 ZAE 131.89 ETE 183.48 ZAC 119.92 ETC 167.64 CLP 179.55

PLANETOCENTRIC CONIC

C3 39.150 VHL 6.257 OLA 27.02 RAL 36.66 RAD 6568.5 VEL 12.670 PTH 2.30 VHP 10.439 OPA 4.34 RAP 25.92 ECC 1.6443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 21 3457.66 -21.46 128.17 278.64 71.07 3 51 58 2857.7 -23.84 120.32
 90.00 0 24 13 3948.25 -8.00 157.85 272.73 62.75 1 30 1 3348.2 -11.59 151.01
 100.00 4 50 13 3084.14 -25.01 101.94 279.89 73.07 5 41 37 2484.1 -27.09 93.76
 100.00 1 11 2 3797.00 -4.71 144.95 270.94 60.45 2 14 19 3197.0 -8.62 138.34
 110.00 6 53 43 2697.66 -31.82 74.68 281.98 76.80 7 38 41 2097.7 -33.31 65.76
 110.00 1 24 1 3756.25 1.28 138.15 267.22 55.84 2 26 37 3156.2 -3.21 131.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.5364 TRA 3.8765 TC3-2.3845 BAU 1.2481 SGT 5493.4 SGR 423.5 SG3 112.1 ST 2613.7 SR 423.1 SS 549.8
 RDE .4620 RRA .0068 RC3 .0136 FAU .01112 RRT .4126 RRF .3908 RTF .9387 CRT .8908 CRS -.8247 CST -.9913
 FDE .5471 FRA 1.1257 FC3 -.2459 BSP 18043 SGB 5509.7 R23 .0018 R13 .9387 LSA 2696.4 MSA 204.5 SSA 14.0
 BOE 2.5781 BRA 3.8765 BC3 2.3846 FSP -380 SGI 5496.2 SG2 385.6 THA 1.83 EL1 2640.9 EL2 190.2 ALF 8.25

LAUNCH DATE DEC 24 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 578.443

RL 147.14 LAL .00 LOL 91.98 VL 25.955 GAL 9.71 AZL 87.20 HCA 297.13 SMA 117.42 ECC .30116 INC 2.8018 V1 30.278
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.324 GAP 16.98 A7P 88.72 TAL 155.64 TAP 92.78 RCA 82.06 APO 152.79 V2 34.974
 RC 204.023 GL 10.88 GP -3.28 ZAL 47.57 ZAP 176.49 ETS 251.28 ZAE 131.91 ETE 183.46 ZAC 122.22 ETC 167.49 CLP 178.74

PLANETOCENTRIC CONIC

C3 43.861 VHL 6.623 DLA 26.83 RAL 39.37 RAD 6568.7 VEL 12.854 PTH 2.34 VHP 10.858 DPA 5.33 RAP 28.10 ECC 1.7218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 37 3468.20 -21.22 128.86 283.45 70.80 4 8 26 2868.2 -23.65 121.03
 90.00 0 29 35 3995.05 -6.53 160.50 276.92 62.39 1 36 10 3395.0 -10.18 153.72
 100.00 5 4 41 3100.51 -24.68 103.04 284.69 72.57 5 56 21 2500.5 -26.83 94.90
 100.00 1 18 13 3837.97 -3.33 147.21 275.17 60.28 2 22 11 3238.0 -7.27 140.63
 110.00 7 6 43 2718.63 -31.48 76.22 286.87 75.94 7 52 2 2118.6 -33.09 67.36
 110.00 1 32 40 3792.62 2.67 140.05 271.44 55.91 2 35 52 3192.6 -1.82 133.84

DIFFERENTIAL CORRECTIONS

TDE 2.5612 TRA 4.3092 TC3-2.0966 BAU 1.2294
 RDE .4835 RRA .0258 RC3 .0078 FAU .00996
 FDE .5370 FRA 1.1847 FC3 -.1967 BSP 18080
 BDE 2.6064 BRA 4.3093 BC3 2.0966 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 5484.0 SGR 419.2 SG3 109.4
 RRT .4360 RRF .4151 RTF .9436
 SGB 5500.0 R23 .0019 R13 .9436
 SG1 5487.1 SG2 377.0 THA 1.92

ORBIT DETERMINATION ACCURACY

ST 2547.0 SR 418.4 SS 542.6
 CRT .8786 CRS -.8136 CST -.9922
 LSA 2629.2 MSA 210.0 SSA 13.3
 EL1 2573.6 EL2 197.7 ALF 8.26

LAUNCH DATE DEC 24 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 583.073

RL 147.14 LAL .00 LOL 91.98 VL 25.914 GAL 10.79 AZL 87.26 HCA 300.33 SMA 117.20 ECC .31308 INC 2.7356 V1 30.278
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.307 GAP 17.74 A7P 88.62 TAL 154.07 TAP 94.40 RCA 80.51 APO 153.90 V2 34.987
 RC 205.757 GL 9.95 GP -3.23 ZAL 45.34 ZAP 176.16 ETS 239.51 ZAE 131.90 ETE 183.43 ZAC 124.49 ETC 167.30 CLP 177.92

PLANETOCENTRIC CONIC

C3 49.422 VHL 7.030 DLA 26.58 RAL 41.92 RAD 6568.8 VEL 13.068 PTH 2.39 VHP 11.321 DPA 6.29 RAP 30.28 ECC 1.8134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 9 3476.92 -21.03 129.42 288.19 70.58 4 25 6 2876.9 -23.48 121.61
 90.00 0 33 24 4046.18 -4.91 163.38 280.98 62.08 1 40 50 3446.2 -8.61 156.66
 100.00 5 19 15 3115.50 -24.37 104.05 289.42 72.13 6 11 11 2515.5 -26.58 95.95
 100.00 1 23 59 3882.83 -1.82 149.68 279.27 60.16 2 28 41 3282.8 -5.77 143.13
 110.00 7 19 35 2739.01 -31.14 77.71 291.66 75.12 8 5 14 2139.0 -32.86 68.91
 110.00 1 40 9 3832.09 4.17 142.11 275.54 56.04 2 44 1 3232.1 -1.31 135.90

DIFFERENTIAL CORRECTIONS

TDE 2.5889 TRA 4.7763 TC3-1.8208 BAU 1.2031
 RDE .5052 RRA .0469 RC3 .0037 FAU .00877
 FDE .5292 FRA 1.2488 FC3 -.1536 BSP 18022
 BDE 2.6377 BRA 4.7765 BC3 1.8208 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 5472.9 SGR 414.0 SG3 106.8
 RRT .4598 RRF .4400 RTF .9485
 SGB 5488.6 R23 .0021 R13 .9485
 SG1 5476.3 SG2 367.4 THA 2.00

ORBIT DETERMINATION ACCURACY

ST 2482.5 SR 411.9 SS 538.0
 CRT .8659 CRS -.8029 CST -.9932
 LSA 2564.4 MSA 214.5 SSA 12.6
 EL1 2508.2 EL2 204.0 ALF 8.23

LAUNCH DATE DEC 24 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 587.503

RL 147.14 LAL .00 LOL 91.98 VL 25.874 GAL 11.96 AZL 87.34 HCA 303.53 SMA 116.99 ECC .32634 INC 2.6648 V1 30.278
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.291 GAP 18.58 A7P 88.53 TAL 152.55 TAP 96.08 RCA 78.81 APO 155.17 V2 35.000
 RC 207.465 GL 9.05 GP -3.18 ZAL 43.27 ZAP 175.67 ETS 229.69 ZAE 131.86 ETE 183.41 ZAC 126.73 ETC 167.06 CLP 177.06

PLANETOCENTRIC CONIC

C3 56.006 VHL 7.484 DLA 26.29 RAL 44.30 RAD 6569.0 VEL 13.318 PTH 2.43 VHP 11.833 DPA 7.22 RAP 32.44 ECC 1.9217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 35 3484.67 -20.85 129.92 292.84 70.39 4 41 39 2884.7 -23.33 122.13
 90.00 0 35 58 4100.43 -3.17 166.42 284.89 61.85 1 44 18 3500.4 -6.91 159.74
 100.00 5 33 44 3129.52 -24.07 104.99 294.04 71.72 6 25 54 2529.5 -26.35 96.92
 100.00 1 28 29 3930.81 -.19 152.31 283.23 60.11 2 34 0 3350.8 -4.17 145.78
 110.00 7 32 11 2758.92 -30.78 79.15 296.35 74.34 8 18 10 2158.9 -32.62 70.41
 110.00 1 46 32 3874.18 5.77 144.33 279.53 56.25 2 51 6 3274.2 1.30 138.10

DIFFERENTIAL CORRECTIONS

TDE 2.6131 TRA 5.2724 TC3-1.5653 BAU 1.1720
 RDE .5267 RRA .0700 RC3 .0007 FAU .00763
 FDE .5217 FRA 1.3165 FC3 -.1180 BSP 18053
 BDE 2.6657 BRA 5.2728 BC3 1.5653 FSP -353

MID-COURSE EXECUTION ACCURACY

SGT 5455.5 SGR 407.6 SG3 104.2
 RRT .4828 RRF .4640 RTF .9536
 SGB 5470.7 R23 .0019 R13 .9536
 SG1 5459.1 SG2 356.7 THA 2.07

ORBIT DETERMINATION ACCURACY

ST 2414.9 SR 403.6 SS 534.5
 CRT .8525 CRS -.7919 CST -.9941
 LSA 2496.6 MSA 217.9 SSA 12.0
 EL1 2439.5 EL2 208.9 ALF 8.17

LAUNCH DATE DEC 24 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 591.690

RL 147.14 LAL .00 LOL 91.98 VL 25.835 GAL 13.22 AZL 87.41 HCA 306.73 SMA 116.78 ECC .34114 INC 2.5886 V1 30.278
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.276 GAP 19.52 A7P 88.45 TAL 151.12 TAP 97.85 RCA 76.94 APO 156.62 V2 35.014
 RC 209.146 GL 8.17 GP -3.14 ZAL 41.34 ZAP 175.05 ETS 221.82 ZAE 131.78 ETE 183.38 ZAC 128.94 ETC 166.76 CLP 176.17

PLANETOCENTRIC CONIC

C3 63.834 VHL 7.990 DLA 25.97 RAL 46.51 RAD 6569.2 VEL 13.608 PTH 2.49 VHP 12.403 DPA 8.13 RAP 34.58 ECC 2.0505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 40 3492.00 -20.68 130.39 297.38 70.22 4 57 52 2892.0 -23.19 122.62
 90.00 0 37 30 4156.82 -1.36 169.57 288.66 61.71 1 46 47 3556.8 -5.13 162.92
 100.00 5 47 58 3142.86 -23.79 105.87 298.55 71.34 6 40 21 2542.9 -26.11 97.85
 100.00 1 31 53 3981.20 1.52 155.08 287.06 60.14 2 38 15 3381.2 -2.47 148.55
 110.00 7 44 27 2778.40 -30.41 80.55 300.90 75.59 8 30 45 2178.4 -32.36 71.87
 110.00 1 51 54 3918.43 7.44 146.67 283.40 56.54 2 57 12 3318.4 2.98 140.41

DIFFERENTIAL CORRECTIONS

TDE 2.6405 TRA 5.8064 TC3-1.3270 BAU 1.1325
 RDE .5480 RRA .0953 RC3 -.0011 FAU .00647
 FDE .5162 FRA 1.3904 FC3 -.0877 BSP 18064
 BDE 2.6967 BRA 5.8072 BC3 1.3270 FSP -345

MID-COURSE EXECUTION ACCURACY

SGT 5434.4 SGR 400.3 SG3 101.7
 RRT .5037 RRF .4880 RTF .9586
 SGB 5449.1 R23 .0015 R13 .9586
 SG1 5438.2 SG2 345.1 THA 2.14

ORBIT DETERMINATION ACCURACY

ST 2349.5 SR 393.7 SS 533.4
 CRT .8389 CRS -.7812 CST -.9949
 LSA 2431.3 MSA 219.9 SSA 11.4
 EL1 2372.8 EL2 212.2 ALF 8.07

LAUNCH DATE DEC 24 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 25.797 GAL 14.61 AZL 87.49 MCA 309.93 SMA 116.58 ECC .35770 INC 2.5056 V1 30.278
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.262 GAP 20.57 A7P 88.39 TAL 149.77 TAP 99.71 RCA 74.88 APO 158.28 V2 35.027
 RC 210.800 GL 7.33 GP -3.10 ZAL 39.56 ZAP 174.32 ETS 215.58 ZAE 131.66 ETE 183.35 ZAC 131.11 ETC 166.41 CLP 175.23

PLANETOCENTRIC CONIC
 C3 73.189 VHL 8.555 DLA 25.60 RAL 48.55 RAD 6569.4 VEL 13.948 PTH 2.55 VHP 13.041 DPA 8.99 RAP 36.69 ECC 2.2045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 15 14 3499.18 -20.51 130.86 301.77 70.04 5 13 33 2899.2 -23.05 123.10
 90.00 0 38 9 4214.63 .51 172.80 292.28 61.69 1 48 23 3614.6 -3.28 166.16
 100.00 6 1 47 3155.67 -23.50 106.72 302.92 70.98 6 54 23 2555.7 -25.88 98.73
 100.00 1 34 17 4033.37 3.28 157.94 290.74 60.27 2 41 30 3433.4 -.70 151.42
 110.00 7 56 17 2797.43 -30.04 81.90 305.30 72.86 8 42 55 2197.4 -32.09 73.29
 110.00 1 56 16 3964.38 9.15 149.12 287.14 56.92 3 2 21 3364.4 4.73 142.82

MID-COURSE EXECUTION ACCURACY
 SGT 5409.4 SGR 392.0 SG3 99.4 ST 2286.9 SR 382.2 SS 535.0
 RRT .5284 RRF .5120 RTF .9636 CRT .8252 CRS -.7710 CST -.9957
 SGB 5423.5 R23 .0010 R13 .9636 LSA 2369.2 MSA 220.5 SSA 10.8
 SG1 5413.3 SG2 332.5 THA 2.20 EL1 2308.7 EL2 213.9 ALF 7.92

DIFFERENTIAL CORRECTIONS
 TOE 2.6726 TRA 6.3835 TC3 -1.1063 BAU 1.0824
 RDE .5692 RRA .1227 RC3 -.0019 FAU .00525
 FDE .5129 FRA 1.4712 FC3 -.0620 BSP 18053
 BOE 2.7325 BRA 6.3847 BC3 1.1063 FSP -337

LAUNCH DATE DEC 24 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 25.761 GAL 16.13 AZL 87.59 MCA 313.14 SMA 116.39 ECC .37631 INC 2.4143 V1 30.278
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.249 GAP 21.75 A7P 88.35 TAL 148.54 TAP 101.68 RCA 72.59 APO 160.19 V2 35.040
 RC 212.427 GL 6.51 GP -3.06 ZAL 37.94 ZAP 173.48 ETS 210.62 ZAE 131.48 ETE 183.32 ZAC 133.22 ETC 166.01 CLP 174.24

PLANETOCENTRIC CONIC
 C3 84.439 VHL 9.189 DLA 25.21 RAL 50.40 RAD 6569.7 VEL 14.345 PTH 2.61 VHP 13.757 DPA 9.83 RAP 38.77 ECC 2.3897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 30 10 3506.29 -20.35 131.31 306.00 69.87 5 28 37 2906.3 -22.91 123.57
 90.00 0 37 59 4273.26 2.40 176.07 295.76 61.78 1 49 12 3673.3 -1.39 169.44
 100.00 6 15 6 3168.00 -23.23 107.53 307.12 70.64 7 7 54 2568.0 -25.66 99.58
 100.00 1 35 45 4086.79 5.08 160.89 294.28 60.50 2 43 51 3486.8 1.11 154.35
 110.00 8 7 38 2815.94 -29.66 83.21 309.53 72.17 8 54 34 2215.9 -31.81 74.66
 110.00 1 59 42 4011.61 10.90 151.66 290.75 57.40 3 6 34 3411.6 6.52 145.30

MID-COURSE EXECUTION ACCURACY
 SGT 5382.5 SGR 382.8 SG3 97.2 ST 2229.4 SR 369.4 SS 540.1
 RRT .5513 RRF .5363 RTF .9684 CRT .8120 CRS -.7618 CST -.9965
 SGB 5396.1 R23 .0006 R13 .9684 LSA 2313.1 MSA 219.3 SSA 10.2
 SG1 5386.7 SG2 319.1 THA 2.25 EL1 2249.7 EL2 213.7 ALF 7.73

DIFFERENTIAL CORRECTIONS
 TOE 2.7149 TRA 7.0132 TC3 -.9016 BAU 1.0178
 RDE .5903 RRA .1523 RC3 -.0018 FAU .00390
 FDE .5128 FRA 1.5612 FC3 -.0400 BSP 17943
 BOE 2.7783 BRA 7.0148 BC3 .9016 FSP -328

LAUNCH DATE DEC 24 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 25.726 GAL 17.82 AZL 87.69 MCA 316.35 SMA 116.21 ECC .39730 INC 2.3130 V1 30.278
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.238 GAP 23.08 A7P 88.33 TAL 147.45 TAP 103.80 RCA 70.04 APO 162.38 V2 35.053
 RC 214.027 GL 5.73 GP -3.02 ZAL 36.49 ZAP 172.55 ETS 206.63 ZAE 131.24 ETE 183.29 ZAC 135.27 ETC 165.56 CLP 173.19

PLANETOCENTRIC CONIC
 C3 98.062 VHL 9.903 DLA 24.79 RAL 52.06 RAD 6569.9 VEL 14.812 PTH 2.68 VHP 14.567 DPA 10.62 RAP 40.80 ECC 2.6139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 23 3513.23 -20.19 131.75 310.04 69.71 5 42 56 2913.2 -22.77 124.03
 90.00 0 37 3 4332.27 4.30 179.37 299.07 61.98 1 49 15 3732.3 .52 172.73
 100.00 6 27 49 3179.75 -22.96 108.30 311.13 70.32 7 20 49 2579.7 -25.43 100.38
 100.00 1 36 18 4140.98 6.89 163.90 297.65 60.84 2 45 19 3541.0 2.95 157.32
 110.00 8 18 24 2833.77 -29.28 84.46 313.56 71.52 9 5 38 2233.8 -31.52 75.97
 110.00 2 2 12 4059.72 12.65 154.29 294.20 57.98 3 9 52 3459.7 8.33 147.86

MID-COURSE EXECUTION ACCURACY
 SGT 5349.0 SGR 372.4 SG3 95.0 ST 2172.0 SR 355.3 SS 547.6
 RRT .5734 RRF .5597 RTF .9730 CRT .7989 CRS -.7529 CST -.9972
 SGB 5361.9 R23 -.0001 R13 .9731 LSA 2257.6 MSA 216.7 SSA 9.6
 SG1 5353.2 SG2 304.9 THA 2.29 EL1 2190.7 EL2 211.9 ALF 7.52

DIFFERENTIAL CORRECTIONS
 TOE 2.7610 TRA 7.6935 TC3 -.7172 BAU .9402
 RDE .6110 RRA .1838 RC3 -.0011 FAU .00249
 FDE .5144 FRA 1.6598 FC3 -.0220 BSP 17935
 BOE 2.8278 BRA 7.6957 BC3 .7172 FSP -321

LAUNCH DATE DEC 24 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 91.98 VL 25.694 GAL 19.70 AZL 87.80 MCA 319.56 SMA 116.04 ECC .42107 INC 2.1988 V1 30.278
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.227 GAP 24.61 A7P 88.33 TAL 146.52 TAP 106.08 RCA 67.18 APO 164.90 V2 35.067
 RC 215.599 GL 4.97 GP -2.99 ZAL 35.22 ZAP 171.51 ETS 203.36 ZAE 130.92 ETE 183.25 ZAC 137.23 ETC 165.05 CLP 172.05

PLANETOCENTRIC CONIC
 C3 114.692 VHL 10.709 DLA 24.34 RAL 53.53 RAD 6570.2 VEL 15.363 PTH 2.75 VHP 15.489 DPA 11.36 RAP 42.77 ECC 2.8875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 57 49 3519.79 -20.03 132.17 313.85 69.56 5 56 29 2919.8 -22.63 124.47
 90.00 0 35 19 4391.26 6.17 182.69 302.21 62.31 1 48 30 3791.3 2.42 176.02
 100.00 6 39 52 3190.74 -22.71 109.02 314.91 70.02 7 33 3 2590.7 -25.22 101.13
 100.00 1 35 57 4195.55 8.69 166.95 300.85 61.29 2 45 52 3595.5 4.79 160.33
 110.00 8 28 33 2850.71 -28.91 85.64 317.35 70.91 9 16 4 2250.7 -31.24 77.21
 110.00 2 3 45 4108.34 14.39 156.98 297.49 58.65 3 12 13 3508.3 10.13 150.47

MID-COURSE EXECUTION ACCURACY
 SGT 5311.7 SGR 361.1 SG3 93.0 ST 2118.3 SR 340.0 SS 558.9
 RRT .5951 RRF .5827 RTF .9774 CRT .7867 CRS -.7450 CST -.9978
 SGB 5324.0 R23 -.0008 R13 .9774 LSA 2206.8 MSA 212.4 SSA 9.0
 SG1 5316.1 SG2 290.0 THA 2.32 EL1 2135.2 EL2 208.2 ALF 7.27

DIFFERENTIAL CORRECTIONS
 TOE 2.8199 TRA 8.4384 TC3 -.5496 BAU .8427
 RDE .6315 RRA .2172 RC3 .0001 FAU .00088
 FDE .5193 FRA 1.7701 FC3 -.0066 BSP 17895
 BOE 2.8898 BRA 8.4412 BC3 .5496 FSP -314

LAUNCH DATE DEC 24 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 606.284

RL 147.14 LAL .00 LOL 91.98 VL 25.663 GAL 21.81 AZL 87.93 MCA 322.77 SMA 115.88 ECC .44807 INC 2.0685 V1 30.278
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.218 GAP 26.36 A7P 88.35 TAL 145.80 TAP 108.57 RCA 63.96 APO 167.80 V2 35.080
 RC 217.144 GL 4.24 GP -2.96 ZAL 34.13 ZAP 170.35 ETS 200.63 ZAE 130.49 ETE 183.20 ZAC 139.10 ETC 164.49 CLP 170.82

PLANETOCENTRIC CONIC

C3 135.177 VHL 11.627 DLA 23.87 RAL 54.78 RAD 6570.5 VEL 16.016 PTH 2.82 VHP 16.543 DPA 12.06 RAP 44.66 ECC 3.2247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 24 3525.63 -19.89 132.54 317.40 69.42 6 9 10 2925.6 -22.51 124.85
 90.00 0 32 44 4449.94 8.02 186.02 305.13 62.75 1 46 54 3849.9 4.30 179.31
 100.00 6 51 11 3200.68 -22.47 109.67 318.43 69.75 7 44 32 2600.7 -25.03 101.80
 100.00 1 34 39 4250.11 10.46 170.03 303.83 61.84 2 45 29 3650.1 6.61 163.36
 110.00 8 38 1 2866.45 -28.56 86.73 320.88 70.36 9 25 47 2266.5 -30.96 78.35
 110.00 2 4 18 4157.12 16.10 159.73 300.58 59.43 3 13 35 3557.1 11.92 153.11

DIFFERENTIAL CORRECTIONS

TDE 2.8943 TRA 9.2564 TC3 -.3985 BAU .7202
 RDE .6518 RRA .2523 RC3 .0016 FAU-.00100
 FDE .5281 FRA 1.8942 FC3 .0064 BSP 17846
 BDE 2.9668 BRA 9.2598 BC3 .3985 FSP -308

MID-COURSE EXECUTION ACCURACY

SGT 5270.1 SGR 348.8 SG3 91.0
 RRT .6162 RRF .6053 RTF .9814
 SGB 5281.7 R23 -.0015 R13 .9814
 SG1 5274.5 SG2 274.5 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 2067.5 SR 323.8 SS 574.4
 CRT .7756 CRS -.7384 CST -.9983
 LSA 2160.2 MSA 206.4 SSA 8.4
 EL1 2082.8 EL2 202.9 ALF 6.99

LAUNCH DATE DEC 24 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 606.995

RL 147.14 LAL .00 LOL 91.98 VL 25.635 GAL 24.20 AZL 88.08 MCA 325.99 SMA 115.73 ECC .47888 INC 1.9173 V1 30.278
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.210 GAP 28.38 A7P 88.41 TAL 145.33 TAP 111.32 RCA 60.31 APO 171.15 V2 35.092
 RC 218.662 GL 3.54 GP -2.93 ZAL 33.27 ZAP 169.06 ETS 198.32 ZAE 129.94 ETE 183.14 ZAC 140.85 ETC 163.90 CLP 169.46

PLANETOCENTRIC CONIC

C3 160.660 VHL 12.675 DLA 23.36 RAL 55.81 RAD 6570.7 VEL 16.792 PTH 2.90 VHP 17.759 DPA 12.70 RAP 46.45 ECC 3.6441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 5 3530.34 -19.78 132.84 320.65 69.31 6 20 56 2930.3 -22.42 125.17
 90.00 0 29 13 4308.05 9.81 189.34 307.82 63.30 1 44 21 3908.1 6.15 182.58
 100.00 7 1 41 3209.22 -22.27 110.22 321.66 69.53 7 55 10 2609.2 -24.86 102.38
 100.00 1 32 19 4304.40 12.18 173.14 306.58 62.49 2 44 3 3704.4 8.40 166.39
 110.00 8 46 42 2880.65 -28.23 87.70 324.09 69.87 9 34 43 2280.7 -30.70 79.38
 110.00 2 3 47 4205.74 17.76 162.52 303.44 60.30 3 13 52 3605.7 13.67 155.79

DIFFERENTIAL CORRECTIONS

TDE 2.9931 TRA10.1621 TC3 -.2624 BAU .5637
 RDE .6723 RRA .2888 RC3 .0034 FAU-.00330
 FDE .5424 FRA 2.0356 FC3 .0178 BSP 17679
 BDE 3.0677 BRA10.1662 BC3 .2624 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 5226.0 SGR 335.6 SG3 89.2
 RRT .6369 RRF .6273 RTF .9851
 SGB 5236.8 R23 -.0021 R13 .9851
 SG1 5230.4 SG2 258.5 THA 2.35

ORBIT DETERMINATION ACCURACY

ST 2021.0 SR 306.9 SS 595.3
 CRT .7662 CRS -.7336 CST -.9987
 LSA 2119.8 MSA 198.9 SSA 7.9
 EL1 2034.8 EL2 195.9 ALF 6.70

LAUNCH DATE DEC 24 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 606.422

RL 147.14 LAL .00 LOL 91.98 VL 25.610 GAL 26.93 AZL 88.26 MCA 329.20 SMA 115.60 ECC .51411 INC 1.7385 V1 30.278
 RP 107.95 LAP -.89 LOP 61.19 VP 36.205 GAP 30.73 A7P 88.51 TAL 145.17 TAP 114.37 RCA 56.17 APO 175.03 V2 35.105
 RC 220.152 GL 2.86 GP -2.89 ZAL 32.64 ZAP 167.61 ETS 196.33 ZAE 129.24 ETE 183.07 ZAC 142.45 ETC 163.27 CLP 167.95

PLANETOCENTRIC CONIC

C3 192.703 VHL 13.882 DLA 22.83 RAL 56.57 RAD 6571.0 VEL 17.721 PTH 2.98 VHP 19.169 DPA 13.28 RAP 48.09 ECC 4.1714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 49 3533.42 -19.70 133.04 323.55 69.24 6 31 42 2933.4 -22.35 125.37
 90.00 0 24 36 4565.40 11.55 192.66 310.22 63.96 1 40 42 3965.4 7.95 185.83
 100.00 7 11 17 3215.90 -22.11 110.65 324.52 69.36 8 4 53 2615.9 -24.72 102.83
 100.00 1 28 49 4358.16 13.85 176.26 309.05 63.24 2 41 27 3758.2 10.15 169.42
 110.00 8 54 32 2892.88 -27.94 88.53 326.94 69.45 9 42 45 2292.9 -30.47 80.26
 110.00 2 2 3 4253.96 19.36 165.34 306.03 61.26 3 12 57 3654.0 15.38 158.49

DIFFERENTIAL CORRECTIONS

TDE 3.1128 TRA11.1566 TC3 -.1431 BAU .3689
 RDE .6926 RRA .3257 RC3 .0051 FAU-.00608
 FDE .5614 FRA 2.1952 FC3 .0273 BSP 17613
 BDE 3.1889 BRA11.1614 BC3 .1432 FSP -295

MID-COURSE EXECUTION ACCURACY

SGT 5173.9 SGR 321.3 SG3 87.5
 RRT .6560 RRF .6476 RTF .9883
 SGB 5183.9 R23 -.0028 R13 .9883
 SG1 5178.2 SG2 242.3 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 1974.2 SR 289.2 SS 621.2
 CRT .7582 CRS -.7297 CST -.9990
 LSA 2081.0 MSA 190.0 SSA 7.3
 EL1 1986.4 EL2 187.4 ALF 6.39

LAUNCH DATE DEC 24 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 604.163

RL 147.14 LAL .00 LOL 91.98 VL 25.589 GAL 30.08 AZL 88.48 MCA 332.42 SMA 115.49 ECC .55447 INC 1.5223 V1 30.278
 RP 107.91 LAP -.70 LOP 64.41 VP 36.202 GAP 33.49 A7P 88.65 TAL 145.40 TAP 117.82 RCA 51.46 APO 179.53 V2 35.117
 RC 221.615 GL 2.21 GP -2.86 ZAL 32.30 ZAP 165.96 ETS 194.59 ZAE 128.35 ETE 182.99 ZAC 143.86 ETC 162.65 CLP 166.25

PLANETOCENTRIC CONIC

C3 233.452 VHL 15.279 DLA 22.25 RAL 57.04 RAD 6571.4 VEL 18.835 PTH 3.07 VHP 20.815 DPA 13.79 RAP 49.57 ECC 4.8420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 42 29 3534.27 -19.68 133.09 326.03 69.22 6 41 23 2934.3 -22.34 125.42
 90.00 0 18 42 4621.89 13.21 195.97 312.29 64.72 1 35 43 4021.9 9.70 189.06
 100.00 7 19 54 3220.17 -22.01 110.93 326.98 69.25 8 13 34 2620.2 -24.64 103.12
 100.00 1 23 58 4411.23 15.46 179.38 311.18 64.09 2 37 29 3811.2 11.85 172.45
 110.00 9 1 24 2902.63 -27.70 89.20 329.36 69.12 9 49 47 2302.6 -30.28 80.95
 110.00 1 58 57 4301.53 20.89 168.18 308.29 62.31 3 10 39 3701.5 17.02 161.19

DIFFERENTIAL CORRECTIONS

TDE 3.2665 TRA12.2564 TC3 -.0383 BAU .1213
 RDE .7133 RRA .3623 RC3 .0068 FAU-.00962
 FDE .5879 FRA 2.3780 FC3 .0357 BSP 17507
 BDE 3.3434 BRA12.2618 BC3 .0389 FSP -290

MID-COURSE EXECUTION ACCURACY

SGT 5116.2 SGR 305.8 SG3 85.9
 RRT .6737 RRF .6664 RTF .9911
 SGB 5125.3 R23 -.0034 R13 .9911
 SG1 5120.3 SG2 225.8 THA 2.31

ORBIT DETERMINATION ACCURACY

ST 1928.7 SR 271.1 SS 633.8
 CRT .7521 CRS -.7275 CST -.9993
 LSA 2046.6 MSA 179.9 SSA 6.7
 EL1 1939.5 EL2 177.6 ALF 6.09

LAUNCH DATE DEC 25 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 5 1966

HELIOCENTRIC CONIC

DISTANCE 204.685

RL 147.14 LAL .00 LOL 93.00 VL 29.178 GAL -13.37 AZL 86.82 HCA 94.05 SMA 139.32 ECC .23765 INC 3.1839 V1 30.280
 RP 107.80 LAP 3.18 LOP 187.06 VP 38.855 GAP -4.28 AZP 90.23 TAL 243.34 TAP 337.40 RCA 106.21 APO 172.42 V2 35.155
 RC 65.219 GL 12.79 GP 7.90 ZAL 159.47 ZAP 49.64 ETS 351.60 ZAE 165.46 ETE 358.01 ZAC 51.77 ETC 166.45 CLP -49.17

PLANETOCENTRIC CONIC

C3 50.693 VHL 7.120 DLA -9.40 RAL 288.96 RAD 6568.9 VEL 13.117 PTH 2.39 VHP 4.785 DPA -10.75 RAP 318.94 ECC 1.8343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 4 2150.17 -17.96 37.44 163.81 112.27 2 11 55 1550.2 -14.78 30.21
 90.00 11 11 25 5385.59 27.92 246.52 170.64 85.07 12 41 11 4785.6 26.94 237.99
 100.00 2 52 49 1902.61 -19.30 18.65 163.22 113.28 3 24 31 1302.6 -15.98 11.42
 100.00 12 37 22 5108.38 29.37 225.98 170.49 84.18 14 2 31 4508.4 28.26 217.35
 110.00 3 50 34 1721.74 -22.87 3.16 161.46 116.12 4 19 16 1121.7 -19.17 355.98
 110.00 13 56 6 4862.01 33.27 206.71 169.92 81.67 15 17 8 4262.0 31.77 197.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1034 TRA -.4957 TC3 .1127 BAU .0772
 ROE -.4785 RRA .1327 RC3 .0166 FAU .09521
 FDE .4388 FRA-1.4957 FC3-1.6260 BSP 453
 BOE .4896 BRA .5131 BC3 .1139 FSP -657

SGT 442.9 SGR 400.7 SG3 228.2
 RRT -.0447 RRF -.3051 RTF .0789
 SGB 597.2 R23 .2817 R13 -.1342
 SG1 444.8 SG2 398.6 THA 167.97

ST 147.2 SR 386.5 SS 212.2
 CRT .4941 CRS .7457 CST -.1945
 LSA 425.3 MSA 186.2 SSA 20.9
 EL1 394.0 EL2 125.5 ALF 78.12

LAUNCH DATE DEC 25 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 211.328

RL 147.14 LAL .00 LOL 93.00 VL 29.201 GAL -13.24 AZL 86.87 HCA 97.28 SMA 139.51 ECC .23513 INC 3.1287 V1 30.280
 RP 107.83 LAP 3.10 LOP 190.29 VP 38.862 GAP -3.59 AZP 90.40 TAL 243.69 TAP 340.97 RCA 106.71 APO 172.32 V2 35.143
 RC 67.327 GL 12.72 GP 8.38 ZAL 159.65 ZAP 54.50 ETS 352.26 ZAE 168.24 ETE 1.74 ZAC 50.06 ETC 166.71 CLP -54.06

PLANETOCENTRIC CONIC

C3 49.662 VHL 7.047 DLA -9.49 RAL 288.79 RAD 6568.8 VEL 13.078 PTH 2.39 VHP 4.541 DPA -10.73 RAP 317.20 ECC 1.8173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 12 2141.86 -17.74 36.93 163.30 112.44 2 11 54 1541.9 -14.54 29.71
 90.00 11 9 59 5383.66 27.91 246.38 170.13 85.00 12 39 43 4783.7 26.92 237.86
 100.00 2 52 53 1894.47 -19.08 18.14 162.70 113.46 3 24 28 1294.5 -15.74 10.94
 100.00 12 35 59 5106.28 29.36 225.83 169.98 84.10 14 1 6 4506.3 28.23 217.20
 110.00 3 50 32 1713.98 -22.64 2.68 160.93 116.32 4 19 6 1114.0 -18.92 355.52
 110.00 13 54 50 4859.54 33.25 206.52 169.40 81.56 15 15 50 4259.5 31.73 197.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0900 TRA -.5332 TC3 .0793 BAU .0560
 ROE -.4738 RRA .1422 RC3 .0287 FAU .10436
 FDE .4732 FRA-1.6475 FC3-1.8194 BSP 450
 BOE .4823 BRA .5519 BC3 .0844 FSP -742

SGT 459.4 SGR 404.7 SG3 252.9
 RRT -.1012 RRF -.3470 RTF .2098
 SGB 612.2 R23 .2542 R13 -.2943
 SG1 466.5 SG2 396.5 THA 160.75

ST 150.9 SR 386.8 SS 221.9
 CRT .4037 CRS .7433 CST -.2966
 LSA 427.1 MSA 196.9 SSA 20.9
 EL1 392.3 EL2 136.1 ALF 79.81

LAUNCH DATE DEC 25 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 217.927

RL 147.14 LAL .00 LOL 93.00 VL 29.214 GAL -13.11 AZL 86.93 HCA 100.51 SMA 139.62 ECC .23282 INC 3.0728 V1 30.280
 RP 107.87 LAP 3.02 LOP 193.52 VP 38.861 GAP -2.93 AZP 90.56 TAL 243.88 TAP 344.39 RCA 107.12 APO 172.13 V2 35.132
 RC 69.470 GL 12.63 GP 8.87 ZAL 159.78 ZAP 59.53 ETS 352.92 ZAE 171.19 ETE 8.03 ZAC 48.18 ETC 167.00 CLP -59.12

PLANETOCENTRIC CONIC

C3 48.669 VHL 6.976 DLA -9.59 RAL 288.72 RAD 6568.8 VEL 13.040 PTH 2.38 VHP 4.332 DPA -10.72 RAP 315.28 ECC 1.8010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 42 2135.53 -17.52 36.41 162.87 112.61 2 12 16 1533.5 -14.31 29.21
 90.00 11 8 52 5381.91 27.90 246.26 169.72 84.94 12 38 34 4781.9 26.90 237.73
 100.00 2 53 20 1886.32 -18.86 17.64 162.27 113.63 3 24 46 1286.3 -15.50 10.45
 100.00 12 34 56 5104.35 29.34 225.68 169.56 84.03 14 0 0 4504.3 28.21 217.06
 110.00 3 50 51 1706.22 -22.40 2.20 160.50 116.52 4 19 17 1106.2 -18.66 355.06
 110.00 13 53 54 4857.22 33.23 206.34 168.98 81.46 15 14 51 4257.2 31.69 197.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0761 TRA -.5790 TC3 .0375 BAU .0366
 ROE -.4682 RRA .1521 RC3 .0419 FAU .11323
 FDE .5082 FRA-1.7890 FC3-2.0142 BSP 547
 BOE .4744 BRA .5987 BC3 .0562 FSP -822

SGT 489.1 SGR 409.1 SG3 277.2
 RRT -.1700 RRF -.3912 RTF .3476
 SGB 637.6 R23 .2188 R13 -.4319
 SG1 502.8 SG2 392.2 THA 158.29

ST 157.6 SR 386.4 SS 231.1
 CRT .3043 CRS .7446 CST -.3953
 LSA 428.9 MSA 207.7 SSA 20.9
 EL1 389.9 EL2 148.8 ALF 81.71

LAUNCH DATE DEC 25 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 224.483

RL 147.14 LAL .00 LOL 93.00 VL 29.218 GAL -12.98 AZL 86.98 HCA 103.73 SMA 139.65 ECC .23068 INC 3.0156 V1 30.280
 RP 107.90 LAP 2.93 LOP 196.74 VP 38.853 GAP -2.30 AZP 90.72 TAL 243.93 TAP 347.66 RCA 107.44 APO 171.87 V2 35.120
 RC 71.643 GL 12.52 GP 9.36 ZAL 159.85 ZAP 64.68 ETS 353.62 ZAE 174.13 ETE 21.00 ZAC 46.18 ETC 167.32 CLP -64.31

PLANETOCENTRIC CONIC

C3 47.702 VHL 6.907 DLA -9.70 RAL 288.72 RAD 6568.8 VEL 13.003 PTH 2.37 VHP 4.157 DPA -10.73 RAP 313.24 ECC 1.7851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 33 2125.12 -17.30 35.90 162.53 112.77 2 12 58 1525.1 -14.07 28.71
 90.00 11 8 2 5380.28 27.89 246.14 169.39 84.88 12 37 43 4780.3 26.89 237.62
 100.00 2 54 7 1878.09 -18.63 17.13 161.93 113.81 3 25 25 1278.1 -15.26 9.96
 100.00 12 34 9 5102.54 29.33 225.55 169.23 83.96 13 59 12 4502.5 28.18 216.94
 110.00 3 51 30 1698.39 -22.16 1.72 160.15 116.72 4 19 48 1098.4 -18.40 354.61
 110.00 13 53 15 4855.01 33.20 206.17 168.64 81.36 15 14 10 4255.0 31.65 197.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0603 TRA -.6312 TC3 -.0114 BAU .0366
 ROE -.4613 RRA .1625 RC3 .0563 FAU .12179
 FDE .5352 FRA-1.9208 FC3-2.2104 BSP 745
 BOE .4653 BRA .6517 BC3 .0574 FSP -908

SGT 533.8 SGR 413.8 SG3 301.0
 RRT -.2477 RRF -.4359 RTF .4757
 SGB 675.4 R23 .1874 R13 -.5467
 SG1 554.0 SG2 386.2 THA 158.05

ST 167.0 SR 384.9 SS 238.4
 CRT .1960 CRS .7437 CST -.4971
 LSA 429.7 MSA 218.7 SSA 20.9
 EL1 386.6 EL2 163.1 ALF 84.08

LAUNCH DATE DEC 25 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 230.997

RL 147.14 LAL .00 LOL 93.00 VL 29.212 GAL -12.86 AZL 87.04 HCA 106.95 SMA 139.61 ECC .22866 INC 2.9570 V1 30.280
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.838 GAP -1.71 AZP 90.86 TAL 243.85 TAP 350.80 RCA 107.68 APO 171.53 V2 35.108
 RC 73.845 GL 12.41 GP 9.85 ZAL 159.87 ZAP 69.90 ETS 354.35 ZAE 176.39 ETE 55.02 ZAC 44.10 ETC 167.66 CLP -69.59

PLANETOCENTRIC CONIC

C3 46.748 VML 6.837 CLA -9.81 RAL 288.79 RAD 6568.7 VEL 12.966 PTH 2.36 VHP 4.015 DPA -10.73 RAP 311.12 ECC 1.7694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 43 2116.54 -17.07 35.37 162.26 112.94 2 13 59 1516.5 -13.82 28.20
 90.00 11 7 29 5378.74 27.88 246.03 169.13 84.83 12 37 7 4778.7 26.87 237.51
 100.00 2 55 13 1869.71 -18.40 16.62 161.65 113.98 3 26 23 1269.7 -15.01 9.47
 100.00 12 33 39 5100.80 29.32 225.42 168.97 83.89 13 58 40 4500.8 28.16 216.81
 110.00 3 52 29 1690.42 -21.92 1.23 159.87 116.91 4 20 39 1090.4 -18.13 354.14
 110.00 13 52 53 4852.86 33.18 206.01 168.38 81.27 15 13 46 4252.9 31.62 197.13

DIFFERENTIAL CORRECTIONS

TDE -.0443 TRA -.6906 TC3 -.0683 BAU .0618
 RDE -.4534 RRA .1725 RC3 .0714 FAU .12938
 FDE .5594 FRA -2.0288 FC3 -2.3960 BSP 1023
 BDE .4555 BRA .7118 BC3 .0988 FSP -980

MID-COURSE EXECUTION ACCURACY

SGT 595.8 SGR 418.8 SG3 322.5
 RRT -.3253 RRF -.4805 RTF .5854
 SGB 728.3 R23 .1646 R13 -.6401
 SG1 621.5 SG2 379.7 TMA 158.94

ORBIT DETERMINATION ACCURACY

ST 180.1 SR 382.5 SS 244.6
 CRT .0920 CRS .7458 CST -.5833
 LSA 430.7 MSA 229.4 SSA 20.9
 EL1 382.9 EL2 179.1 ALF 86.83

LAUNCH DATE DEC 25 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 237.468

RL 147.14 LAL .00 LOL 93.00 VL 29.199 GAL -12.73 AZL 87.10 HCA 110.17 SMA 139.49 ECC .22674 INC 2.8963 V1 30.280
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.816 GAP -1.14 AZP 91.00 TAL 243.64 TAP 353.81 RCA 107.86 APO 171.12 V2 35.095
 RC 76.070 GL 12.28 GP 10.33 ZAL 159.85 ZAP 75.15 ETS 355.12 ZAE 175.95 ETE 110.85 ZAC 41.99 ETC 168.04 CLP -74.90

PLANETOCENTRIC CONIC

C3 45.800 VML 6.768 CLA -9.92 RAL 288.94 RAD 6568.7 VEL 12.929 PTH 2.36 VHP 3.904 DPA -10.73 RAP 308.97 ECC 1.7538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 13 2107.72 -16.84 34.83 162.06 113.11 2 15 20 1507.7 -13.57 27.68
 90.00 11 7 10 5377.28 27.87 245.92 168.94 84.77 12 36 47 4777.3 26.85 237.40
 100.00 2 56 39 1861.09 -18.16 16.09 161.45 114.16 3 27 40 1261.1 -14.75 8.96
 100.00 12 33 24 5099.14 29.31 225.30 168.77 83.83 13 58 23 4499.1 28.14 216.69
 110.00 3 53 46 1682.24 -21.67 .73 159.66 117.11 4 21 49 1082.2 -17.86 353.67
 110.00 13 52 46 4850.76 33.16 205.85 168.18 81.18 15 13 37 4250.8 31.59 196.98

DIFFERENTIAL CORRECTIONS

TDE -.0274 TRA -.7551 TC3 -.1320 BAU .0969
 RDE -.4439 RRA .1823 RC3 .0873 FAU .13596
 FDE .5726 FRA -2.1161 FC3 -2.5699 BSP 1345
 BDE .4447 BRA .7768 BC3 .1583 FSP -1052

MID-COURSE EXECUTION ACCURACY

SGT 673.5 SGR 424.0 SG3 341.7
 RRT -.3995 RRF -.5238 RTF .6722
 SGB 795.8 R23 .1470 R13 -.7125
 SG1 703.5 SG2 372.1 TMA 160.10

ORBIT DETERMINATION ACCURACY

ST 196.1 SR 378.7 SS 248.7
 CRT -.0059 CRS .7456 CST -.6605
 LSA 431.0 MSA 239.9 SSA 20.9
 EL1 378.8 EL2 196.1 ALF 90.24

LAUNCH DATE DEC 25 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 243.898

RL 147.14 LAL .00 LOL 93.00 VL 29.179 GAL -12.60 AZL 87.17 HCA 113.38 SMA 139.32 ECC .22490 INC 2.8331 V1 30.280
 RP 108.02 LAP 2.60 LOP 206.40 VP 38.790 GAP -.61 AZP 91.13 TAL 243.31 TAP 356.70 RCA 107.99 APO 170.66 V2 35.082
 RC 78.316 GL 12.13 GP 10.79 ZAL 159.78 ZAP 80.36 ETS 355.93 ZAE 173.22 ETE 137.55 ZAC 39.91 ETC 168.46 CLP -80.18

PLANETOCENTRIC CONIC

C3 44.850 VML 6.697 CLA -10.04 RAL 289.16 RAD 6568.7 VEL 12.892 PTH 2.35 VHP 3.822 DPA -10.70 RAP 306.85 ECC 1.7381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 1 2098.57 -16.59 34.27 161.91 113.28 2 17 0 1498.6 -13.30 27.14
 90.00 11 7 4 5375.89 27.86 245.82 168.80 84.72 12 36 39 4775.9 26.84 237.30
 100.00 2 58 24 1852.16 -17.91 15.54 161.30 114.34 3 29 16 1252.2 -14.48 8.43
 100.00 12 33 22 5097.54 29.29 225.18 168.64 83.77 13 58 19 4497.5 28.12 216.58
 110.00 3 55 22 1673.76 -21.40 .21 159.51 117.31 4 23 16 1073.8 -17.57 353.18
 110.00 13 52 53 4848.69 33.14 205.69 168.04 81.09 15 13 42 4248.7 31.55 196.82

DIFFERENTIAL CORRECTIONS

TDE -.0113 TRA -.8245 TC3 -.2026 BAU .1364
 RDE -.4332 RRA .1911 RC3 .1034 FAU .14094
 FDE .5810 FRA -2.1706 FC3 -2.7206 BSP 1714
 BDE .4333 BRA .8464 BC3 .2275 FSP -1104

MID-COURSE EXECUTION ACCURACY

SGT 766.1 SGR 429.1 SG3 357.1
 RRT -.4654 RRF -.5651 RTF .7375
 SGB 878.1 R23 .1359 R13 -.7670
 SG1 799.0 SG2 364.1 TMA 161.39

ORBIT DETERMINATION ACCURACY

ST 215.3 SR 373.9 SS 251.3
 CRT -.0891 CRS .7480 CST -.7184
 LSA 431.9 MSA 249.6 SSA 20.8
 EL1 374.7 EL2 214.0 ALF 94.36

LAUNCH DATE DEC 25 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 250.289

RL 147.14 LAL .00 LOL 93.00 VL 29.152 GAL -12.47 AZL 87.23 HCA 116.60 SMA 139.10 ECC .22313 INC 2.7668 V1 30.280
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.758 GAP -.09 AZP 91.24 TAL 242.88 TAP 359.48 RCA 108.06 APO 170.13 V2 35.069
 RC 80.581 GL 11.97 GP 11.23 ZAL 159.66 ZAP 85.48 ETS 356.79 ZAE 169.94 ETE 148.11 ZAC 37.91 ETC 168.91 CLP -85.39

PLANETOCENTRIC CONIC

C3 43.892 VML 6.625 CLA -10.16 RAL 289.43 RAD 6568.7 VEL 12.855 PTH 2.34 VHP 3.767 DPA -10.65 RAP 304.81 ECC 1.7224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 9 2088.99 -16.34 33.68 161.82 113.46 2 18 58 1489.0 -13.03 26.57
 90.00 11 7 9 5374.61 27.85 245.73 168.73 84.68 12 36 43 4774.6 26.82 237.21
 100.00 3 0 28 1842.80 -17.65 14.97 161.21 114.52 3 31 10 1242.8 -14.19 7.88
 100.00 12 33 31 5096.03 29.28 225.07 168.56 83.71 13 58 27 4496.0 28.10 216.47
 110.00 3 57 16 1664.90 -21.13 359.67 159.41 117.52 4 25 1 1064.9 -17.27 352.67
 110.00 13 53 12 4846.70 33.12 205.54 167.96 81.00 15 13 59 4246.7 31.52 196.68

DIFFERENTIAL CORRECTIONS

TDE .0043 TRA -.8968 TC3 -.2788 BAU .1780
 RDE -.4209 RRA .1990 RC3 .1197 FAU .14439
 FDE .5793 FRA -2.1962 FC3 -2.8480 BSP 2108
 BDE .4209 BRA .9186 BC3 .3034 FSP -1146

MID-COURSE EXECUTION ACCURACY

SGT 870.3 SGR 433.8 SG3 368.8
 RRT -.5236 RRF -.6039 RTF .7852
 SGB 972.4 R23 .1287 R13 -.8069
 SG1 905.1 SG2 355.4 TMA 162.61

ORBIT DETERMINATION ACCURACY

ST 236.7 SR 367.8 SS 251.9
 CRT -.1586 CRS .7493 CST -.7641
 LSA 433.1 MSA 258.4 SSA 20.7
 EL1 371.0 EL2 231.7 ALF 99.60

LAUNCH DATE DEC 25 1965 FLIGHT TIME 86.00 ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC DISTANCE 256.640
 RL 147.14 LAL .00 LOL 93.00 VL 29.120 GAL -12.33 AZL 87.30 MCA 119.81 SMA 138.82 ECC .22140 INC 2.6967 V1 30.280
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.722 GAP .39 AZP 91.34 TAL 242.35 TAP 2.16 RCA 108.09 APO 169.56 V2 35.056
 RC 82.862 GL 11.79 GP 11.67 ZAL 159.51 ZAP 90.45 ETS 357.70 ZAE 166.57 ETE 153.43 ZAC 36.04 ETC 169.41 CLP -90.46

PLANETOCENTRIC CONIC
 C3 42.924 VML 6.552 DLA -10.30 RAL 289.77 RAD 6568.6 VEL 12.818 PTH 2.33 VMP 3.736 DPA -10.56 RAP 302.91 ECC 1.7064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 37 2078.86 -16.06 33.07 161.78 113.64 2 21 16 1478.9 -12.73 25.97
 90.00 11 7 23 5373.51 27.85 245.65 168.70 84.64 12 36 56 4773.5 26.81 237.13
 100.00 3 2 51 1832.92 -17.37 14.37 161.17 114.72 3 33 24 1232.9 -13.89 7.31
 100.00 12 33 50 5094.68 29.27 224.97 168.53 83.66 13 58 45 4494.7 28.09 216.37
 110.00 3 59 29 1655.56 -20.83 359.11 159.36 117.74 4 27 5 1055.6 -16.95 352.13
 110.00 13 53 41 4844.80 33.10 205.40 167.93 80.92 15 14 26 4244.8 31.49 196.54

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .0186 TRA -1.9709 TC3 -.3597 BAU .2207 SGT 983.4 SGR 438.1 SG3 376.6 ST 259.8 SR 360.2 SS 250.2
 RDE -.4070 RRA .2057 RC3 .1361 FAU .14632 RRT -.5747 RRF -.6401 RTF .8196 CRT -.2144 CRS .7487 CST -.7999
 FDE .5665 FRA -2.1931 FC3 -2.9511 BSP .2521 SGB 1076.6 R23 .1248 R13 -.8359 LSA 434.5 MSA 265.8 SSA 20.7
 BDE .4075 BRA .9924 BC3 .3846 FSP -1179 SG1 1019.5 SG2 345.8 THA 163.71 EL1 368.3 EL2 248.2 ALF 106.40

LAUNCH DATE DEC 25 1965 FLIGHT TIME 88.00 ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC DISTANCE 262.954
 RL 147.14 LAL .00 LOL 93.00 VL 29.083 GAL -12.19 AZL 87.38 MCA 123.02 SMA 138.51 ECC .21972 INC 2.6221 V1 30.280
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.682 GAP .85 AZP 91.43 TAL 241.73 TAP 4.74 RCA 108.08 APO 168.94 V2 35.043
 RC 85.157 GL 11.58 GP 12.10 ZAL 159.32 ZAP 95.23 ETS 358.66 ZAE 163.26 ETE 156.56 ZAC 34.35 ETC 169.96 CLP -95.35

PLANETOCENTRIC CONIC
 C3 41.943 VML 6.476 DLA -10.45 RAL 290.17 RAD 6568.6 VEL 12.779 PTH 2.32 VMP 3.726 DPA -10.42 RAP 301.18 ECC 1.6903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 26 2068.04 -15.76 32.41 161.79 113.83 2 23 54 1468.0 -12.41 25.34
 90.00 11 7 44 5372.67 27.84 245.59 168.72 84.61 12 37 16 4772.7 26.80 237.07
 100.00 3 5 35 1822.38 -17.07 13.73 161.17 114.92 3 35 57 1222.4 -13.57 6.69
 100.00 12 34 16 5093.56 29.26 224.89 168.56 83.62 13 59 10 4493.6 28.07 216.29
 110.00 4 2 1 1645.62 -20.51 358.51 159.36 117.96 4 29 27 1045.6 -16.61 351.56
 110.00 13 54 19 4843.09 33.08 205.26 167.95 80.84 15 15 2 4243.1 31.46 196.41

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .0306 TRA -1.0455 TC3 -.4450 BAU .2638 SGT 1103.4 SGR 441.8 SG3 380.6 ST 284.0 SR 351.2 SS 246.6
 RDE -.3916 RRA .2111 RC3 .1526 FAU .14673 RRT -.6194 RRF -.6739 RTF .8444 CRT -.2563 CRS .7466 CST -.8267
 FDE .5443 FRA -2.1634 FC3 -3.0287 BSP .2955 SGB 1188.6 R23 .1240 R13 -.8571 LSA 436.6 MSA 271.5 SSA 20.6
 BDE .3928 BRA 1.0666 BC3 .4704 FSP -1202 SG1 1140.2 SG2 335.7 THA 164.72 EL1 367.8 EL2 262.1 ALF 115.07

LAUNCH DATE DEC 25 1965 FLIGHT TIME 90.00 ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC DISTANCE 269.233
 RL 147.14 LAL .00 LOL 93.00 VL 29.041 GAL -12.04 AZL 87.46 MCA 126.22 SMA 138.16 ECC .21808 INC 2.5418 V1 30.280
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.638 GAP 1.29 AZP 91.50 TAL 241.02 TAP 7.24 RCA 108.03 APO 168.29 V2 35.030
 RC 87.465 GL 11.35 GP 12.53 ZAL 159.09 ZAP 99.79 ETS 359.67 ZAE 160.07 ETE 158.58 ZAC 32.87 ETC 170.59 CLP -100.03

PLANETOCENTRIC CONIC
 C3 40.945 VML 6.399 DLA -10.62 RAL 290.62 RAD 6568.6 VEL 12.740 PTH 2.32 VMP 3.736 DPA -10.22 RAP 299.67 ECC 1.6739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 38 2056.35 -15.44 31.70 161.83 114.03 2 26 54 1456.4 -12.07 24.65
 90.00 11 8 9 5372.21 27.84 245.55 168.79 84.59 12 37 41 4772.2 26.80 237.04
 100.00 3 8 40 1811.01 -16.74 13.05 161.21 115.13 3 38 51 1211.0 -13.22 6.03
 100.00 12 34 47 5092.79 29.26 224.84 168.63 83.59 13 59 40 4492.8 28.06 216.24
 110.00 4 4 54 1634.92 -20.17 357.87 159.40 118.20 4 32 9 1034.9 -16.24 350.95
 110.00 13 55 3 4841.64 33.06 205.15 168.02 80.78 15 15 44 4241.6 31.44 196.31

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .0400 TRA -1.1193 TC3 -.5338 BAU .3065 SGT 1228.0 SGR 444.9 SG3 381.2 ST 308.7 SR 340.8 SS 241.3
 RDE -.3748 RRA .2153 RC3 .1691 FAU .14575 RRT -.6588 RRF -.7058 RTF .8623 CRT -.2868 CRS .7431 CST -.8466
 FDE .5144 FRA -2.1098 FC3 -3.0818 BSP .3399 SGB 1306.1 R23 .1259 R13 -.8724 LSA 440.0 MSA 275.0 SSA 20.6
 BDE .3769 BRA 1.1399 BC3 .5600 FSP -1213 SG1 1265.0 SG2 324.9 THA 165.61 EL1 371.0 EL2 271.7 ALF 125.48

LAUNCH DATE DEC 25 1965 FLIGHT TIME 92.00 ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC DISTANCE 275.477
 RL 147.14 LAL .00 LOL 93.00 VL 28.995 GAL -11.89 AZL 87.55 MCA 129.43 SMA 137.78 ECC .21647 INC 2.4548 V1 30.280
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.592 GAP 1.71 AZP 91.56 TAL 240.23 TAP 9.66 RCA 107.95 APO 167.60 V2 35.016
 RC 89.783 GL 11.09 GP 12.99 ZAL 158.82 ZAP 104.10 ETS .74 ZAE 157.05 ETE 159.93 ZAC 31.61 ETC 171.30 CLP -104.48

PLANETOCENTRIC CONIC
 C3 39.931 VML 6.319 DLA -10.82 RAL 291.13 RAD 6568.5 VEL 12.700 PTH 2.31 VMP 3.763 DPA -9.96 RAP 298.38 ECC 1.6572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 15 2043.58 -15.09 30.94 161.92 114.25 2 30 19 1443.6 -11.69 23.91
 90.00 11 8 35 5372.31 27.84 245.56 168.91 84.60 12 38 7 4772.3 26.80 237.05
 100.00 3 12 11 1798.60 -16.38 12.30 161.30 115.36 3 42 10 1198.6 -12.83 5.31
 100.00 12 35 20 5092.53 29.26 224.82 168.74 83.58 14 0 12 4492.5 28.06 216.22
 110.00 4 8 10 1623.29 -19.80 357.18 159.47 118.45 4 35 13 1023.3 -15.84 350.29
 110.00 13 55 50 4840.60 33.05 205.08 168.13 80.73 15 16 31 4240.6 31.42 196.23

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .0464 TRA -1.1913 TC3 -.6257 BAU .3485 SGT 1355.2 SGR 447.5 SG3 378.4 ST 333.4 SR 329.0 SS 234.4
 RDE -.3566 RRA .2181 RC3 .1859 FAU .14352 RRT -.6938 RRF -.7359 RTF .8751 CRT -.3072 CRS .7387 CST -.8609
 FDE .4788 FRA -2.0351 FC3 -3.1116 BSP .3849 SGB 1427.2 R23 .1308 R13 -.8835 LSA 444.7 MSA 276.0 SSA 20.5
 BDE .3596 BRA 1.2111 BC3 .6528 FSP -1212 SG1 1392.3 SG2 313.7 THA 166.39 EL1 378.8 EL2 275.7 ALF 136.24

LAUNCH DATE DEC 25 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 281.689

RL 147.14 LAL .00 LOL 93.00 VL 28.946 GAL -11.73 AZL 87.64 HCA 132.63 SMA 137.37 ECC .21490 INC 2.3594 VI 30.280
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.543 GAP 2.11 AZP 91.60 TAL 239.37 TAP 11.99 RCA 107.85 APO 166.89 V2 35.003
 RC 92.112 GL 10.78 GP 13.48 ZAL 158.53 ZAP 108.14 ETS 1.88 ZAE 154.21 ETE 160.83 ZAC 30.60 ETC 172.14 CLP-108.68

PLANETOCENTRIC CONIC

C3 38.899 VHL 6.237 OLA -11.04 RAL 291.70 RAD 6568.5 VEL 12.660 PTH 2.30 VHP 3.804 DPA -9.62 RAP 297.33 ECC 1.6402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 22 2029.46 -14.69 30.09 162.04 114.48 2 34 11 1429.5 -11.26 23.09
 90.00 11 8 58 5373.20 27.84 245.63 169.08 84.63 12 38 32 4773.2 26.81 237.11
 100.00 3 16 10 1784.90 -15.98 11.48 161.42 115.60 3 45 55 1184.9 -12.40 4.52
 100.00 12 35 51 5092.99 29.26 224.85 168.91 83.59 14 0 44 4493.0 28.06 216.25
 110.00 4 11 51 1610.52 -19.38 356.42 159.59 118.73 4 38 42 1010.5 -15.40 349.57
 110.00 13 56 39 4840.16 33.05 205.04 168.30 80.71 15 17 19 4240.2 31.41 196.20

DIFFERENTIAL CORRECTIONS

TOE .0497 TRA-1.2600 TC3 -.7200 BAU .3890
 RDE -.3376 RRA .2193 RC3 .2027 FAU .14004
 FDE .4438 FRA-1.9385 FC3-3.1167 BSP 4286
 BDE .3413 BRA 1.2789 BC3 .7480 FSP -1190

MID-COURSE EXECUTION ACCURACY

SGT 1483.1 SGR 449.7 SG3 372.4
 RRT -.7246 RRF -.7645 RTF .8840
 SGB 1549.8 R23 .1394 R13 -.8913
 SGI 1520.0 SG2 302.4 THA 167.09

ORBIT DETERMINATION ACCURACY

ST 357.8 SR 316.3 SS 226.8
 CRT -.3195 CRS .7370 CST -.8683
 LSA 451.3 MSA 274.6 SSA 20.4
 EL1 390.9 EL2 274.4 ALF 145.56

LAUNCH DATE DEC 25 1965

FLIGHT TIME 96.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 287.870

RL 147.14 LAL .00 LOL 93.00 VL 28.893 GAL -11.57 AZL 87.75 HCA 135.83 SMA 136.94 ECC .21337 INC 2.2538 VI 30.280
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.491 GAP 2.49 AZP 91.62 TAL 238.44 TAP 14.26 RCA 107.72 APO 166.15 V2 34.990
 RC 94.449 GL 10.42 GP 14.02 ZAL 158.20 ZAP 111.92 ETS 3.10 ZAE 151.56 ETE 161.38 ZAC 29.83 ETC 173.11 CLP-112.63

PLANETOCENTRIC CONIC

C3 37.849 VHL 6.152 OLA -11.31 RAL 292.32 RAD 6568.5 VEL 12.618 PTH 2.29 VHP 3.857 DPA -9.18 RAP 296.53 ECC 1.6229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 3 2013.62 -14.24 29.14 162.21 114.74 2 38 37 1413.6 -10.79 22.17
 90.00 11 9 14 5375.21 27.86 245.77 169.30 84.70 12 38 49 4775.2 26.83 237.26
 100.00 3 20 42 1769.57 -15.53 10.57 161.58 115.87 3 50 12 1169.6 -11.92 3.64
 100.00 12 36 16 5094.49 29.27 224.96 169.13 83.65 14 1 11 4494.5 28.08 216.36
 110.00 4 16 3 1596.25 -18.91 355.58 159.74 119.02 4 42 39 996.3 -14.90 348.76
 110.00 13 57 25 4840.57 33.05 205.07 168.53 80.73 15 18 6 4240.6 31.42 196.23

DIFFERENTIAL CORRECTIONS

TOE .0485 TRA-1.3252 TC3 -.8175 BAU .4285
 RDE -.3171 RRA .2197 RC3 .2208 FAU .13606
 FDE .3983 FRA-1.8352 FC3-3.1121 BSP 4734
 BDE .3208 BRA 1.3432 BC3 .8468 FSP -1173

MID-COURSE EXECUTION ACCURACY

SGT 1611.8 SGR 452.2 SG3 364.9
 RRT -.7534 RRF -.7923 RTF .8905
 SGB 1674.0 R23 .1502 R13 -.8970
 SGI 1648.6 SG2 290.7 THA 167.68

ORBIT DETERMINATION ACCURACY

ST 381.5 SR 302.0 SS 217.1
 CRT -.3231 CRS .7281 CST -.8760
 LSA 458.5 MSA 270.4 SSA 20.4
 EL1 405.5 EL2 268.8 ALF 153.06

LAUNCH DATE DEC 25 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 294.022

RL 147.14 LAL .00 LOL 93.00 VL 28.838 GAL -11.40 AZL 87.86 HCA 139.02 SMA 136.49 ECC .21187 INC 2.1354 VI 30.280
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.438 GAP 2.86 AZP 91.61 TAL 237.44 TAP 16.47 RCA 107.57 APO 165.40 V2 34.977
 RC 96.794 GL 10.00 GP 14.64 ZAL 157.85 ZAP 115.41 ETS 4.44 ZAE 149.08 ETE 161.64 ZAC 29.30 ETC 174.24 CLP-116.33

PLANETOCENTRIC CONIC

C3 36.780 VHL 6.065 OLA -11.63 RAL 292.99 RAD 6568.4 VEL 12.576 PTH 2.28 VHP 3.922 DPA -8.63 RAP 295.95 ECC 1.6053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 27 1995.58 -13.72 28.07 162.41 115.01 2 43 43 1395.6 -10.24 21.12
 90.00 11 9 15 5378.77 27.88 246.03 169.57 84.83 12 38 54 4778.8 26.87 237.51
 100.00 3 25 54 1752.16 -15.01 9.54 161.78 116.16 3 55 6 1152.2 -11.37 2.64
 100.00 12 36 29 5097.43 29.29 225.18 169.41 83.76 14 1 27 4497.4 28.12 216.57
 110.00 4 20 49 1580.17 -18.38 354.64 159.93 119.34 4 47 9 980.2 -14.33 347.86
 110.00 13 58 3 4842.18 33.07 205.20 168.82 80.80 15 18 46 4242.2 31.44 196.35

DIFFERENTIAL CORRECTIONS

TOE .0432 TRA-1.3852 TC3 -.9174 BAU .4662
 RDE -.2957 RRA .2185 RC3 .2396 FAU .13125
 FDE .3538 FRA-1.7181 FC3-3.0893 BSP 5163
 BDE .2989 BRA 1.4023 BC3 .9481 FSP -1139

MID-COURSE EXECUTION ACCURACY

SGT 1739.3 SGR 454.9 SG3 355.2
 RRT -.7790 RRF -.8190 RTF .8948
 SGB 1797.8 R23 .1650 R13 -.9007
 SGI 1775.9 SG2 279.3 THA 168.19

ORBIT DETERMINATION ACCURACY

ST 404.3 SR 286.6 SS 206.6
 CRT -.3196 CRS .7201 CST -.8793
 LSA 467.1 MSA 264.0 SSA 20.3
 EL1 421.6 EL2 260.4 ALF 158.83

LAUNCH DATE DEC 25 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 300.145

RL 147.14 LAL .00 LOL 93.00 VL 28.780 GAL -11.22 AZL 88.00 HCA 142.22 SMA 136.02 ECC .21042 INC 2.0008 VI 30.280
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.383 GAP 3.20 AZP 91.58 TAL 236.39 TAP 18.61 RCA 107.40 APO 164.64 V2 34.964
 RC 99.145 GL 9.50 GP 15.36 ZAL 157.47 ZAP 118.63 ETS 5.92 ZAE 146.78 ETE 161.66 ZAC 29.01 ETC 175.57 CLP-119.79

PLANETOCENTRIC CONIC

C3 35.695 VHL 5.974 OLA -12.03 RAL 293.73 RAD 6568.4 VEL 12.533 PTH 2.27 VHP 3.998 DPA -7.94 RAP 295.60 ECC 1.5874
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 44 1974.71 -13.12 26.83 162.66 115.32 2 49 38 1374.7 -9.60 19.92
 90.00 11 8 53 5384.51 27.91 246.45 169.92 85.03 12 38 37 4784.5 26.93 237.92
 100.00 3 31 56 1752.06 -14.40 8.36 162.02 116.48 4 0 48 1132.1 -10.73 1.49
 100.00 12 36 21 5102.39 29.33 225.54 169.77 83.95 14 1 24 4502.4 28.18 216.92
 110.00 4 26 20 1561.72 -17.76 353.57 160.16 119.70 4 52 21 961.7 -13.67 346.84
 110.00 13 58 27 4845.49 33.10 205.45 169.18 80.95 15 19 13 4245.5 31.50 196.59

DIFFERENTIAL CORRECTIONS

TOE .0319 TRA-1.4404 TC3 -1.0212 BAU .5029
 RDE -.2729 RRA .2167 RC3 .2606 FAU .12625
 FDE .3003 FRA-1.6003 FC3-3.0621 BSP 9604
 BDE .2748 BRA 1.4566 BC3 1.0539 FSP -1110

MID-COURSE EXECUTION ACCURACY

SGT 1866.7 SGR 459.0 SG3 344.9
 RRT -.8032 RRF -.8452 RTF .8978
 SGB 1922.3 R23 .1827 R13 -.9034
 SGI 1903.5 SG2 268.1 THA 168.60

ORBIT DETERMINATION ACCURACY

ST 426.4 SR 269.5 SS 194.3
 CRT -.3076 CRS .7016 CST -.8848
 LSA 476.4 MSA 254.7 SSA 20.3
 EL1 438.5 EL2 249.4 ALF 163.54

LAUNCH DATE DEC 25 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 306.243

RL 147.14 LAL .00 LOL 93.00 VL 28.721 GAL -11.04 AZL 88.15 MCA 145.41 SMA 135.54 ECC .20900 INC 1.8454 VI 30.280
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.327 GAP 3.54 A7P 91.52 TAL 235.29 TAP 20.70 RCA 107.22 APO 163.87 V2 34.951
 RC 101.502 GL 8.88 GP 16.23 ZAL 157.06 ZAP 121.56 ETS 7.58 ZAE 144.63 ETE 161.43 ZAC 28.95 ETC 177.13 CLP-123.03

PLANETOCENTRIC CONIC

C3 34.591 VHL 5.881 DLA -12.52 RAL 294.54 RAD 6568.4 VEL 12.488 PTH 2.26 VHP 4.082 DPA -7.09 RAP 295.44 ECC 1.5693
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 8 1950.08 -12.40 25.39 162.97 115.66 2 56 38 1350.1 -8.84 18.51
 90.00 11 7 55 5393.27 27.96 247.08 170.35 85.35 12 37 49 4793.3 27.03 238.54
 100.00 3 39 2 1708.42 -13.68 6.97 162.32 116.84 4 7 30 1108.4 -9.97 .15
 100.00 12 35 42 5110.16 29.38 226.11 170.21 84.25 14 0 52 4510.2 28.28 217.48
 110.00 4 32 45 1540.18 -17.03 352.32 160.43 120.10 4 58 25 940.2 -12.90 345.65
 110.00 13 58 28 4851.17 33.16 205.88 169.64 81.20 15 19 20 4251.2 31.59 197.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0150 TRA-1.4883 TC3-1.1278 BAU .5378 SGT 1991.5 SGR 464.3 SG3 333.0 ST 447.6 SR 251.3 SS 181.2
 RDE -.2493 RRA .2134 RC3 .2835 FAU .12072 RRT -.8244 RRF -.8701 RTF .8994 CRT -.2881 CRS .6790 CST -.8887
 FDE .2469 FRA-1.4737 FC3-3.0213 BSP 6019 SGB 2044.9 R23 .2049 R13 -.9048 LSA 486.7 MSA 242.9 SSA 20.2
 BDE .2497 BRA 1.5035 BC3 1.1629 FSP -1070 SG1 2028.6 SG2 258.0 THA 168.94 EL1 455.6 EL2 236.4 ALF 167.36

LAUNCH DATE DEC 25 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 312.315

RL 147.14 LAL .00 LOL 93.00 VL 28.659 GAL -10.84 AZL 88.34 MCA 148.60 SMA 135.06 ECC .20763 INC 1.6628 VI 30.280
 RP 108.46 LAP .87 LOP 241.60 VP 38.269 GAP 3.85 A7P 91.42 TAL 234.13 TAP 22.73 RCA 107.02 APO 163.10 V2 34.939
 RC 103.862 GL 8.12 GP 17.28 ZAL 156.64 ZAP 124.21 ETS 9.48 ZAE 142.59 ETE 160.95 ZAC 29.12 ETC 178.97 CLP-126.07

PLANETOCENTRIC CONIC

C3 33.472 VHL 5.786 DLA -13.15 RAL 295.42 RAD 6568.3 VEL 12.444 PTH 2.25 VHP 4.178 DPA -6.03 RAP 295.45 ECC 1.5509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 1 1920.40 -11.52 23.65 163.34 116.05 3 5 2 1320.4 -7.92 16.82
 90.00 11 6 4 5406.36 28.03 248.03 170.89 85.82 12 36 10 4806.4 27.16 239.48
 100.00 3 47 31 1680.04 -12.80 5.32 162.68 117.25 4 15 31 1080.0 -9.05 358.54
 100.00 12 34 15 5121.96 29.46 226.98 170.76 84.70 13 59 37 4522.0 28.41 218.33
 110.00 4 40 22 1514.51 -16.14 350.86 160.77 120.55 5 5 37 914.5 -11.97 344.24
 110.00 13 57 53 4860.25 33.26 206.57 170.23 81.60 15 18 54 4260.2 31.74 197.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0110 TRA-1.5299 TC3-1.2403 BAU .5721 SGT 2116.8 SGR 472.4 SG3 320.9 ST 468.9 SR 230.9 SS 166.6
 RDE -.2238 RRA .2093 RC3 .3101 FAU .11519 RRT -.8437 RRF -.8942 RTF .9004 CRT -.2573 CRS .6344 CST -.8992
 FDE .1832 FRA-1.3491 FC3-2.9792 BSP 6455 SGB 2168.8 R23 .2305 R13 -.9057 LSA 498.8 MSA 227.5 SSA 20.3
 BDE .2241 BRA 1.5442 BC3 1.2785 FSP -1036 SG1 2154.5 SG2 249.1 THA 169.19 EL1 473.7 EL2 220.9 ALF 170.75

LAUNCH DATE DEC 25 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 318.363

RL 147.14 LAL .00 LOL 93.00 VL 28.596 GAL -10.65 AZL 88.56 MCA 151.78 SMA 134.57 ECC .20631 INC 1.4436 VI 30.280
 RP 108.50 LAP .68 LOP 244.79 VP 38.211 GAP 4.16 A7P 91.27 TAL 232.93 TAP 24.72 RCA 106.80 APO 162.33 V2 34.926
 RC 106.225 GL 7.15 GP 18.58 ZAL 156.18 ZAP 126.54 ETS 11.69 ZAE 140.64 ETE 160.20 ZAC 29.51 ETC 181.14 CLP-128.91

PLANETOCENTRIC CONIC

C3 32.340 VHL 5.687 DLA -13.96 RAL 296.40 RAD 6568.3 VEL 12.398 PTH 2.24 VHP 4.285 DPA -4.70 RAP 295.60 ECC 1.5322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 0 1883.68 -10.41 21.52 163.80 116.48 3 15 23 1283.7 -6.77 14.73
 90.00 11 2 50 5425.74 28.12 249.44 171.58 86.52 12 33 16 4825.7 27.34 240.86
 100.00 3 57 57 1645.07 -11.70 3.31 163.13 117.70 4 25 22 1045.1 -7.90 356.58
 100.00 12 31 34 5139.59 29.57 228.28 171.46 85.37 13 57 14 4539.6 28.61 219.61
 110.00 4 49 38 1483.19 -15.05 349.09 161.19 121.06 5 14 21 883.2 -10.83 342.53
 110.00 13 56 23 4874.22 33.39 207.64 170.97 82.21 15 17 37 4274.2 31.95 198.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0471 TRA-1.5628 TC3-1.3579 BAU .6053 SGT 2240.5 SGR 484.0 SG3 308.1 ST 491.2 SR 208.3 SS 151.6
 RDE -.1965 RRA .2041 RC3 .3407 FAU .10941 RRT -.8602 RRF -.9166 RTF .9008 CRT -.2157 CRS .5600 CST -.9173
 FDE .1124 FRA-1.2225 FC3-2.9288 BSP 6885 SGB 2292.2 R23 .2597 R13 -.9062 LSA 513.8 MSA 207.9 SSA 20.5
 BDE .2021 BRA 1.5760 BC3 1.4000 FSP -999 SG1 2279.3 SG2 242.6 THA 169.35 EL1 493.7 EL2 202.4 ALF 173.71

LAUNCH DATE DEC 25 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 324.390

RL 147.14 LAL .00 LOL 93.00 VL 28.532 GAL -10.44 AZL 88.83 MCA 154.97 SMA 134.07 ECC .20505 INC 1.1743 VI 30.280
 RP 108.54 LAP .50 LOP 247.97 VP 38.152 GAP 4.44 A7P 91.06 TAL 231.68 TAP 26.65 RCA 106.58 APO 161.56 V2 34.914
 RC 108.588 GL 5.91 GP 20.21 ZAL 155.69 ZAP 128.53 ETS 14.31 ZAE 138.70 ETE 159.13 ZAC 30.13 ETC 183.73 CLP-131.59

PLANETOCENTRIC CONIC

C3 31.200 VHL 5.586 DLA -15.03 RAL 297.48 RAD 6568.2 VEL 12.352 PTH 2.23 VHP 4.406 DPA -3.02 RAP 295.86 ECC 1.5135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 57 1836.82 -8.97 18.83 164.41 116.97 3 28 34 1236.8 -5.29 12.09
 90.00 10 57 30 5454.55 28.22 251.55 172.46 87.57 12 28 25 4854.5 27.59 242.94
 100.00 4 11 9 1600.66 -10.28 .77 163.72 118.22 4 37 49 1000.7 -6.43 354.10
 100.00 12 27 0 5165.93 29.69 230.25 172.37 86.39 13 53 6 4565.9 28.88 221.52
 110.00 5 1 12 1443.86 -13.66 346.89 161.73 121.64 5 25 16 843.9 -9.37 340.41
 110.00 13 53 26 4895.50 33.57 209.28 171.96 83.17 15 15 1 4295.5 32.27 200.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0961 TRA-1.5842 TC3-1.4807 BAU .6372 SGT 2361.5 SGR 499.6 SG3 293.9 ST 516.7 SR 183.1 SS 137.7
 RDE -.1673 RRA .1966 RC3 .3762 FAU .10318 RRT -.8725 RRF -.9368 RTF .9004 CRT -.1620 CRS .4427 CST -.9423
 FDE .0363 FRA-1.0882 FC3-2.8632 BSP 7287 SGB 2413.8 R23 .2926 R13 -.9060 LSA 534.0 MSA 184.0 SSA 20.9
 BDE .1929 BRA 1.5963 BC3 1.5277 FSP -949 SG1 2401.8 SG2 240.0 THA 169.43 EL1 517.7 EL2 180.3 ALF 176.26

LAUNCH DATE DEC 25 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 330.394

RL 147.14 LAL .00 LOL 93.00 VL 28.467 GAL -10.23 AZL 89.17 HCA 158.15 SMA 133.57 ECC .20383 INC .8321 V1 30.280
 RP 108.58 LAP .31 LOP 251.15 VP 38.092 GAP 4.72 AZP 90.77 TAL 230.40 TAP 28.54 RCA 106.34 APO 160.79 V2 34.903
 RC 110.951 GL 4.26 GP 22.31 ZAL 155.15 ZAP 130.09 ETS 17.47 ZAE 136.71 ETE 157.68 ZAC 31.03 ETC 186.86 CLP-134.12

PLANETOCENTRIC CONIC

C3 30.067 VML 5.483 DLA -16.49 RAL 298.70 RAD 6568.2 VEL 12.306 PTH 2.22 VMP 4.550 CPA -.86 RAP 296.17 ECC 1.4948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 32 1774.52 -7.03 15.28 165.26 117.50 3 46 7 1174.5 -3.29 8.59
 90.00 10 48 43 5498.26 28.31 254.74 173.64 89.17 12 20 21 4898.3 27.89 246.10
 100.00 4 28 35 1542.04 -8.38 357.46 164.54 118.80 4 54 17 942.0 -4.47 350.85
 100.00 12 19 21 5205.97 29.83 233.20 173.59 87.95 13 46 7 4606.0 29.23 224.44
 110.00 5 16 16 1392.66 -11.81 344.07 162.48 122.31 5 39 29 792.7 -7.46 337.68
 110.00 13 48 9 4928.12 33.81 211.79 173.29 84.64 15 10 17 4328.1 32.70 202.73

DIFFERENTIAL CORRECTIONS

TDE -.1661 TRA-1.5932 TC3-1.6112 BAU .6692
 RDE -.1335 RRA .1874 RC3 .4193 FAU .09676
 FDE -.0580 FRA -.9543 FC3-2.7860 BSP 7717
 BDE .2131 BRA 1.6042 BC3 1.6648 FSP -905

MID-COURSE EXECUTION ACCURACY

SGT 2483.2 SGR 522.1 SG3 278.9
 RRT -.8814 RRF -.9546 RTF .9000
 SGB 2537.5 R23 .3252 R13 -.9060
 SGI 2525.9 SG2 242.4 THA 169.40

ORBIT DETERMINATION ACCURACY

ST 551.6 SR 153.0 SS 130.0
 CRT -.0999 CR5 .2357 CST -.9750
 LSA 566.2 MSA 153.1 SSA 21.9
 EL1 551.8 EL2 152.1 ALF 178.28

LAUNCH DATE DEC 25 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 336.379

RL 147.14 LAL .00 LOL 93.00 VL 28.401 GAL -10.01 AZL 89.62 HCA 161.33 SMA 133.06 ECC .20268 INC .3796 V1 30.280
 RP 108.61 LAP .12 LOP 254.32 VP 38.033 GAP 4.99 AZP 90.36 TAL 229.07 TAP 30.39 RCA 106.09 APO 160.03 V2 34.892
 RC 113.313 GL 1.98 GP 25.08 ZAL 154.48 ZAP 131.11 ETS 21.34 ZAE 134.53 ETE 155.76 ZAC 32.26 ETC 190.72 CLP-136.55

PLANETOCENTRIC CONIC

C3 28.971 VML 5.382 DLA -18.54 RAL 300.14 RAD 6568.2 VEL 12.262 PTH 2.21 VMP 4.728 CPA 1.98 RAP 296.47 ECC 1.4768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 53 1686.82 -4.25 10.34 166.56 118.02 4 11 0 1086.8 -4.47 3.70
 90.00 10 33 50 5567.37 28.27 259.80 175.25 91.71 12 6 37 4967.4 28.21 251.13
 100.00 4 53 3 1460.40 -5.67 352.91 165.78 119.40 5 17 24 860.4 -1.71 346.36
 100.00 12 6 21 5269.02 29.89 237.88 175.28 90.41 13 34 10 4669.0 29.63 229.09
 110.00 5 36 58 1322.81 -9.24 340.30 163.60 123.06 5 59 1 722.8 -4.83 333.99
 110.00 13 38 56 4979.38 34.07 215.77 175.17 86.98 15 1 55 4379.4 33.27 206.62

DIFFERENTIAL CORRECTIONS

TDE -.2644 TRA-1.5829 TC3-1.7450 BAU .7000
 RDE -.0937 RRA .1741 RC3 .4703 FAU .08950
 FDE -.1674 FRA -.8096 FC3-2.6744 BSP 8112
 BDE .2805 BRA 1.5925 BC3 1.8073 FSP -846

MID-COURSE EXECUTION ACCURACY

SGT 2601.3 SGR 551.8 SG3 261.3
 RRT -.8851 RRF -.9692 RTF .8992
 SGB 2659.1 R23 .3562 R13 -.9058
 SGI 2647.1 SG2 252.4 THA 169.27

ORBIT DETERMINATION ACCURACY

ST 605.5 SR 116.7 SS 137.7
 CRT -.0572 CR5 -.0120 CST -.9821
 LSA 620.5 MSA 116.9 SSA 23.5
 EL1 605.6 EL2 116.5 ALF 179.34

LAUNCH DATE DEC 25 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 342.343

RL 147.14 LAL .00 LOL 93.00 VL 28.334 GAL -9.79 AZL 90.25 HCA 164.50 SMA 132.56 ECC .20158 INC .2470 V1 30.280
 RP 108.64 LAP -.07 LOP 257.50 VP 37.973 GAP 5.24 AZP 89.76 TAL 227.70 TAP 32.20 RCA 105.84 APO 159.28 V2 34.881
 RC 115.675 GL -1.31 GP 28.85 ZAL 153.50 ZAP 131.32 ETS 26.16 ZAE 131.92 ETE 153.25 ZAC 33.98 ETC 195.57 CLP-138.92

PLANETOCENTRIC CONIC

C3 28.000 VML 5.292 DLA -21.55 RAL 301.92 RAD 6568.1 VEL 12.222 PTH 2.20 VMP 4.966 CPA 5.82 RAP 296.62 ECC 1.4608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 24 27 1551.16 .12 2.76 168.83 118.32 4 50 18 951.2 3.90 356.12
 90.00 10 6 27 5686.01 27.73 268.43 177.51 96.00 11 41 13 5086.0 28.27 259.80
 100.00 5 30 52 1336.78 -1.51 346.10 167.93 119.86 5 53 9 736.8 2.48 339.58
 100.00 11 42 42 5375.63 29.57 245.79 177.71 94.56 13 12 18 4775.6 29.89 237.00
 110.00 6 7 51 1220.87 -5.42 334.88 165.50 123.80 6 28 12 620.9 -1.94 328.66
 110.00 13 22 13 5064.29 34.17 222.40 177.97 90.90 14 46 38 4464.3 33.92 213.17

DIFFERENTIAL CORRECTIONS

TDE -.4127 TRA-1.5476 TC3-1.8805 BAU .7316
 RDE -.0413 RRA .1554 RC3 .5321 FAU .08131
 FDE -.3075 FRA -.6577 FC3-2.5142 BSP 8545
 BDE .4147 BRA 1.5554 BC3 1.9543 FSP -785

MID-COURSE EXECUTION ACCURACY

SGT 2721.4 SGR 593.1 SG3 240.9
 RRT -.8838 RRF -.9806 RTF .8991
 SGB 2785.3 R23 .3802 R13 -.9065
 SGI 2772.0 SG2 272.4 THA 168.99

ORBIT DETERMINATION ACCURACY

ST 703.8 SR 72.3 SS 176.9
 CRT -.2041 CR5 -.0353 CST -.9570
 LSA 724.1 MSA 83.1 SSA 24.8
 EL1 704.0 EL2 70.8 ALF 178.79

LAUNCH DATE DEC 25 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 348.288

RL 147.14 LAL .00 LOL 93.00 VL 28.267 GAL -9.55 AZL 91.19 HCA 167.67 SMA 132.06 ECC .20055 INC 1.1905 V1 30.280
 RP 108.68 LAP -.25 LOP 260.67 VP 37.914 GAP 5.49 AZP 88.84 TAL 226.30 TAP 33.97 RCA 105.58 APO 158.55 V2 34.870
 RC 118.029 GL -6.36 GP 34.18 ZAL 151.74 ZAP 130.26 ETS 32.19 ZAE 128.47 ETE 150.04 ZAC 36.52 ETC 201.77 CLP-141.37

PLANETOCENTRIC CONIC

C3 27.404 VML 5.235 DLA -26.23 RAL 304.32 RAD 6568.1 VEL 12.198 PTH 2.19 VMP 5.328 CPA 11.18 RAP 296.40 ECC 1.4510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 49 43 1282.19 8.68 347.64 173.96 117.06 6 11 6 682.2 12.24 340.77
 90.00 9 0 22 656.23 24.55 308.73 180.23 104.56 9 11 18 56.2 26.32 300.50
 100.00 6 42 39 1111.27 6.11 333.69 172.57 119.32 7 1 10 511.3 9.97 327.03
 100.00 10 50 7 5590.42 27.39 261.36 180.99 102.46 12 23 18 4990.4 28.83 252.85
 110.00 7 1 6 1053.36 .97 326.12 169.39 124.17 7 18 39 453.4 5.45 319.90
 110.00 12 48 10 5221.10 33.34 234.56 182.24 98.04 14 15 11 4621.1 34.09 225.39

DIFFERENTIAL CORRECTIONS

TDE -.6500 TRA-1.4687 TC3-1.9935 BAU .7627
 RDE -.0352 RRA .1249 RC3 .5995 FAU .07117
 FDE -.4845 FRA -.4878 FC3-2.2482 BSP 8981
 BDE .6509 BRA 1.4740 BC3 2.0817 FSP -703

MID-COURSE EXECUTION ACCURACY

SGT 2841.4 SGR 647.0 SG3 214.7
 RRT -.8760 RRF -.9879 RTF .9002
 SGB 2914.1 R23 .3940 R13 -.9088
 SGI 2898.0 SG2 306.0 THA 168.59

ORBIT DETERMINATION ACCURACY

ST 893.9 SR 62.7 SS 259.6
 CRT -.9488 CR5 .8464 CST -.9475
 LSA 929.2 MSA 80.9 SSA 16.7
 EL1 895.8 EL2 19.7 ALF 176.19

LAUNCH DATE DEC 25 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 354.211

RL 147.14 LAL .00 LOL 93.00 VL 28.200 GAL -9.31 AZL 92.77 HCA 170.83 SMA 131.56 ECC .19957 INC 2.7716 V1 30.280
 RP 108.71 LAP -.44 LOP 263.84 VP 37.854 GAP 5.72 AZP 87.26 TAL 224.87 TAP 35.70 RCA 105.31 APO 157.82 V2 34.860
 RC 120.382 GL -14.71 GP 42.06 ZAL 147.78 ZAP 127.05 ETS 39.72 ZAE 123.29 ETE 146.23 ZAC 40.56 ETC 209.84 CLP-144.24

PLANETOCENTRIC CONIC

C3 28.070 VHL 5.298 DLA -34.01 RAL 308.18 RAD 6568.1 VEL 12.225 PTH 2.20 VHP 5.976 OPA 19.00 RAP 295.33 ECC 1.4620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.32 5 12 41 1445.56 20.82 6.14 183.87 117.53 5 36 46 845.6 24.33 358.78
 109.68 10 8 9 5792.86 20.83 273.92 183.88 117.52 11 44 42 5192.9 24.35 266.55
 70.32 5 12 41 1445.56 20.82 6.14 183.87 117.53 5 36 46 845.6 24.33 358.78
 109.68 10 8 9 5792.86 20.83 273.92 183.88 117.52 11 44 42 5192.9 24.35 266.55
 110.00 9 44 11 5865.97 18.36 278.20 182.46 119.35 11 21 57 5266.0 22.13 271.09
 110.00 10 35 49 5708.49 23.33 268.69 185.23 115.72 12 10 58 5108.5 26.59 261.04

DIFFERENTIAL CORRECTIONS

TDE-1.0791 TRA-1.3043 TC3-2.0085 BAU .7914
 RDE .1624 RRA .0661 RC3 .6431 FAU .05764
 FDE -.7061 FRA -.2899 FC3-1.7778 BSP 9436
 BDE 1.0913 BRA 1.3059 BC3 2.1090 FSP -587

MID-COURSE EXECUTION ACCURACY

SGT 2964.3 SGR 709.0 SG3 178.6
 RRT -.8574 RRF -.9895 RTF .9046
 SGB 3047.9 R23 .3933 R13 -.9145
 SG1 3026.9 SG2 357.3 TMA 168.25

ORBIT DETERMINATION ACCURACY

ST 1275.4 SR 178.6 SS 399.7
 CRT -.9630 CRS .9991 CST -.9650
 LSA 1344.0 MSA 109.3 SSA 6.7
 EL1 1286.9 EL2 47.7 ALF 172.31

LAUNCH DATE DEC 25 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 360.104

RL 147.14 LAL .00 LOL 93.00 VL 28.133 GAL -9.06 AZL 95.99 HCA 173.98 SMA 131.07 ECC .19863 INC 5.9876 V1 30.280
 RP 108.74 LAP -.63 LOP 267.01 VP 37.796 GAP 5.94 AZP 84.04 TAL 223.40 TAP 37.37 RCA 105.04 APO 157.10 V2 34.851
 RC 122.731 GL -29.64 GP 54.23 ZAL 137.92 ZAP 120.08 ETS 49.42 ZAE 114.60 ETE 143.03 ZAC 47.41 ETC 220.73 CLP-149.05

PLANETOCENTRIC CONIC

C3 34.338 VHL 5.860 DLA -47.67 RAL 316.73 RAD 6568.4 VEL 12.478 PTH 2.26 VHP 7.480 OPA 30.81 RAP 291.89 ECC 1.5651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.90 4 12 43 1761.64 25.76 36.63 200.64 131.61 4 42 4 1161.6 30.90 30.08
 130.10 12 16 20 5578.01 25.77 259.46 200.65 131.60 13 49 18 4978.0 30.91 252.91
 49.90 4 12 43 1761.64 25.76 36.63 200.64 131.61 4 42 4 1161.6 30.90 30.08
 130.10 12 16 20 5578.01 25.77 259.46 200.65 131.60 13 49 18 4978.0 30.91 252.91
 49.90 4 12 43 1761.64 25.76 36.63 200.64 131.61 4 42 4 1161.6 30.90 30.08
 130.10 12 16 20 5578.01 25.77 259.46 200.65 131.60 13 49 18 4978.0 30.91 252.91

DIFFERENTIAL CORRECTIONS

TDE-2.0476 TRA -.9126 TC3-1.6579 BAU .8001
 RDE .3889 RRA -.0677 RC3 .5372 FAU .03916
 FDE -.9679 FRA -.0599 FC3 -.9874 BSP 9815
 BDE 2.0842 BRA .9151 BC3 1.7428 FSP -424

MID-COURSE EXECUTION ACCURACY

SGT 3088.6 SGR 742.1 SG3 129.4
 RRT -.8091 RRF -.9718 RTF .9208
 SGB 3176.5 R23 .3611 R13 -.9308
 SG1 3147.5 SG2 427.9 TMA 168.79

ORBIT DETERMINATION ACCURACY

ST 2042.0 SR 381.8 SS 612.3
 CRT -.9627 CRS .9944 CST -.9858
 LSA 2161.4 MSA 138.1 SSA 2.2
 EL1 2074.9 EL2 101.7 ALF 169.77

LAUNCH DATE DEC 25 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 365.923

RL 147.14 LAL .00 LOL 93.00 VL 28.065 GAL -8.79 AZL 106.04 HCA 177.07 SMA 130.58 ECC .19760 INC16.0382 V1 30.280
 RP 108.76 LAP -.81 LOP 270.18 VP 37.737 GAP 6.14 AZP 73.98 TAL 221.86 TAP 38.93 RCA 104.78 APO 156.38 V2 34.842
 RC 125.075 GL -54.07 GP 72.45 ZAL 116.40 ZAP 107.35 ETS 71.63 ZAE 98.06 ETE 153.42 ZAC 58.74 ETC 245.44 CLP-171.69

PLANETOCENTRIC CONIC

C3 89.558 VHL 9.464 DLA -65.73 RAL 350.64 RAD 6569.8 VEL 14.523 PTH 2.64 VHP 13.016 OPA 48.00 RAP 278.53 ECC 2.4739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.84 5 26 51 2120.41 18.29 67.96 252.06 154.35 6 2 11 1520.4 25.46 64.55
 152.16 15 32 47 5685.46 18.30 261.19 252.08 154.34 17 7 32 5085.5 25.47 257.78
 27.84 5 26 51 2120.41 18.29 67.96 252.06 154.35 6 2 11 1520.4 25.46 64.55
 152.16 15 32 47 5685.46 18.30 261.19 252.08 154.34 17 7 32 5085.5 25.47 257.78
 27.84 5 26 51 2120.41 18.29 67.96 252.06 154.35 6 2 11 1520.4 25.46 64.55
 152.16 15 32 47 5685.46 18.30 261.19 252.08 154.34 17 7 32 5085.5 25.47 257.78

DIFFERENTIAL CORRECTIONS

TDE-4.9300 TRA .5731 TC3 -.5115 BAU .6176
 RDE -.4027 RRA -.2499 RC3 .0668 FAU .01583
 FDE-1.1590 FRA .2555 FC3 -.1530 BSP 9810
 BDE 4.9464 BRA .6252 BC3 .5158 FSP -227

MID-COURSE EXECUTION ACCURACY

SGT 3249.4 SGR 459.2 SG3 73.2
 RRT .1975 RRF -.0104 RTF .9779
 SGB 3281.7 R23 -.2115 R13 .9771
 SG1 3250.7 SG2 450.0 TMA 1.63

ORBIT DETERMINATION ACCURACY

ST 2995.7 SR 267.7 SS 799.4
 CRT .8725 CRS -.8335 CST -.9972
 LSA 3108.7 MSA 143.7 SSA .8
 EL1 3004.8 EL2 130.4 ALF 4.47

LAUNCH DATE DEC 25 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 372.638

RL 147.14 LAL .00 LOL 93.00 VL 27.998 GAL -8.70 AZL 19.21 HCA 181.05 SMA 130.10 ECC .19913 INC70.7857 V1 30.280
 RP 108.79 LAP -.99 LOP 273.34 VP 37.679 GAP 6.59 AZP 160.79 TAL 220.75 TAP 41.80 RCA 104.19 APO 156.00 V2 34.834
 RC 127.413 GL 50.46 GP -58.80 ZAL 97.04 ZAP 95.93 ETS 187.00 ZAE 58.99 ETE 113.88 ZAC 92.45 ETC 20.96 CLP 101.51

PLANETOCENTRIC CONIC

C31148.487 VHL 33.889 DLA 42.20 RAL 328.30 RAD 6573.0 VEL 35.634 PTH 3.52 VHP 40.442 OPA -53.79 RAP 158.38 ECC19.9012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.29 17 25 11 4872.88 .54 223.24 238.92 47.80 18 46 24 4272.9 -4.82 217.72
 122.71 0 36 13 3548.82 .56 121.70 238.91 47.80 1 35 22 2948.8 -4.81 116.18
 57.29 17 25 11 4872.88 .54 223.24 238.92 47.80 18 46 24 4272.9 -4.82 217.72
 122.71 0 36 13 3548.82 .56 121.70 238.91 47.80 1 35 22 2948.8 -4.81 116.18
 57.29 17 25 11 4872.88 .54 223.24 238.92 47.80 18 46 24 4272.9 -4.82 217.72
 122.71 0 36 13 3548.82 .56 121.70 238.91 47.80 1 35 22 2948.8 -4.81 116.18

DIFFERENTIAL CORRECTIONS

TDE-2.3445 TRA 2.6615 TC3 -.0710 BAU 3.0277
 RD-14.8945 RRA 2.0722 RC3 -.1840 FAU-.04474
 FDE 2.9024 FRA -.3030 FC3 .0337 BSP 7787
 BDE15.0779 BRA 3.3731 BC3 .1972 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 870.3 SGR 2849.5 SG3 47.2
 RRT .7602 RRF -.9989 RTF -.7294
 SGB 2979.5 R23 -.0912 R13 -.9958
 SG1 2928.2 SG2 550.3 TMA 76.44

ORBIT DETERMINATION ACCURACY

ST 436.5 SR 2522.4 SS 1716.3
 CRT .9305 CRS .9999 CST .9253
 LSA 3077.8 MSA 161.5 SSA .4
 EL1 2555.1 EL2 157.8 ALF 80.82

LAUNCH DATE DEC 25 1965

FLIGHT TIME 126.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 377.993

RL 147.14 LAL .00 LOL 93.00 VL 27.931 GAL -8.33 AZL 71.56 HCA 183.70 SMA 129.62 ECC .19708 INC18.4355 V1 30.280
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.622 GAP 6.65 AZP 108.40 TAL 218.96 TAP 42.66 RCA 104.07 APO 155.17 V2 34.826
 RC 129.747 GL 57.00 GP -65.83 ZAL 112.35 ZAP 113.14 ETS 280.54 ZAE 99.05 ETE 200.02 ZAC 82.64 ETC 109.55 CLP-163.72

PLANETOCENTRIC CONIC

C3 108.585 VML 10.420 OLA 38.79 RAL 301.66 RAD 6570.1 VEL 15.163 PTH 2.72 VHP 10.748 DPA -83.62 RAP 17.62 ECC 2.7870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.30 16 1 26 4543.16 -10.76 204.70 198.00 52.50 17 17 10 3943.2 -15.55 198.53
 117.70 22 23 28 3345.43 -10.74 113.92 197.99 52.50 23 19 13 2745.4 -15.54 107.76
 62.30 16 1 26 4543.16 -10.76 204.70 198.00 52.50 17 17 10 3943.2 -15.55 198.53
 117.70 22 23 28 3345.43 -10.74 113.92 197.99 52.50 23 19 13 2745.4 -15.54 107.76
 62.30 16 1 26 4543.16 -10.76 204.70 198.00 52.50 17 17 10 3943.2 -15.55 198.53
 117.70 22 23 28 3345.43 -10.74 113.92 197.99 52.50 23 19 13 2745.4 -15.54 107.76

DIFFERENTIAL CORRECTIONS

TDE 4.3637 TRA-3.2445 TC3 -.3848 BAU .5588
 RDE -.4640 RRA 1.0874 RC3 .0094 FAU .01995
 FDE 1.4305 FRA -.6801 FC3 -.1591 BSP 10866
 BDE 4.3883 BRA 3.4219 BC3 .3849 FSP -287

MID-COURSE EXECUTION ACCURACY

SGT 3411.5 SGR 808.6 SG3 84.6
 RRT -.8640 RRF -.7264 RTF .9733
 SGB 3506.1 R23 -.2504 R13 -.9676
 SG1 3483.3 SG2 398.7 THA 168.27

ORBIT DETERMINATION ACCURACY

ST 2495.8 SR 343.6 SS 742.6
 CRT -.8981 CRS .8509 CST -.9952
 LSA 2621.1 MSA 167.5 SSA .9
 EL1 2514.9 EL2 149.9 ALF 172.93

LAUNCH DATE DEC 25 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 383.800

RL 147.14 LAL .00 LOL 93.00 VL 27.864 GAL -8.04 AZL 78.59 HCA 186.81 SMA 129.15 ECC .19639 INC11.4083 V1 30.280
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.566 GAP 6.84 AZP 101.33 TAL 217.36 TAP 44.17 RCA 103.78 APO 154.51 V2 34.819
 RC 132.074 GL 47.49 GP -47.81 ZAL 121.02 ZAP 127.22 ETS 299.57 ZAE 113.13 ETE 208.83 ZAC 71.57 ETC 127.63 CLP-154.26

PLANETOCENTRIC CONIC

C3 54.803 VML 7.403 OLA 28.73 RAL 301.89 RAD 6569.0 VEL 13.273 PTH 2.43 VHP 7.191 DPA -66.87 RAP 331.73 ECC 1.9019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.94 18 31 19 3923.39 -13.06 158.60 186.88 64.18 19 36 42 3323.4 -16.43 151.51
 95.06 19 55 27 3651.02 -13.04 138.64 186.87 64.17 20 56 18 3051.0 -16.41 131.55
 100.00 21 44 41 3299.73 -20.00 115.99 190.14 67.31 22 39 41 2699.7 -22.90 108.39
 100.00 19 24 45 3749.91 -6.29 142.35 183.30 60.72 20 27 15 3149.9 -10.15 135.68
 110.00 0 11 16 2853.13 -28.86 85.81 193.85 70.83 0 58 49 2253.1 -31.20 77.39
 110.00 19 18 36 3769.27 1.78 138.83 178.32 55.86 20 21 25 3169.3 -2.72 132.62

DIFFERENTIAL CORRECTIONS

TDE 2.6138 TRA-2.8388 TC3 -1.0427 BAU .7674
 RDE .2814 RRA .2422 RC3 -.0990 FAU .04005
 FDE 1.4325 FRA -.7185 FC3 -.6327 BSP 11134
 BDE 2.6289 BRA 2.8491 BC3 1.0473 FSP -460

MID-COURSE EXECUTION ACCURACY

SGT 3571.2 SGR 338.5 SG3 136.9
 RRT -.1084 RRF .4534 RTF .9331
 SGB 3587.2 R23 .3534 R13 .9334
 SG1 3571.4 SG2 336.5 THA .59

ORBIT DETERMINATION ACCURACY

ST 2158.6 SR 227.1 SS 699.1
 CRT .8009 CRS -.8977 CST -.9828
 LSA 2273.2 MSA 180.7 SSA 1.6
 EL1 2166.3 EL2 135.5 ALF 4.83

LAUNCH DATE DEC 25 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 389.633

RL 147.14 LAL .00 LOL 93.00 VL 27.797 GAL -7.75 AZL 81.21 HCA 189.95 SMA 128.68 ECC .19590 INC 8.7911 V1 30.280
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.511 GAP 7.03 AZP 98.66 TAL 215.76 TAP 45.71 RCA 103.48 APO 153.89 V2 34.812
 RC 134.395 GL 41.39 GP -36.07 ZAL 125.18 ZAP 136.32 ETS 307.69 ZAE 120.36 ETE 205.99 ZAC 65.24 ETC 135.26 CLP-153.47

PLANETOCENTRIC CONIC

C3 40.542 VML 6.367 OLA 22.81 RAL 303.60 RAD 6568.6 VEL 12.724 PTH 2.31 VHP 6.195 DPA -55.02 RAP 326.52 ECC 1.6672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 54 32 3194.85 -26.16 110.38 186.57 78.76 22 47 47 2594.8 -27.45 101.95
 90.00 16 45 48 4228.71 .97 173.58 176.69 61.70 17 56 17 3628.7 -2.82 166.95
 100.00 23 32 59 2877.44 -28.31 87.48 187.02 79.98 24 20 56 2277.4 -29.40 78.85
 100.00 17 50 3 4021.35 2.88 157.28 175.63 60.23 18 57 4 3421.4 -1.11 150.76
 110.00 1 20 6 2354.61 -33.54 63.88 187.93 82.96 2 2 40 1954.6 -34.15 54.69
 110.00 18 23 21 3916.95 7.38 146.59 172.85 56.53 19 28 38 3316.9 2.93 140.33

DIFFERENTIAL CORRECTIONS

TDE 1.9897 TRA-2.5850 TC3 -1.5279 BAU .8305
 RDE .2479 RRA .1348 RC3 -.1160 FAU .05144
 FDE 1.3717 FRA -.6850 FC3 -1.0984 BSP 11394
 BDE 2.0051 BRA 2.5885 BC3 1.5323 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 3655.0 SGR 298.2 SG3 171.2
 RRT .3256 RRF .6668 RTF .9138
 SGB 3667.1 R23 .3887 R13 .9146
 SG1 3656.3 SG2 281.8 THA 1.53

ORBIT DETERMINATION ACCURACY

ST 1944.8 SR 226.6 SS 669.7
 CRT .8391 CRS -.9439 CST -.9716
 LSA 2060.5 MSA 191.0 SSA 2.8
 EL1 1954.1 EL2 122.7 ALF 5.61

LAUNCH DATE DEC 25 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 395.466

RL 147.14 LAL .00 LOL 93.00 VL 27.731 GAL -7.46 AZL 82.58 HCA 193.11 SMA 128.23 ECC .19554 INC 7.4240 V1 30.280
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.456 GAP 7.22 AZP 97.23 TAL 214.15 TAP 47.25 RCA 103.15 APO 153.30 V2 34.806
 RC 136.709 GL 37.48 GP -28.41 ZAL 127.07 ZAP 142.23 ETS 313.48 ZAE 124.20 ETE 202.25 ZAC 62.07 ETC 140.68 CLP-154.00

PLANETOCENTRIC CONIC

C3 34.094 VML 5.839 OLA 19.24 RAL 305.40 RAD 6568.3 VEL 12.469 PTH 2.26 VHP 5.831 DPA -47.08 RAP 325.38 ECC 1.5611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 45 23 2992.29 -28.03 95.87 183.95 85.78 23 35 15 2392.3 -28.32 87.22
 90.00 16 9 23 4343.76 4.66 180.01 174.48 62.04 17 21 47 3743.8 .89 173.37
 100.00 0 22 34 2691.56 -29.75 73.87 184.08 86.99 1 7 26 2091.6 -29.85 65.07
 100.00 17 18 49 4119.72 6.18 162.71 173.64 60.70 18 27 29 3519.7 2.23 156.16
 110.00 1 56 35 2397.43 -34.18 51.66 184.21 90.16 2 36 32 1797.4 -33.78 42.44
 110.00 18 1 18 3986.61 9.98 150.31 171.33 57.13 19 7 44 3386.6 5.58 143.98

DIFFERENTIAL CORRECTIONS

TDE 1.6800 TRA-2.4333 TC3 -1.9072 BAU .8703
 RDE .2042 RRA .1069 RC3 -.0911 FAU .05681
 FDE 1.2745 FRA -.6167 FC3 -1.4426 BSP 11781
 BDE 1.6924 BRA 2.4357 BC3 1.9094 FSP -633

MID-COURSE EXECUTION ACCURACY

SGT 3751.5 SGR 252.6 SG3 189.5
 RRT .3022 RRF .6471 RTF .9033
 SGB 3760.0 R23 .3913 R13 .9039
 SG1 3752.3 SG2 240.7 THA 1.17

ORBIT DETERMINATION ACCURACY

ST 1816.0 SR 203.1 SS 638.0
 CRT .8275 CRS -.9498 CST -.9614
 LSA 1925.3 MSA 198.5 SSA 4.1
 EL1 1823.8 EL2 113.6 ALF 5.31

LAUNCH DATE DEC 25 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 27.665 GAL -7.16 AZL 83.42 MCA 196.26 SMA 127.78 ECC .19529 INC 6.5807 V1 30.280
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.403 GAP 7.41 AZP 96.32 TAL 212.51 TAP 48.78 RCA 102.82 APO 152.73 V2 34.801
 RC 139.015 GL 34.85 GP -23.20 ZAL 127.72 ZAP 146.33 ETS 317.95 ZAE 126.35 ETE 198.97 ZAC 60.75 ETC 144.87 CLP-154.89

PLANETOCENTRIC CONIC
 C3 30.307 VHL 5.305 DLA 17.01 RAL 307.20 RAD 6568.2 VEL 12.316 PTH 2.22 VHP 5.693 DPA -41.48 RAP 325.60 ECC 1.4988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 15 35 2875.71 -28.32 87.36 182.52 90.04 24 3 31 2275.7 -28.01 78.71
 90.00 15 53 33 4401.07 6.48 183.24 173.97 62.38 17 6 54 3801.1 2.73 176.57
 100.00 0 50 36 2581.99 -29.87 65.73 182.50 91.27 1 33 38 1982.0 -29.37 56.96
 100.00 17 5 9 4170.02 7.85 165.52 173.23 61.06 18 14 39 3570.0 3.93 158.92
 110.00 2 20 18 2301.30 -33.91 44.17 182.26 94.58 2 58 40 1701.3 -32.91 35.08
 110.00 17 51 56 4023.47 11.33 152.31 171.14 57.53 18 59 0 3423.5 6.97 145.93

DIFFERENTIAL CORRECTIONS
 TOE 1.5050 TRA-2.3194 TC3-2.2211 BAU .9002 SGT 3848.0 SGR 220.6 SG3 198.1 ST 1741.4 SR 188.6 SS 612.3
 RDE .1788 RRA .0940 RC3 -.0543 FAU .05864 RRT .2115 RRF .5537 RTF .8962 CRT .8171 CRS -.9536 CST -.9525
 FDE 1.1832 FRA -.5337 FC3-1.6752 BSP 12095 SGB 3854.3 R23 .3720 R13 .8964 LSA 1844.2 MSA 204.6 SSA 5.4
 BDE 1.5156 BRA 2.3213 BC3 2.2218 FSP -657 SG1 3848.3 SG2 215.6 THA .70 EL1 1748.2 EL2 108.3 ALF 5.08

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 27.600 GAL -6.86 AZL 83.99 MCA 199.42 SMA 127.34 ECC .19515 INC 6.0057 V1 30.280
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.350 GAP 7.60 AZP 95.67 TAL 210.86 TAP 50.28 RCA 102.49 APO 152.19 V2 34.797
 RC 141.312 GL 33.00 GP -19.48 ZAL 127.62 ZAP 149.38 ETS 321.48 ZAE 127.61 ETE 196.32 ZAC 60.52 ETC 148.21 CLP-155.89

PLANETOCENTRIC CONIC
 C3 27.715 VHL 5.264 DLA 15.61 RAL 309.01 RAD 6568.1 VEL 12.210 PTH 2.19 VHP 5.653 DPA -37.31 RAP 326.47 ECC 1.4561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 36 12 2801.63 -28.19 81.94 181.97 92.75 24 22 54 2201.6 -27.51 73.34
 90.00 15 47 19 4430.43 7.41 184.91 174.20 62.59 17 1 10 3830.4 3.68 178.21
 100.00 1 10 4 2511.61 -29.65 60.51 181.87 94.01 1 51 55 1911.6 -28.78 51.82
 100.00 17 0 4 4195.68 8.69 166.96 173.51 61.29 18 10 0 3595.7 4.79 160.34
 110.00 2 37 24 2238.32 -33.46 39.31 181.42 97.42 3 14 43 1858.3 -32.08 30.35
 110.00 17 49 13 4041.74 12.00 153.30 171.53 57.75 18 56 35 3441.7 7.65 146.90

DIFFERENTIAL CORRECTIONS
 TDE 1.3982 TRA-2.2230 TC3-2.4995 BAU .9261 SGT 3943.6 SGR 204.4 SG3 201.4 ST 1700.0 SR 182.5 SS 592.0
 RDE .1656 RRA .0838 RC3 -.0174 FAU .05874 RRT .1052 RRF .4273 RTF .8912 CRT .8154 CRS -.9593 CST -.9452
 FDE 1.1034 FRA -.4513 FC3-1.8350 BSP 12395 SGB 3948.9 R23 .3351 R13 .8913 LSA 1797.2 MSA 209.0 SSA 6.7
 BDE 1.4080 BRA 2.2246 BC3 2.4995 FSP -666 SG1 3943.7 SG2 203.3 THA .31 EL1 1706.5 EL2 105.2 ALF 5.02

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 27.535 GAL -6.54 AZL 84.41 MCA 202.58 SMA 126.90 ECC .19513 INC 5.5865 V1 30.280
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.299 GAP 7.79 AZP 95.16 TAL 209.19 TAP 51.77 RCA 102.14 APO 151.66 V2 34.793
 RC 143.598 GL 31.65 GP -16.72 ZAL 127.03 ZAP 151.78 ETS 324.29 ZAE 128.38 ETE 194.20 ZAC 60.97 ETC 150.92 CLP-156.93

PLANETOCENTRIC CONIC
 C3 25.780 VHL 5.075 DLA 14.75 RAL 310.83 RAD 6568.0 VEL 12.130 PTH 2.17 VHP 5.664 DPA -34.04 RAP 327.70 ECC 1.4239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 51 23 2752.75 -27.98 78.38 182.01 94.52 24 37 15 2152.7 -27.06 69.84
 90.00 15 46 43 4443.01 7.80 185.62 174.81 62.69 17 0 46 3843.0 4.08 178.92
 100.00 1 24 36 2464.79 -29.37 57.06 181.87 95.80 2 5 41 1864.8 -28.26 48.43
 100.00 17 0 7 4206.19 9.03 167.55 174.15 61.38 18 10 13 3606.2 5.14 160.92
 110.00 2 50 36 2195.72 -33.04 36.06 181.30 99.31 3 27 11 1595.7 -31.40 27.22
 110.00 17 50 37 4048.03 12.22 153.65 172.25 57.83 18 58 5 3448.0 7.89 147.24

DIFFERENTIAL CORRECTIONS
 TOE 1.3301 TRA-2.1356 TC3-2.7609 BAU .9508 SGT 4040.3 SGR 201.1 SG3 201.9 ST 1679.6 SR 182.6 SS 577.0
 RDE .1601 RRA .0739 RC3 .0170 FAU .05792 RRT .0098 RRF .2977 RTF .8873 CRT .8217 CRS -.9667 CST -.9392
 FDE 1.0367 FRA -.3727 FC3-1.9466 BSP 12727 SGB 4045.3 R23 .2890 R13 .8873 LSA 1772.6 MSA 212.5 SSA 8.0
 BDE 1.3397 BRA 2.1369 BC3 2.7609 FSP -667 SG1 4040.3 SG2 201.0 THA .03 EL1 1686.3 EL2 103.7 ALF 5.13

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 27.471 GAL -6.22 AZL 84.73 MCA 205.74 SMA 126.47 ECC .19524 INC 5.2656 V1 30.280
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.248 GAP 7.97 AZP 94.75 TAL 207.50 TAP 53.24 RCA 101.78 APO 151.17 V2 34.790
 RC 145.874 GL 30.63 GP -14.60 ZAL 126.08 ZAP 153.76 ETS 326.54 ZAE 128.87 ETE 192.50 ZAC 61.87 ETC 153.16 CLP-157.96

PLANETOCENTRIC CONIC
 C3 24.191 VHL 4.918 DLA 14.28 RAL 312.70 RAD 6568.0 VEL 12.065 PTH 2.16 VHP 5.703 DPA -31.36 RAP 329.16 ECC 1.3981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 7 3 2720.47 -27.79 76.04 182.48 95.68 0 52 24 2120.5 -26.71 67.54
 90.00 15 49 54 4444.33 7.84 185.70 175.69 62.70 17 3 58 3844.3 4.12 178.99
 100.00 1 36 0 2433.61 -29.14 54.77 182.31 96.99 2 16 34 1833.6 -27.87 46.20
 100.00 17 3 38 4206.42 9.04 167.56 175.05 61.39 18 13 44 3606.4 5.15 160.93
 110.00 3 1 17 2166.79 -32.70 33.87 181.67 100.56 3 37 24 1566.8 -30.90 25.11
 110.00 17 54 51 4046.01 12.15 153.54 173.19 57.80 19 2 17 3446.0 7.81 147.13

DIFFERENTIAL CORRECTIONS
 TOE 1.2818 TRA-2.0570 TC3-3.0232 BAU .9778 SGT 4145.8 SGR 205.2 SG3 201.6 ST 1669.7 SR 186.3 SS 562.5
 RDE .1587 RRA .0632 RC3 .0473 FAU .05696 RRT -.0590 RRF .1848 RTF .8858 CRT .8328 CRS -.9742 CST -.9346
 FDE .9741 FRA -.3063 FC3-2.0386 BSP 13218 SGB 4150.8 R23 -.2376 R13 -.8857 LSA 1758.7 MSA 213.9 SSA 9.3
 BDE 1.2915 BRA 2.0580 BC3 3.0236 FSP -679 SG1 4145.8 SG2 204.8 THA 179.83 EL1 1676.9 EL2 102.7 ALF 5.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 424.515

RL 147.14 LAL .00 LOL 93.00 VL 27.407 GAL -5.89 AZL 84.99 HCA 208.90 SMA 126.06 ECC .19545 INC 5.0106 V1 30.280
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.199 GAP 8.16 AZP 94.39 TAL 205.79 TAP 54.69 RCA 101.42 APO 150.69 V2 34.787
 RC 148.138 GL 29.86 GP -12.94 ZAL 124.84 ZAP 155.47 ETS 328.36 ZAE 129.20 ETE 191.13 ZAC 63.08 ETC 155.04 CLP-158.98

PLANETOCENTRIC CONIC

C3 22.874 VHL 4.783 DLA 14.09 RAL 314.64 RAD 6567.9 VEL 12.011 PTH 2.14 VHP 5.759 DPA -29.10 RAP 330.79 ECC 1.3765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 16 27 2700.16 -27.64 74.57 183.28 96.41 1 1 28 2100.2 -26.47 66.10
 90.00 15 55 55 4437.30 7.62 185.30 176.77 62.65 17 9 53 3837.3 3.90 178.60
 100.00 1 45 16 2413.73 -28.96 53.32 183.10 97.73 2 25 30 1813.7 -27.59 44.78
 100.00 17 9 48 4198.97 8.80 167.14 176.14 61.32 18 19 47 3599.0 4.90 160.52
 110.00 3 10 16 2147.79 -32.46 32.44 182.41 101.37 3 46 4 1547.8 -30.55 23.74
 110.00 18 1 17 4037.68 11.85 153.08 174.31 57.70 19 8 35 3437.7 7.50 146.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3064 TRA-1.9232 TC3-3.1880 BAU .9752 SGT 4170.3 SGR 221.3 SG3 194.7 ST 1722.0 SR 196.5 SS 585.0
 RDE .1631 RRA .0560 RC3 .0811 FAU .05281 RRT -.1032 RRF .1307 RTF .8720 CRT .8593 CRS -.9849 CST -.9325
 FDE .9786 FRA -.1811 FC3-1.9988 BSP 12420 SGB 4176.1 R23 -.2221 R13 -.8720 LSA 1815.7 MSA 222.0 SSA 10.0
 BDE 1.3165 BRA 1.9241 BC3 3.1890 FSP -564 SG1 4170.3 SG2 220.1 TMA 179.69 EL1 1730.3 EL2 100.0 ALF 5.62

LAUNCH DATE DEC 25 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 430.293

RL 147.14 LAL .00 LOL 93.00 VL 27.345 GAL -5.55 AZL 85.20 HCA 212.06 SMA 125.65 ECC .19581 INC 4.8021 V1 30.280
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.152 GAP 8.34 AZP 94.07 TAL 204.07 TAP 56.13 RCA 101.04 APO 150.25 V2 34.786
 RC 150.390 GL 29.24 GP -11.60 ZAL 123.37 ZAP 156.98 ETS 329.83 ZAE 129.42 ETE 189.99 ZAC 64.50 ETC 156.62 CLP-159.98

PLANETOCENTRIC CONIC

C3 21.750 VHL 4.664 DLA 14.11 RAL 316.64 RAD 6567.9 VEL 11.964 PTH 2.13 VHP 5.827 DPA -27.12 RAP 332.52 ECC 1.3580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 24 15 2688.68 -27.55 73.75 184.36 96.81 1 9 4 2088.7 -26.32 65.29
 90.00 16 4 6 4424.35 7.22 184.56 178.03 62.54 17 17 50 3824.3 3.48 177.87
 100.00 1 53 5 2402.20 -28.86 52.48 184.16 98.16 2 33 7 1802.2 -27.43 43.97
 100.00 17 17 57 4186.06 8.38 166.42 177.40 61.20 18 27 43 3586.1 4.47 159.81
 110.00 3 18 6 2136.16 -32.30 31.57 183.46 101.86 3 53 43 1536.2 -30.33 22.91
 110.00 18 9 25 4024.86 11.38 152.38 175.60 57.55 19 16 29 3424.9 7.02 146.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2684 TRA-1.8625 TC3-3.4809 BAU 1.0126 SGT 4305.3 SGR 230.1 SG3 195.2 ST 1714.2 SR 202.8 SS 563.1
 RDE .1645 RRA .0430 RC3 .1025 FAU .05266 RRT -.1251 RRF .0543 RTF .8775 CRT .8718 CRS -.9891 CST -.9306
 FDE .9079 FRA -.1498 FC3-2.0962 BSP 13450 SGB 4311.5 R23 -.1657 R13 -.8774 LSA 1802.6 MSA 217.5 SSA 11.6
 BDE 1.2790 BRA 1.8630 BC3 3.4824 FSP -626 SG1 4305.4 SG2 228.3 TMA 179.62 EL1 1723.4 EL2 98.8 ALF 5.91

LAUNCH DATE DEC 25 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 436.065

RL 147.14 LAL .00 LOL 93.00 VL 27.283 GAL -5.21 AZL 85.37 HCA 215.22 SMA 125.24 ECC .19631 INC 4.6273 V1 30.280
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.105 GAP 8.52 AZP 93.78 TAL 202.33 TAP 57.55 RCA 100.66 APO 149.83 V2 34.785
 RC 152.629 GL 28.75 GP -10.51 ZAL 121.70 ZAP 158.34 ETS 331.01 ZAE 129.59 ETE 189.06 ZAC 66.10 ETC 158.03 CLP-160.95

PLANETOCENTRIC CONIC

C3 20.768 VHL 4.557 DLA 14.30 RAL 318.73 RAD 6567.8 VEL 11.923 PTH 2.12 VHP 5.904 DPA -25.35 RAP 334.34 ECC 1.3418
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 30 49 2684.48 -27.52 73.44 185.69 96.96 1 15 34 2084.5 -26.27 65.00
 90.00 16 14 10 4406.33 6.65 183.54 179.46 62.41 17 27 37 3806.3 2.90 176.86
 100.00 1 59 47 2397.55 -28.81 52.14 185.49 98.33 2 39 45 1797.6 -27.36 43.64
 100.00 17 27 53 4168.48 7.80 165.43 178.84 61.05 18 37 22 3568.5 3.88 158.84
 110.00 3 25 6 2130.59 -32.22 31.16 184.78 102.10 4 0 37 1530.6 -30.22 22.51
 110.00 18 19 4 4008.20 10.77 151.48 177.04 57.36 19 25 52 3408.2 6.39 145.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2704 TRA-1.7687 TC3-3.7233 BAU 1.0344 SGT 4397.0 SGR 244.0 SG3 192.4 ST 1742.3 SR 212.3 SS 561.6
 RDE .1686 RRA .0319 RC3 .1246 FAU .05089 RRT -.1325 RRF .0156 RTF .8763 CRT .8910 CRS -.9936 CST -.9305
 FDE .8740 FRA -.0885 FC3-2.1215 BSP 13802 SGB 4403.8 R23 -.1331 R13 -.8762 LSA 1830.1 MSA 216.0 SSA 12.7
 BDE 1.2816 BRA 1.7690 BC3 3.7254 FSP -622 SG1 4397.2 SG2 241.8 TMA 179.58 EL1 1752.6 EL2 95.8 ALF 6.22

LAUNCH DATE DEC 25 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 441.828

RL 147.14 LAL .00 LOL 93.00 VL 27.221 GAL -4.85 AZL 85.52 HCA 218.38 SMA 124.85 ECC .19694 INC 4.4779 V1 30.280
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.060 GAP 8.71 AZP 93.51 TAL 200.58 TAP 58.96 RCA 100.26 APO 149.44 V2 34.784
 RC 154.855 GL 28.34 GP -9.60 ZAL 119.85 ZAP 159.59 ETS 331.95 ZAE 129.72 ETE 188.28 ZAC 67.83 ETC 159.23 CLP-161.90

PLANETOCENTRIC CONIC

C3 19.905 VHL 4.462 DLA 14.64 RAL 320.91 RAD 6567.8 VEL 11.886 PTH 2.11 VHP 5.988 DPA -23.72 RAP 336.23 ECC 1.3276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 36 28 2686.31 -27.53 73.57 187.24 96.89 1 21 15 2086.3 -26.29 65.13
 90.00 16 25 56 4384.23 5.95 182.29 181.07 62.26 17 39 0 3784.2 2.19 175.63
 100.00 2 5 41 2398.61 -28.82 52.22 187.05 98.29 2 45 40 1798.6 -27.37 43.71
 100.00 17 39 24 4147.17 7.09 164.24 180.45 60.89 18 48 31 3547.2 3.16 157.66
 110.00 3 31 31 2130.05 -32.21 31.12 186.34 102.12 4 7 1 1530.0 -30.21 22.47
 110.00 18 30 4 3988.49 10.05 150.41 178.65 57.15 19 36 32 3388.5 5.65 144.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2843 TRA-1.6668 TC3-3.9600 BAU 1.0545 SGT 4483.4 SGR 258.6 SG3 189.3 ST 1781.1 SR 222.6 SS 563.4
 RDE .1732 RRA .0209 RC3 .1444 FAU .04899 RRT -.1293 RRF -.0073 RTF .8750 CRT .9103 CRS -.9964 CST -.9317
 FDE .8468 FRA -.0280 FC3-2.1309 BSP 14102 SGB 4490.8 R23 -.1070 R13 -.8750 LSA 1869.1 MSA 213.5 SSA 13.9
 BDE 1.2960 BRA 1.6669 BC3 3.9626 FSP -613 SG1 4483.5 SG2 256.4 TMA 179.57 EL1 1792.6 EL2 91.6 ALF 6.51

LAUNCH DATE DEC 25 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 447.581
 RL 147.14 LAL .00 LOL 93.00 VL 27.160 GAL -4.48 AZL 85.65 MCA 221.54 SMA 124.46 ECC .19772 INC 4.3480 V1 30.280
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.015 GAP 8.90 AZP 93.26 TAL 198.81 TAP 60.35 RCA 99.85 APO 149.07 V2 34.785
 RC 157.067 GL 27.98 GP -8.83 ZAL 117.83 ZAP 160.75 ETS 332.70 ZAE 129.83 ETE 187.62 ZAC 69.66 ETC 160.28 CLP-162.83

PLANETOCENTRIC CONIC

C3 19.146 VHL 4.376 DLA 15.10 RAL 323.19 RAD 6567.8 VEL 11.854 PTH 2.10 VHP 6.078 DPA -22.21 RAP 338.16 ECC 1.3151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 25 2693.40 -27.59 74.09 189.02 96.64 1 26 18 2093.4 -26.38 65.63
 90.00 16 39 13 4358.72 5.14 180.86 182.86 62.12 17 51 52 3758.7 1.37 174.21
 100.00 2 10 58 2404.62 -28.88 52.65 188.83 98.07 2 51 2 1804.6 -27.46 44.14
 100.00 17 52 21 4122.73 6.28 162.88 182.23 60.72 19 1 4 3522.7 2.33 156.32
 110.00 3 37 30 2133.85 -32.26 31.40 188.14 101.96 4 13 4 1533.8 -30.28 22.74
 110.00 18 42 18 3966.27 9.22 149.22 180.43 56.94 19 48 24 3366.3 4.81 142.91

DIFFERENTIAL CORRECTIONS

TDE 1.3067 TRA-1.5580 TC3-4.1927 BAU 1.0740
 RDE .1782 RRA .0100 RC3 .1618 FAU .04707
 FDE .8235 FRA .0299 FC3-2.1283 BSP 14395
 BDE 1.3188 BRA 1.5580 BC3 4.1958 FSP -603

MID-COURSE EXECUTION ACCURACY

SGT 4566.7 SGR 273.2 SG3 186.0
 RRT -.1192 RRF -.0196 RTF .8742
 SGB 4574.9 R23 -.0856 R13 -.8741
 SG1 4566.8 SG2 271.3 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 1827.9 SR 233.4 SS 567.1
 CRT .9286 CRS -.9975 CST -.9339
 LSA 1916.6 MSA 209.8 SSA 15.0
 EL1 1840.8 EL2 86.0 ALF 6.78

LAUNCH DATE DEC 25 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 453.323
 RL 147.14 LAL .00 LOL 93.00 VL 27.100 GAL -4.11 AZL 85.77 MCA 224.70 SMA 124.08 ECC .19866 INC 4.2333 V1 30.280
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.973 GAP 9.09 AZP 93.01 TAL 197.03 TAP 61.73 RCA 99.43 APO 148.74 V2 34.786
 RC 159.265 GL 27.65 GP -8.18 ZAL 115.65 ZAP 161.84 ETS 333.26 ZAE 129.92 ETE 187.06 ZAC 71.57 ETC 161.22 CLP-163.73

PLANETOCENTRIC CONIC

C3 18.482 VHL 4.299 DLA 15.66 RAL 325.59 RAD 6567.7 VEL 11.826 PTH 2.09 VHP 6.173 DPA -20.79 RAP 340.14 ECC 1.3042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 48 2705.21 -27.68 74.94 191.02 96.23 1 30 53 2105.2 -26.53 66.46
 90.00 16 53 57 4330.30 4.23 179.26 184.83 61.98 18 6 7 3730.3 .45 172.62
 100.00 2 15 46 2415.06 -28.98 53.42 190.84 97.68 2 56 1 1815.1 -27.61 44.88
 100.00 18 6 40 4095.68 5.38 161.38 184.20 60.55 19 14 55 3495.7 1.42 154.84
 110.00 3 43 12 2141.51 -32.37 31.97 190.17 101.64 4 18 53 1541.5 -30.43 23.29
 110.00 18 55 43 3941.99 8.32 147.92 182.40 56.72 20 1 25 3342.0 3.88 141.64

DIFFERENTIAL CORRECTIONS

TDE 1.3371 TRA-1.4416 TC3-4.4198 BAU 1.0929
 RDE .1833 RRA -.0008 RC3 .1766 FAU .04516
 FDE .8036 FRA .0857 FC3-2.1152 BSP 14682
 BDE 1.3496 BRA 1.4416 BC3 4.4233 FSP -593

MID-COURSE EXECUTION ACCURACY

SGT 4647.4 SGR 287.7 SG3 182.6
 RRT -.1042 RRF -.0239 RTF .8737
 SGB 4656.3 R23 -.0678 R13 -.8736
 SG1 4647.5 SG2 286.1 THA 179.63

ORBIT DETERMINATION ACCURACY

ST 1883.3 SR 244.4 SS 572.3
 CRT .9454 CRS -.9970 CST -.9370
 LSA 1972.8 MSA 204.9 SSA 16.1
 EL1 1897.4 EL2 79.1 ALF 7.01

LAUNCH DATE DEC 25 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 459.055
 RL 147.14 LAL .00 LOL 93.00 VL 27.041 GAL -3.72 AZL 85.87 MCA 227.86 SMA 123.71 ECC .19977 INC 4.1307 V1 30.280
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.931 GAP 9.28 AZP 92.77 TAL 195.24 TAP 63.10 RCA 99.00 APO 148.43 V2 34.788
 RC 161.449 GL 27.34 GP -7.62 ZAL 113.31 ZAP 162.87 ETS 333.67 ZAE 130.01 ETE 186.58 ZAC 73.55 ETC 162.05 CLP-164.61

PLANETOCENTRIC CONIC

C3 17.907 VHL 4.232 DLA 16.30 RAL 328.10 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 6.274 DPA -19.43 RAP 342.15 ECC 1.2947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 44 2721.38 -27.79 76.11 193.25 95.65 1 35 6 2121.4 -26.72 67.61
 90.00 17 10 4 4299.36 3.24 177.53 187.01 61.85 18 21 44 3699.4 -.55 170.90
 100.00 2 20 13 2429.58 -29.10 54.48 193.08 97.14 3 0 43 1829.6 -27.81 45.91
 100.00 18 22 16 4066.39 4.40 159.76 186.38 60.40 19 30 3 3466.4 .42 153.23
 110.00 3 48 43 2152.70 -32.52 32.81 192.44 101.16 4 24 36 1552.7 -30.64 24.10
 110.00 19 10 16 3916.03 7.35 146.54 184.56 56.52 20 15 32 3316.0 2.89 140.28

DIFFERENTIAL CORRECTIONS

TDE 1.3774 TRA-1.3145 TC3-4.6316 BAU 1.1098
 RDE .1887 RRA -.0112 RC3 .1890 FAU .04314
 FDE .7886 FRA .1416 FC3-2.0854 BSP 14881
 BDE 1.3903 BRA 1.3145 BC3 4.6355 FSP -578

MID-COURSE EXECUTION ACCURACY

SGT 4720.4 SGR 301.9 SG3 179.1
 RRT -.0851 RRF -.0203 RTF .8729
 SGB 4730.1 R23 -.0545 R13 -.8729
 SG1 4720.5 SG2 300.8 THA 179.69

ORBIT DETERMINATION ACCURACY

ST 1949.7 SR 255.6 SS 580.4
 CRT .9604 CRS -.9949 CST -.9409
 LSA 2040.5 MSA 199.2 SSA 17.1
 EL1 1965.1 EL2 70.7 ALF 7.18

LAUNCH DATE DEC 25 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 464.776
 RL 147.14 LAL .00 LOL 93.00 VL 26.983 GAL -3.32 AZL 85.96 MCA 231.02 SMA 123.35 ECC .20105 INC 4.0379 V1 30.280
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.891 GAP 9.48 AZP 92.54 TAL 193.44 TAP 64.46 RCA 98.55 APO 148.15 V2 34.791
 RC 163.619 GL 27.03 GP -7.13 ZAL 110.82 ZAP 163.85 ETS 333.93 ZAE 130.10 ETE 186.17 ZAC 75.59 ETC 162.80 CLP-165.47

PLANETOCENTRIC CONIC

C3 17.420 VHL 4.174 DLA 17.02 RAL 330.74 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 6.379 DPA -18.11 RAP 344.19 ECC 1.2867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 19 2741.62 -27.92 77.57 195.70 94.93 1 39 1 2141.6 -26.94 69.04
 90.00 17 27 32 4266.31 2.18 175.68 189.41 61.76 18 38 39 3666.3 -1.61 169.05
 100.00 2 24 25 2447.87 -29.25 55.82 195.55 96.45 3 5 13 1847.9 -28.05 47.22
 100.00 18 39 8 4035.28 3.35 158.05 188.76 60.28 19 46 23 3435.3 -.63 151.52
 110.00 3 54 8 2167.14 -32.71 33.89 194.95 100.54 4 30 16 1567.1 -30.91 25.14
 110.00 19 25 54 3888.78 6.32 145.10 186.92 56.34 20 30 43 3288.8 1.85 138.86

DIFFERENTIAL CORRECTIONS

TDE 1.4212 TRA-1.1821 TC3-4.8389 BAU 1.1279
 RDE .1941 RRA -.0213 RC3 .1985 FAU .04129
 FDE .7728 FRA .1926 FC3-2.0522 BSP 15160
 BDE 1.4344 BRA 1.1823 BC3 4.8430 FSP -570

MID-COURSE EXECUTION ACCURACY

SGT 4796.1 SGR 315.3 SG3 175.7
 RRT -.0645 RRF -.0150 RTF .8735
 SGB 4806.4 R23 -.0417 R13 -.8734
 SG1 4796.1 SG2 314.7 THA 179.76

ORBIT DETERMINATION ACCURACY

ST 2020.0 SR 266.7 SS 587.2
 CRT .9727 CRS -.9915 CST -.9451
 LSA 2111.6 MSA 192.3 SSA 18.2
 EL1 2036.6 EL2 61.4 ALF 7.33

LAUNCH DATE DEC 25 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 470.485

RL 147.14 LAL .00 LOL 93.00 VL 26.925 GAL -2.91 AZL 86.05 MCA 234.19 SMA 122.99 ECC .20251 INC 3.9529 VI 30.280
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.852 GAP 9.68 AZP 92.32 TAL 191.63 TAP 65.81 RCA 98.09 APO 147.90 V2 34.794
 RC 165.775 GL 26.70 GP -6.71 ZAL 108.19 ZAP 164.78 ETS 334.04 ZAE 130.19 ETE 185.82 ZAC 77.68 ETC 163.47 CLP-166.31

PLANETOCENTRIC CONIC

C3 17.020 VML 4.126 DLA 17.79 RAL 333.51 RAD 6567.7 VEL 11.765 PTH 2.08 VMP 6.490 DPA -16.83 RAP 346.25 ECC 1.2801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 37 2765.74 -28.05 79.33 198.38 94.06 1 42 43 2165.7 -27.19 70.77
 90.00 17 46 19 4231.46 1.05 173.73 192.03 61.70 18 56 51 3631.5 -2.74 167.11
 100.00 2 28 25 2469.74 -29.41 57.42 198.25 95.62 3 9 35 1869.7 -28.32 48.79
 100.00 18 57 13 4002.69 2.25 156.26 191.36 60.18 20 3 56 3402.7 -1.74 149.73
 110.00 3 59 33 2184.59 -32.92 35.21 197.69 99.79 4 35 58 1584.6 -31.21 26.40
 110.00 19 42 34 3860.60 5.25 143.61 189.49 56.17 20 46 55 3260.6 .78 137.39

DIFFERENTIAL CORRECTIONS

TDE 1.4710 TRA-1.0408 TC3-5.0282 BAU 1.1451
 RDE .1998 RRA -.0308 RC3 .2054 FAU .03943
 FDE .7591 FRA .2425 FC3-2.0058 BSP 15423
 BDE 1.4845 BRA 1.0413 BC3 5.0324 FSP -560

MID-COURSE EXECUTION ACCURACY

SGT 4867.3 SGR 328.3 SG3 172.3
 RRT -.0424 RRF -.0058 RTF .8741
 SGB 4878.4 R23 -.0315 R13 -.8741
 SG1 4867.4 SG2 328.0 THA 179.84

ORBIT DETERMINATION ACCURACY

ST 2096.8 SR 277.9 SS 594.7
 CRT .9825 CRS -.9868 CST -.9494
 LSA 2189.2 MSA 185.0 SSA 19.2
 EL1 2114.5 EL2 51.4 ALF 7.42

LAUNCH DATE DEC 25 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 476.182

RL 147.14 LAL .00 LOL 93.00 VL 26.868 GAL -2.49 AZL 86.13 MCA 237.35 SMA 122.65 ECC .20417 INC 3.8745 VI 30.280
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.814 GAP 9.89 AZP 92.09 TAL 189.81 TAP 67.15 RCA 97.61 APO 147.69 V2 34.798
 RC 167.915 GL 26.34 GP -6.34 ZAL 105.43 ZAP 165.68 ETS 334.02 ZAE 130.28 ETE 185.52 ZAC 79.81 ETC 164.07 CLP-167.14

PLANETOCENTRIC CONIC

C3 16.710 VML 4.088 DLA 18.61 RAL 336.41 RAD 6567.7 VEL 11.751 PTH 2.07 VMP 6.606 DPA -15.58 RAP 348.32 ECC 1.2750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 42 2793.56 -28.17 81.35 201.29 93.05 1 46 16 2193.6 -27.45 72.76
 90.00 18 6 23 4195.17 -.12 171.71 194.88 61.68 19 16 18 3595.2 -3.90 165.08
 100.00 2 32 18 2494.97 -29.56 59.28 201.19 94.65 3 13 53 1895.0 -28.60 50.61
 100.00 19 16 28 3968.99 1.10 154.41 194.20 60.13 20 22 37 3369.0 -2.88 147.88
 110.00 4 3 1 2204.86 -33.14 36.75 200.69 98.91 4 41 46 1604.9 -31.56 27.88
 110.00 20 0 14 3831.86 4.16 142.10 192.29 56.04 21 4 6 3231.9 -.32 135.89

DIFFERENTIAL CORRECTIONS

TDE 1.5295 TRA -.8874 TC3-5.1890 BAU 1.1601
 RDE .2059 RRA -.0397 RC3 .2095 FAU .03752
 FDE .7485 FRA .2927 FC3-1.9439 BSP 15599
 BDE 1.5433 BRA .8883 BC3 5.1932 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 4931.0 SGR 340.7 SG3 168.7
 RRT -.0183 RRF .0078 RTF .8747
 SGB 4942.8 R23 -.0238 R13 -.8747
 SG1 4931.0 SG2 340.7 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 2183.3 SR 289.2 SS 604.0
 CRT .9899 CRS -.9811 CST -.9539
 LSA 2276.7 MSA 177.6 SSA 20.2
 EL1 2202.0 EL2 40.7 ALF 7.47

LAUNCH DATE DEC 25 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 481.865

RL 147.14 LAL .00 LOL 93.00 VL 26.812 GAL -2.06 AZL 86.20 MCA 240.51 SMA 122.31 ECC .20604 INC 3.8015 VI 30.280
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.777 GAP 10.11 AZP 91.87 TAL 187.98 TAP 68.49 RCA 97.11 APO 147.50 V2 34.803
 RC 170.040 GL 25.94 GP -6.01 ZAL 102.54 ZAP 166.55 ETS 333.85 ZAE 130.38 ETE 185.26 ZAC 81.98 ETC 164.62 CLP-167.94

PLANETOCENTRIC CONIC

C3 16.492 VML 4.061 DLA 19.47 RAL 339.44 RAD 6567.7 VEL 11.742 PTH 2.07 VMP 6.728 DPA -14.36 RAP 350.42 ECC 1.2714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 36 2824.90 -28.26 83.64 204.44 91.90 1 49 41 2224.9 -27.70 75.02
 90.00 18 27 40 4157.81 -1.32 169.63 197.98 61.71 19 36 58 3557.8 -5.10 162.98
 100.00 2 36 7 2523.35 -29.70 61.38 204.36 93.55 3 18 10 1923.3 -28.89 52.67
 100.00 19 36 50 3934.59 -.06 152.52 197.27 60.11 20 42 25 3334.6 -4.04 145.99
 110.00 4 10 37 2227.70 -33.37 38.50 203.93 97.90 4 47 45 1627.7 -31.92 29.57
 110.00 20 18 50 3803.00 3.06 140.59 195.32 55.94 21 22 13 3203.0 -1.43 134.38

DIFFERENTIAL CORRECTIONS

TDE 1.5894 TRA -.7277 TC3-5.3312 BAU 1.1763
 RDE .2124 RRA -.0479 RC3 .2105 FAU .03575
 FDE .7367 FRA .3395 FC3-1.8765 BSP 15853
 BDE 1.6035 BRA .7292 BC3 5.3353 FSP -538

MID-COURSE EXECUTION ACCURACY

SGT 4996.3 SGR 352.4 SG3 165.3
 RRT .0056 RRF .0215 RTF .8762
 SGB 5008.7 R23 .0166 R13 .8762
 SG1 4996.3 SG2 352.4 THA .02

ORBIT DETERMINATION ACCURACY

ST 2269.8 SR 300.5 SS 611.3
 CRT .9946 CRS -.9747 CST -.9582
 LSA 2363.6 MSA 170.2 SSA 21.1
 EL1 2289.4 EL2 31.0 ALF 7.50

LAUNCH DATE DEC 25 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 487.534

RL 147.14 LAL .00 LOL 93.00 VL 26.756 GAL -1.61 AZL 86.27 MCA 243.68 SMA 121.97 ECC .20813 INC 3.7328 VI 30.280
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.742 GAP 10.33 AZP 91.66 TAL 186.14 TAP 69.82 RCA 96.59 APO 147.36 V2 34.808
 RC 172.148 GL 25.49 GP -5.71 ZAL 99.53 ZAP 167.39 ETS 333.53 ZAE 130.48 ETE 185.03 ZAC 84.18 ETC 165.11 CLP-168.74

PLANETOCENTRIC CONIC

C3 16.371 VML 4.046 DLA 20.33 RAL 342.60 RAD 6567.7 VEL 11.737 PTH 2.07 VMP 6.856 DPA -13.15 RAP 352.52 ECC 1.2694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 23 2859.58 -28.31 86.18 207.82 90.63 1 53 2 2259.6 -27.92 77.53
 90.00 18 50 7 4119.76 -2.55 167.50 201.32 61.79 19 58 47 3519.8 -6.30 160.83
 100.00 2 39 56 2554.67 -29.81 63.70 207.77 92.33 3 22 31 1954.7 -29.17 54.96
 100.00 19 58 14 3899.91 -1.24 150.62 200.59 60.13 21 3 14 3299.9 -5.20 144.07
 110.00 4 16 24 2252.90 -33.59 40.43 207.42 96.77 4 53 57 1652.9 -32.29 31.44
 110.00 20 38 16 3774.45 1.97 139.10 198.58 55.87 21 41 11 3174.4 -2.52 132.89

DIFFERENTIAL CORRECTIONS

TDE 1.6532 TRA -.5588 TC3-5.4433 BAU 1.1922
 RDE .2194 RRA -.0554 RC3 .2084 FAU .03405
 FDE .7253 FRA .3842 FC3-1.8004 BSP 16098
 BDE 1.6677 BRA .5615 BC3 5.4473 FSP -530

MID-COURSE EXECUTION ACCURACY

SGT 5059.2 SGR 363.3 SG3 162.0
 RRT .0300 RRF .0366 RTF .8786
 SGB 5072.3 R23 .0101 R13 .8786
 SG1 5059.2 SG2 363.2 THA .12

ORBIT DETERMINATION ACCURACY

ST 2358.4 SR 311.8 SS 617.6
 CRT .9970 CRS -.9676 CST -.9623
 LSA 2452.3 MSA 163.0 SSA 21.9
 EL1 2378.8 EL2 23.9 ALF 7.51

LAUNCH DATE DEC 25 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 493.187

RL 147.14 LAL .00 LOL 93.00 VL 26.702 GAL -1.14 AZL 86.33 MCA 246.84 SMA 121.64 ECC .21046 INC 3.6678 VI 30.280
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.708 GAP 10.56 AZP 91.44 TAL 184.30 TAP 71.14 RCA 96.04 APO 147.25 V2 34.814
 RC 174.239 GL 24.98 GP -5.45 ZAL 96.42 ZAP 168.20 ETS 333.05 ZAE 130.58 ETE 184.83 ZAC 86.41 ETC 165.56 CLP-169.52

PLANETOCENTRIC CONIC

C3 16.354 VHL 4.044 CLA 21.21 RAL 345.89 RAD 6567.7 VEL 11.736 PTH 2.07 VMP 6.991 OPA -11.95 RAP 354.64 ECC 1.2691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 5 2897.42 -28.31 88.95 211.42 89.24 1 56 22 2297.4 -28.11 80.29
 90.00 19 13 38 4081.45 -3.78 165.36 204.91 61.92 20 21 40 3481.4 -7.51 158.66
 100.00 2 43 50 2588.68 -29.88 66.23 211.42 91.01 3 26 58 1988.7 -29.42 57.46
 100.00 20 20 35 3865.42 -2.41 148.72 204.15 60.20 21 25 0 3265.4 -6.36 142.16
 110.00 4 22 26 2280.18 -33.79 42.54 211.15 95.54 5 0 26 1680.2 -32.65 33.48
 110.00 20 58 27 3746.69 .91 137.65 202.08 55.83 22 0 54 3146.7 -3.58 131.44

DIFFERENTIAL CORRECTIONS

TDE 1.7210 TRA -.3778 TC3-5.5139 BAU 1.2064
 RDE .2272 RRA -.0618 RC3 .2036 FAU .03228
 FDE .7149 FRA .4302 FC3-1.7088 BSP 16297
 BDE 1.7359 BRA .3828 BC3 5.5176 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 5115.0 SGR 373.6 SG3 158.5
 RRT .0546 RRF .0542 RTF .8803
 SGB 5128.6 R23 .0059 R13 .8803
 SGI 5115.0 SG2 373.1 THA .23

ORBIT DETERMINATION ACCURACY

ST 2448.0 SR 323.2 SS 623.7
 CRT .9974 CRS -.9600 CST -.9659
 LSA 2541.9 MSA 157.1 SSA 22.6
 EL1 2469.2 EL2 23.0 ALF 7.50

LAUNCH DATE DEC 25 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 498.822

RL 147.14 LAL .00 LOL 93.00 VL 26.648 GAL -.66 AZL 86.39 MCA 250.01 SMA 121.32 ECC .21304 INC 3.6057 VI 30.280
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.675 GAP 10.81 AZP 91.23 TAL 182.45 TAP 72.46 RCA 95.48 APO 147.17 V2 34.821
 RC 176.312 GL 24.41 GP -5.22 ZAL 93.21 ZAP 168.99 ETS 332.39 ZAE 130.69 ETE 184.66 ZAC 88.66 ETC 165.96 CLP-170.29

PLANETOCENTRIC CONIC

C3 16.448 VHL 4.056 CLA 22.07 RAL 349.29 RAD 6567.7 VEL 11.740 PTH 2.07 VMP 7.133 OPA -10.77 RAP 356.77 ECC 1.2707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 45 2938.15 -28.24 91.92 215.24 87.75 1 59 43 2338.2 -28.25 83.26
 90.00 19 38 7 4043.33 -5.00 163.22 208.75 62.09 20 45 31 3443.3 -8.69 156.49
 100.00 2 47 50 2625.08 -29.89 68.94 215.28 89.58 3 31 36 2025.1 -29.63 60.14
 100.00 20 43 43 3831.64 -3.55 146.86 207.95 60.50 21 47 34 3231.6 -7.48 140.28
 110.00 4 28 48 2309.23 -33.95 44.79 215.12 94.22 5 7 17 1709.2 -33.00 35.68
 110.00 21 19 15 3720.26 -.10 136.27 205.80 55.82 22 21 15 3120.3 -4.58 130.06

DIFFERENTIAL CORRECTIONS

TDE 1.7943 TRA -.1849 TC3-5.5378 BAU 1.2185
 RDE .2359 RRA -.0672 RC3 .1961 FAU .03052
 FDE .7062 FRA .4748 FC3-1.6066 BSP 16459
 BDE 1.8098 BRA .1968 BC3 5.5413 FSP -508

MID-COURSE EXECUTION ACCURACY

SGT 5165.5 SGR 383.2 SG3 155.0
 RRT .0806 RRF .0745 RTF .8827
 SGB 5179.6 R23 .0030 R13 .8827
 SGI 5165.5 SG2 382.0 THA .34

ORBIT DETERMINATION ACCURACY

ST 2539.9 SR 334.8 SS 629.8
 CRT .9960 CRS -.9522 CST -.9694
 LSA 2633.7 MSA 151.9 SSA 23.1
 EL1 2561.7 EL2 29.6 ALF 7.48

LAUNCH DATE DEC 25 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 504.438

RL 147.14 LAL .00 LOL 93.00 VL 26.595 GAL -.16 AZL 86.45 MCA 253.18 SMA 121.01 ECC .21590 INC 3.5461 VI 30.280
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.643 GAP 11.06 AZP 91.03 TAL 180.60 TAP 73.78 RCA 94.89 APO 147.14 V2 34.828
 RC 178.366 GL 23.76 GP -5.01 ZAL 89.94 ZAP 169.75 ETS 331.53 ZAE 130.80 ETE 184.51 ZAC 90.94 ETC 166.32 CLP-171.05

PLANETOCENTRIC CONIC

C3 16.663 VHL 4.082 CLA 22.90 RAL 352.80 RAD 6567.7 VEL 11.749 PTH 2.07 VMP 7.284 OPA -9.59 RAP 358.91 ECC 1.2742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 26 2981.46 -28.08 95.08 219.25 86.18 2 3 7 2381.5 -28.31 86.42
 90.00 20 3 24 4005.97 -6.18 161.12 212.83 62.31 21 10 10 3406.0 -9.84 154.35
 100.00 2 52 4 2663.46 -29.84 71.79 219.35 88.08 3 36 27 2063.5 -29.78 62.98
 100.00 21 7 28 3799.20 -4.64 145.08 211.98 60.44 22 10 47 3199.2 -8.54 138.46
 110.00 4 35 33 2339.68 -34.08 47.16 219.31 92.82 5 14 33 1739.7 -33.31 38.00
 110.00 21 40 28 3695.74 -1.04 134.99 209.74 55.83 22 42 4 3095.7 -5.51 128.77

DIFFERENTIAL CORRECTIONS

TDE 1.8587 TRA .0092 TC3-5.5425 BAU 1.2353
 RDE .2454 RRA -.0716 RC3 .1850 FAU .02922
 FDE .6907 FRA .5129 FC3-1.5181 BSP 16750
 BDE 1.8748 BRA .0722 BC3 5.5456 FSP -504

MID-COURSE EXECUTION ACCURACY

SGT 5223.1 SGR 391.6 SG3 151.8
 RRT .1044 RRF .0893 RTF .8879
 SGB 5237.7 R23 -.0040 R13 .8879
 SGI 5223.3 SG2 389.4 THA .45

ORBIT DETERMINATION ACCURACY

ST 2612.4 SR 346.0 SS 628.2
 CRT .9932 CRS -.9441 CST -.9723
 LSA 2704.9 MSA 147.5 SSA 23.3
 EL1 2634.9 EL2 39.8 ALF 7.50

LAUNCH DATE DEC 25 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 510.033

RL 147.14 LAL .00 LOL 93.00 VL 26.542 GAL .35 AZL 86.51 MCA 256.35 SMA 120.70 ECC .21905 INC 3.4884 VI 30.280
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.613 GAP 11.33 AZP 90.82 TAL 178.75 TAP 75.09 RCA 94.26 APO 147.15 V2 34.836
 RC 180.400 GL 23.05 GP -4.82 ZAL 86.61 ZAP 170.50 ETS 330.43 ZAE 130.91 ETE 184.58 ZAC 93.23 ETC 166.64 CLP-171.80

PLANETOCENTRIC CONIC

C3 17.009 VHL 4.124 CLA 23.69 RAL 356.39 RAD 6567.7 VEL 11.764 PTH 2.08 VMP 7.443 OPA -8.43 RAP 1.05 ECC 1.2799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 12 3027.01 -27.83 98.39 223.44 84.54 2 6 39 2427.0 -28.29 89.76
 90.00 20 29 19 3969.86 -7.32 159.07 217.13 62.57 21 35 29 3369.9 -10.94 152.26
 100.00 2 56 34 2703.43 -29.71 74.75 223.61 86.53 3 41 37 2103.4 -29.87 65.95
 100.00 21 31 38 3768.68 -5.66 143.39 216.23 60.60 22 34 27 3168.7 -9.54 136.74
 110.00 4 42 45 2371.18 -34.16 49.61 223.71 91.37 5 22 17 1771.2 -33.59 40.42
 110.00 22 1 56 3673.69 -1.88 133.84 213.88 55.86 23 3 10 3073.7 -6.34 127.60

DIFFERENTIAL CORRECTIONS

TDE 1.9378 TRA .2310 TC3-5.4623 BAU 1.2427
 RDE .2563 RRA -.0743 RC3 .1735 FAU .02718
 FDE .6856 FRA .5639 FC3-1.3835 BSP 16758
 BDE 1.9547 BRA .2427 BC3 5.4651 FSP -480

MID-COURSE EXECUTION ACCURACY

SGT 5260.2 SGR 400.0 SG3 148.2
 RRT .1304 RRF .1157 RTF .8874
 SGB 5275.4 R23 -.0007 R13 .8874
 SGI 5260.5 SG2 396.5 THA .57

ORBIT DETERMINATION ACCURACY

ST 2697.6 SR 357.7 SS 634.8
 CRT .9891 CRS -.9356 CST -.9749
 LSA 2790.3 MSA 146.7 SSA 23.3
 EL1 2720.7 EL2 52.1 ALF 7.47

LAUNCH DATE DEC 25 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 515.603

RL 147.14 LAL .00 LOL 93.00 VL 26.491 GAL .89 AZL 86.57 HCA 259.52 SMA 120.40 ECC .22252 INC 3.4323 V1 30.280
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.584 GAP 11.61 ATP 90.63 TAL 176.89 TAP 76.41 RCA 93.61 APO 147.20 V2 34.845
 RC 182.414 GL 22.28 GP -4.65 ZAL 83.25 ZAP 171.22 ETS 329.06 ZAE 131.02 ETE 184.27 ZAC 95.54 ETC 166.93 CLP-172.54

PLANETOCENTRIC CONIC

C3 17.499 VHL 4.183 DLA 24.43 RAL .06 RAD 6567.7 VEL 11.785 PTH 2.08 VHP 7.612 DPA -7.27 RAP 3.21 ECC 1.2880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 8 3074.30 -27.47 101.81 227.79 82.86 2 10 22 2474.3 -28.18 93.21
 90.00 20 55 36 3935.72 -8.39 157.13 221.64 62.86 22 1 12 3335.7 -11.96 150.28
 100.00 3 1 27 2744.43 -29.50 77.78 228.04 84.95 3 47 11 2144.4 -29.89 69.00
 100.00 21 55 58 3740.82 -6.59 141.84 220.66 60.78 22 58 19 3140.8 -10.44 135.16
 110.00 4 50 29 2403.27 -34.18 52.12 228.28 89.89 5 30 33 1803.3 -33.82 42.89
 110.00 22 23 25 3654.74 -2.60 132.85 218.20 55.90 23 24 20 3054.7 -7.06 126.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0049 TRA .4530 TC3-5.3596 BAU 1.2544 SGT 5302.1 SGR 407.0 SG3 144.7 ST 2757.0 SR 368.8 SS 631.9
 RDE .2681 RRA -.0762 RC3 .1590 FAU .02568 RRT .1547 RRF .1358 RTF .8914 CRT .9842 CRS -.9272 CST -.9772
 FDE .6722 FRA .6042 FC3-1.2703 BSP 17009 SGB 5317.7 R23 -.0029 R13 .8914 LSA 2848.6 MSA 145.8 SSA 23.1
 BDE 2.0228 BRA .4594 BC3 5.3620 FSP -477 SG1 5302.5 SG2 402.0 THA .68 EL1 2780.8 EL2 64.7 ALF 7.50

LAUNCH DATE DEC 25 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 521.147

RL 147.14 LAL .00 LOL 93.00 VL 26.440 GAL 1.45 AZL 86.62 HCA 262.69 SMA 120.11 ECC .22633 INC 3.3772 V1 30.280
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.555 GAP 11.92 ATP 90.43 TAL 175.04 TAP 77.73 RCA 92.93 APO 147.30 V2 34.854
 RC 184.407 GL 21.44 GP -4.49 ZAL 79.88 ZAP 171.92 ETS 327.35 ZAE 131.14 ETE 184.17 ZAC 97.86 ETC 167.18 CLP-173.28

PLANETOCENTRIC CONIC

C3 18.149 VHL 4.260 DLA 25.10 RAL 3.76 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 7.792 DPA -6.13 RAP 5.37 ECC 1.2987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 19 3122.81 -27.02 105.28 232.27 81.17 2 14 22 2522.8 -27.96 96.74
 90.00 21 22 0 3904.19 -9.36 155.33 226.32 63.15 22 27 4 3304.2 -12.89 148.43
 100.00 3 6 49 2785.89 -29.21 80.83 232.60 83.37 3 53 15 2185.9 -29.82 72.08
 100.00 22 20 10 3716.35 -7.40 140.48 225.27 60.96 23 22 7 3116.3 -11.22 133.77
 110.00 4 58 48 2435.53 -34.15 54.64 233.02 88.39 5 39 24 1835.5 -34.00 45.40
 110.00 22 44 41 3639.46 -3.18 132.05 222.67 55.95 23 45 20 3039.5 -7.63 125.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0756 TRA .6932 TC3-5.2019 BAU 1.2627 SGT 5338.2 SGR 413.3 SG3 141.4 ST 2811.6 SR 379.7 SS 629.8
 RDE .2811 RRA -.0764 RC3 .1434 FAU .02409 RRT .1800 RRF .1587 RTF .8946 CRT .9785 CRS -.9187 CST -.9792
 FDE .6612 FRA .6485 FC3-1.1490 BSP 17107 SGB 5354.2 R23 -.0033 R13 .8946 LSA 2902.4 MSA 147.1 SSA 22.5
 BDE 2.0945 BRA .6974 BC3 5.2038 FSP -466 SG1 5338.7 SG2 406.5 THA .80 EL1 2836.1 EL2 77.7 ALF 7.53

LAUNCH DATE DEC 25 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 526.659

RL 147.14 LAL .00 LOL 93.00 VL 26.389 GAL 2.03 AZL 86.68 HCA 265.86 SMA 119.82 ECC .23052 INC 3.3229 V1 30.280
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.528 GAP 12.23 ATP 90.24 TAL 173.19 TAP 79.05 RCA 92.20 APO 147.45 V2 34.863
 RC 186.379 GL 20.54 GP -4.35 ZAL 76.52 ZAP 172.60 ETS 325.22 ZAE 131.25 ETE 184.09 ZAC 100.19 ETC 167.39 CLP-174.01

PLANETOCENTRIC CONIC

C3 18.978 VHL 4.356 DLA 25.69 RAL 7.49 RAD 6567.8 VEL 11.847 PTH 2.10 VHP 7.983 DPA -4.99 RAP 7.53 ECC 1.3123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 54 3171.82 -26.46 108.76 236.85 79.52 2 18 46 2571.8 -27.63 100.29
 90.00 21 48 9 3876.13 -10.22 153.71 231.14 63.45 22 52 45 3276.1 -13.71 146.77
 100.00 3 12 49 2827.12 -28.85 83.84 237.29 81.82 3 59 56 2227.1 -29.68 75.14
 100.00 22 43 55 3696.06 -8.07 139.34 230.00 61.12 23 45 31 3096.1 -11.86 132.61
 110.00 5 7 45 2467.52 -34.06 57.13 237.89 86.92 5 48 52 1867.5 -34.11 47.89
 110.00 23 5 28 3628.43 -3.60 131.48 227.25 55.98 24 5 57 3028.4 -8.05 125.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1394 TRA .9424 TC3-5.0092 BAU 1.2713 SGT 5371.9 SGR 418.6 SG3 138.0 ST 2846.9 SR 389.9 SS 624.5
 RDE .2954 RRA -.0753 RC3 .1268 FAU .02260 RRT .2045 RRF .1815 RTF .8982 CRT .9721 CRS -.9101 CST -.9809
 FDE .6486 FRA .6910 FC3-1.0308 BSP 17263 SGB 5388.2 R23 -.0033 R13 .8982 LSA 2936.7 MSA 149.7 SSA 21.8
 BDE 2.1597 BRA .9454 BC3 5.0108 FSP -457 SG1 5372.6 SG2 409.7 THA .92 EL1 2872.1 EL2 90.6 ALF 7.59

LAUNCH DATE DEC 25 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 532.137

RL 147.14 LAL .00 LOL 93.00 VL 26.340 GAL 2.64 AZL 86.73 HCA 269.04 SMA 119.54 ECC .23512 INC 3.2690 V1 30.280
 RP 108.67 LAP -3.27 LOP 36.502 GAP 12.57 ATP 90.05 TAL 171.35 TAP 80.39 RCA 91.44 APO 147.65 V2 34.873
 RC 188.330 GL 19.60 GP -4.22 ZAL 73.19 ZAP 173.26 ETS 322.57 ZAE 131.36 ETE 184.02 ZAC 102.53 ETC 167.57 CLP-174.74

PLANETOCENTRIC CONIC

C3 20.006 VHL 4.473 DLA 26.19 RAL 11.21 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 8.188 DPA -3.86 RAP 9.71 ECC 1.3292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 3 3220.50 -25.81 112.18 241.51 77.92 2 23 43 2620.5 -27.21 103.79
 90.00 22 13 42 3852.43 -10.94 152.34 236.08 63.72 23 17 54 3252.4 -14.38 145.36
 100.00 3 19 34 2867.39 -28.43 86.76 242.07 80.34 4 7 22 2267.4 -29.47 78.11
 100.00 23 6 51 3680.77 -8.57 138.48 234.83 61.25 24 8 12 3080.8 -12.35 131.73
 110.00 5 17 22 2498.83 -33.92 59.57 242.87 85.49 5 59 1 1898.8 -34.17 50.33
 110.00 23 25 33 3622.10 -3.85 131.14 231.93 56.01 24 25 55 3022.1 -8.28 124.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1988 TRA 1.2050 TC3-4.7794 BAU 1.2786 SGT 5401.1 SGR 423.0 SG3 134.7 ST 2866.4 SR 399.4 SS 617.1
 RDE .3108 RRA -.0726 RC3 .1099 FAU .02117 RRT .2288 RRF .2044 RTF .9024 CRT .9653 CRS -.9014 CST -.9824
 FDE .6350 FRA .7333 FC3 -.9163 BSP 17406 SGB 5417.6 R23 -.0034 R13 .9024 LSA 2955.1 MSA 153.6 SSA 21.0
 BDE 2.2207 BRA 1.2071 BC3 4.7806 FSP -448 SG1 5401.9 SG2 411.7 THA 1.03 EL1 2892.3 EL2 103.4 ALF 7.67

LAUNCH DATE DEC 25 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 537.575

RL 147.14 LAL .00 LOL 93.00 VL 26.291 GAL 3.28 AZL 86.78 MCA 272.22 SMA 119.27 ECC .24017 INC 3.2151 V1 30.280
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.477 GAP 12.94 AZP 89.88 TAL 169.51 TAP 81.73 RCA 90.62 APO 147.91 V2 34.884
 RC 190.259 GL 18.62 GP -4.11 ZAL 69.91 ZAP 173.89 ETS 319.27 ZAE 131.48 ETE 183.95 ZAC 104.88 ETC 167.71 CLP-175.47

PLANETOCENTRIC CONIC

C3 21.258 VHL 4.611 DLA 26.60 RAL 14.90 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 8.408 DPA -2.74 RAP 11.89 ECC 1.3499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 0 3267.79 -25.09 115.46 246.22 76.43 2 29 28 2667.8 -26.71 107.16
 90.00 22 38 10 3834.21 -11.49 151.28 241.08 63.94 23 42 5 3234.2 -14.90 144.27
 100.00 3 27 14 2905.97 -27.95 89.53 246.92 78.96 4 15 40 2306.0 -29.19 80.95
 100.00 23 28 37 3671.26 -8.88 137.95 239.71 61.34 24 29 49 3071.3 -12.64 131.18
 110.00 5 27 40 2529.12 -33.73 61.91 247.92 84.11 6 9 49 1929.1 -34.18 52.70
 110.00 23 44 40 3620.88 -3.89 131.08 236.65 56.01 24 45 1 3020.9 -8.33 124.80

DIFFERENTIAL CORRECTIONS

TDE 2.2536 TRA 1.4822 TC3-4.5170 BAU 1.2840
 RDE .3274 RRA -.0683 RC3 .0933 FAU .01975
 FDE .6214 FRA .7765 FC3 -.8045 BSP 17539
 BDE 2.2773 BRA 1.4837 BC3 4.5180 FSP -439

MID-COURSE EXECUTION ACCURACY

SGT 5425.5 SGR 426.5 SG3 131.4
 RRT .2530 RRF .2280 RTF .9063
 SGB 5442.2 R23 -.0027 R13 .9063
 SG1 5426.5 SG2 412.6 THA 1.15

ORBIT DETERMINATION ACCURACY

ST 2870.7 SR 407.8 SS 608.4
 CRT .9579 CRS -.8925 CST -.9837
 LSA 2958.3 MSA 158.7 SSA 20.0
 EL1 2897.2 EL2 116.1 ALF 7.76

LAUNCH DATE DEC 25 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 542.968

RL 147.14 LAL .00 LOL 93.00 VL 26.244 GAL 3.94 AZL 86.84 MCA 275.40 SMA 119.00 ECC .24571 INC 3.1610 V1 30.280
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.453 GAP 13.33 AZP 89.70 TAL 167.69 TAP 83.08 RCA 89.76 APO 148.24 V2 34.895
 RC 192.167 GL 17.61 GP -4.00 ZAL 66.71 ZAP 174.48 ETS 315.12 ZAE 131.58 ETE 183.90 ZAC 107.23 ETC 167.82 CLP-176.20

PLANETOCENTRIC CONIC

C3 22.765 VHL 4.771 DLA 26.92 RAL 18.53 RAD 6567.9 VEL 12.006 PTH 2.14 VHP 8.644 DPA -1.63 RAP 14.07 ECC 1.3747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 4 3312.41 -24.34 118.51 250.99 75.07 2 36 17 2712.4 -26.16 110.31
 90.00 23 1 4 3822.72 -11.83 150.61 246.10 64.08 24 4 47 3222.7 -15.22 143.58
 100.00 3 35 56 2942.12 -27.46 92.10 251.83 77.69 4 24 58 2342.1 -28.88 83.59
 100.00 23 48 53 3668.25 -8.98 137.78 244.61 61.37 24 50 2 3068.2 -12.74 131.00
 110.00 5 38 39 2558.13 -33.51 64.15 253.03 82.81 6 21 17 1958.1 -34.14 54.96
 110.00 0 6 36 3624.99 -3.74 131.30 241.40 56.00 1 7 1 3025.0 -8.17 125.02

DIFFERENTIAL CORRECTIONS

TDE 2.3063 TRA 1.7781 TC3-4.2241 BAU 1.2858
 RDE .3450 RRA -.0622 RC3 .0775 FAU .01832
 FDE .6086 FRA .8222 FC3 -.6969 BSP 17580
 BDE 2.3319 BRA 1.7792 BC3 4.2249 FSP -427

MID-COURSE EXECUTION ACCURACY

SGT 5445.4 SGR 429.2 SG3 128.2
 RRT .2776 RRF .2526 RTF .9103
 SGB 5462.3 R23 -.0016 R13 .9103
 SG1 5446.8 SG2 412.2 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 2863.7 SR 415.1 SS 599.7
 CRT .9499 CRS -.8832 CST -.9850
 LSA 2950.5 MSA 164.8 SSA 19.1
 EL1 2890.8 EL2 128.5 ALF 7.86

LAUNCH DATE DEC 25 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 548.307

RL 147.14 LAL .00 LOL 93.00 VL 26.196 GAL 4.65 AZL 86.89 MCA 278.58 SMA 118.74 ECC .25179 INC 3.1063 V1 30.280
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.430 GAP 13.75 AZP 89.54 TAL 165.87 TAP 84.45 RCA 88.84 APO 148.63 V2 34.906
 RC 194.054 GL 16.59 GP -3.90 ZAL 63.60 ZAP 175.03 ETS 309.88 ZAE 131.69 ETE 183.85 ZAC 109.58 ETC 167.90 CLP-176.93

PLANETOCENTRIC CONIC

C3 24.562 VHL 4.956 DLA 27.15 RAL 22.08 RAD 6568.0 VEL 12.081 PTH 2.16 VHP 8.898 DPA -.54 RAP 16.26 ECC 1.4042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 38 3352.88 -23.61 121.25 255.79 73.89 2 44 31 2752.9 -25.59 113.14
 90.00 23 21 49 3819.41 -11.93 150.42 251.09 64.13 24 25 29 3219.4 -15.31 143.38
 100.00 3 45 47 2975.23 -26.95 94.43 256.76 76.56 4 35 22 2375.2 -28.53 85.99
 100.00 0 11 17 3672.29 -8.85 138.01 249.48 61.33 1 12 30 3072.3 -12.61 131.24
 110.00 5 50 16 2585.71 -33.25 66.26 258.17 81.58 6 33 21 1985.7 -34.06 57.11
 110.00 0 23 18 3634.58 -3.37 131.80 246.13 55.96 1 23 53 3034.6 -7.82 125.53

DIFFERENTIAL CORRECTIONS

TDE 2.3493 TRA 2.0862 TC3-3.9212 BAU 1.2878
 RDE .3635 RRA -.0544 RC3 .0626 FAU .01702
 FDE .5942 FRA .8671 FC3 -.5998 BSP 17704
 BDE 2.3773 BRA 2.0869 BC3 3.9217 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5461.6 SGR 430.7 SG3 125.0
 RRT .3013 RRF .2762 RTF .9147
 SGB 5478.6 R23 -.0010 R13 .9147
 SG1 5463.2 SG2 410.5 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 2837.5 SR 420.8 SS 588.7
 CRT .9413 CRS -.8736 CST -.9861
 LSA 2923.3 MSA 171.5 SSA 18.1
 EL1 2865.1 EL2 140.7 ALF 7.97

LAUNCH DATE DEC 25 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 553.585

RL 147.14 LAL .00 LOL 93.00 VL 26.150 GAL 5.39 AZL 86.95 MCA 281.76 SMA 118.48 ECC .25848 INC 3.0507 V1 30.280
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.408 GAP 14.20 AZP 89.38 TAL 164.08 TAP 85.84 RCA 87.85 APO 149.10 V2 34.918
 RC 195.918 GL 15.56 GP -3.81 ZAL 60.59 ZAP 175.53 ETS 303.27 ZAE 131.78 ETE 183.81 ZAC 111.93 ETC 167.94 CLP-177.66

PLANETOCENTRIC CONIC

C3 26.692 VHL 5.166 DLA 27.28 RAL 25.53 RAD 6568.1 VEL 12.168 PTH 2.18 VHP 9.173 DPA .54 RAP 18.45 ECC 1.4393
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 2 3387.79 -22.93 123.58 260.63 72.91 2 54 30 2787.8 -25.05 115.55
 90.00 23 39 55 3825.59 -11.74 150.78 256.01 64.05 24 43 40 3225.6 -15.14 143.75
 100.00 3 56 48 3004.90 -26.47 96.50 261.72 75.57 4 46 53 2404.9 -28.19 88.13
 100.00 0 27 45 3683.70 -8.48 138.65 254.30 61.23 1 29 9 3083.7 -12.25 131.90
 110.00 6 2 26 2611.79 -32.98 68.25 263.32 80.44 6 45 58 2011.8 -33.94 59.14
 110.00 0 38 37 3649.58 -2.80 132.58 250.81 55.92 1 39 27 3049.6 -7.25 126.33

DIFFERENTIAL CORRECTIONS

TDE 2.3872 TRA 2.4118 TC3-3.6064 BAU 1.2871
 RDE .3828 RRA -.0448 RC3 .0490 FAU .01573
 FDE .5799 FRA .9135 FC3 -.5102 BSP 17798
 BDE 2.4177 BRA 2.4123 BC3 3.6067 FSP -410

MID-COURSE EXECUTION ACCURACY

SGT 5472.9 SGR 431.2 SG3 121.9
 RRT .3249 RRF .3000 RTF .9191
 SGB 5489.9 R23 -.0003 R13 .9191
 SG1 5474.7 SG2 407.7 THA 1.47

ORBIT DETERMINATION ACCURACY

ST 2799.4 SR 424.9 SS 577.4
 CRT .9321 CRS -.8634 CST -.9871
 LSA 2884.1 MSA 178.7 SSA 17.2
 EL1 2827.3 EL2 152.4 ALF 8.08

LAUNCH DATE DEC 25 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 26.105 GAL 6.17 AZL 87.01 MCA 284.95 SMA 118.23 ECC .26583 INC 2.9936 V1 30.280
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.387 GAP 14.69 AZP 89.23 TAL 162.31 TAP 87.26 RCA 86.80 APO 149.66 V2 34.930
 RC 197.761 GL 14.52 GP -3.73 ZAL 57.69 ZAP 175.94 ETS 295.00 ZAE 131.87 ETE 183.78 ZAC 114.28 ETC 167.94 CLP-178.41

PLANETOCENTRIC CONIC
 C3 29.207 VHL 5.404 DLA 27.34 RAL 28.85 RAD 6568.2 VEL 12.271 PTH 2.21 VMP 9.470 DPA 1.61 RAP 20.65 ECC 1.4807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 30 3416.17 -22.35 125.46 265.50 72.14 3 6 26 2816.2 -24.58 117.50
 90.00 23 54 58 3842.09 -11.25 151.74 260.82 63.84 24 59 0 3242.1 -14.68 144.74
 100.00 4 8 58 3031.02 -26.01 98.31 266.69 74.73 4 59 29 2431.0 -27.85 90.00
 100.00 0 42 7 3702.47 -7.86 139.70 259.03 61.07 1 43 49 3102.5 -11.66 132.97
 110.00 6 15 4 2636.44 -32.68 70.11 268.45 79.37 6 59 0 2036.4 -33.80 61.05
 110.00 0 52 30 3669.82 -2.03 133.64 255.44 55.87 1 53 40 3069.8 -6.49 127.40

DIFFERENTIAL CORRECTIONS
 TOE 2.4200 TRA 2.7565 TC3-3.2871 BAU 1.2836 SGT 5479.8 SGR 430.7 SG3 118.9 ST 2751.0 SR 427.2 SS 566.3
 RDE .4028 RRA -.0334 RC3 .0371 FAU .01449 RRT .3484 RRF .3240 RTF .9238 CRT .9221 CRS -.8529 CST -.9881
 FDE .5661 FRA .9616 FC3 -.4294 BSP 17890 SGB 5496.7 R23 .0005 R13 .9238 LSA 2834.8 MSA 186.0 SSA 16.3
 BDE 2.4533 BRA 2.7567 BC3 3.2873 FSP -402 SG1 5481.9 SG2 403.6 THA 1.58 EL1 2779.1 EL2 163.6 ALF 8.18

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 26.060 GAL 7.01 AZL 87.07 MCA 288.14 SMA 117.98 ECC .27392 INC 2.9348 V1 30.280
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.367 GAP 15.22 AZP 89.09 TAL 160.56 TAP 88.70 RCA 85.66 APO 150.30 V2 34.942
 RC 199.580 GL 13.50 GP -3.66 ZAL 54.91 ZAP 176.25 ETS 284.93 ZAE 131.94 ETE 183.74 ZAC 116.62 ETC 167.90 CLP-179.16

PLANETOCENTRIC CONIC
 C3 32.170 VHL 5.672 DLA 27.32 RAL 32.04 RAD 6568.3 VEL 12.391 PTH 2.24 VMP 9.794 DPA 2.66 RAP 22.84 ECC 1.5294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 57 3437.96 -21.89 126.89 270.39 71.57 3 20 15 2838.0 -24.20 118.98
 90.00 0 10 52 3868.80 -10.44 153.29 265.48 63.53 1 15 21 3268.8 -13.92 146.33
 100.00 4 22 8 3053.76 -25.59 99.87 271.65 74.01 5 13 2 2453.8 -27.54 91.61
 100.00 0 54 22 3728.24 -7.01 141.14 263.65 60.87 1 56 31 3128.2 -10.84 134.45
 110.00 6 28 2 2659.78 -32.37 71.86 273.55 78.38 7 12 22 2059.8 -33.64 62.86
 110.00 1 4 58 3694.98 -1.06 134.95 259.98 55.83 2 6 33 3095.0 -5.54 128.73

DIFFERENTIAL CORRECTIONS
 TOE 2.4524 TRA 3.1253 TC3-2.9646 BAU 1.2751 SGT 5483.9 SGR 429.4 SG3 116.0 ST 2698.9 SR 427.8 SS 556.8
 RDE .4234 RRA -.0198 RC3 .0269 FAU .01322 RRT .3723 RRF .3488 RTF .9284 CRT .9115 CRS -.8423 CST -.9891
 FDE .5542 FRA 1.0134 FC3 -.3557 BSP 17875 SGB 5500.7 R23 .0013 R13 .9284 LSA 2781.9 MSA 193.3 SSA 15.4
 BDE 2.4887 BRA 3.1254 BC3 2.9647 FSP -391 SG1 5486.2 SG2 398.3 THA 1.68 EL1 2727.0 EL2 174.1 ALF 8.25

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 26.016 GAL 7.89 AZL 87.13 MCA 291.33 SMA 117.74 ECC .28285 INC 2.8738 V1 30.280
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.347 GAP 15.81 AZP 88.95 TAL 158.85 TAP 90.17 RCA 84.44 APO 151.05 V2 34.955
 RC 201.376 GL 12.50 GP -3.59 ZAL 52.27 ZAP 176.41 ETS 273.30 ZAE 132.00 ETE 183.71 ZAC 118.95 ETC 167.82 CLP-179.93

PLANETOCENTRIC CONIC
 C3 35.656 VHL 5.971 DLA 27.22 RAL 35.08 RAD 6568.4 VEL 12.531 PTH 2.27 VMP 10.148 DPA 3.68 RAP 25.04 ECC 1.5868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 4 3454.02 -21.54 127.94 275.30 71.16 3 35 38 2854.0 -23.91 120.07
 90.00 0 20 0 3904.64 -9.35 155.35 269.98 63.15 1 25 5 3304.6 -12.88 148.45
 100.00 4 36 6 3073.52 -25.22 101.22 276.58 73.39 5 27 20 2473.5 -27.25 93.01
 100.00 1 4 39 3760.38 -5.94 142.93 268.15 60.65 2 7 20 3160.4 -9.81 136.27
 110.00 6 41 13 2682.00 -32.06 73.52 278.60 77.44 7 25 55 2082.0 -33.45 64.56
 110.00 1 16 2 3724.66 .07 136.50 264.42 55.82 2 18 6 3124.7 -4.41 130.29

DIFFERENTIAL CORRECTIONS
 TOE 2.4774 TRA 3.5116 TC3-2.6543 BAU 1.2653 SGT 5482.5 SGR 426.9 SG3 113.2 ST 2636.7 SR 426.3 SS 547.0
 RDE .4443 RRA -.0045 RC3 .0183 FAU .01204 RRT .3956 RRF .3725 RTF .9333 CRT .9000 CRS -.8309 CST -.9900
 FDE .5415 FRA 1.0662 FC3 -.2924 BSP 17928 SGB 5499.1 R23 .0016 R13 .9333 LSA 2719.0 MSA 200.3 SSA 14.7
 BDE 2.5170 BRA 3.5116 BC3 2.6543 FSP -382 SG1 5485.1 SG2 391.9 THA 1.77 EL1 2664.6 EL2 183.8 ALF 8.32

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 25.973 GAL 8.84 AZL 87.19 MCA 294.52 SMA 117.51 ECC .29272 INC 2.8101 V1 30.280
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.329 GAP 16.44 AZP 88.83 TAL 157.17 TAP 91.69 RCA 83.11 APO 151.91 V2 34.968
 RC 203.147 GL 11.51 GP -3.53 ZAL 49.76 ZAP 176.40 ETS 260.87 ZAE 132.04 ETE 183.69 ZAC 121.27 ETC 167.70 CLP 179.29

PLANETOCENTRIC CONIC
 C3 39.759 VHL 6.305 DLA 27.07 RAL 37.96 RAD 6568.5 VEL 12.694 PTH 2.31 VMP 10.535 DPA 4.69 RAP 27.23 ECC 1.6543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 19 3465.82 -21.27 128.70 280.18 70.86 3 52 5 2865.8 -23.69 120.87
 90.00 0 26 45 3947.89 -8.01 157.82 274.33 62.75 1 32 33 3347.9 -11.60 150.99
 100.00 4 50 38 3090.86 -24.87 102.39 281.47 72.86 5 42 9 2490.9 -26.98 94.23
 100.00 1 13 8 3798.08 -4.68 145.01 272.51 60.44 2 16 26 3198.1 -8.58 138.40
 110.00 6 54 29 2703.30 -31.73 75.09 283.59 76.56 7 39 32 2103.3 -33.25 66.19
 110.00 1 25 46 3758.40 1.36 138.26 268.76 55.84 2 28 24 3158.4 -3.13 132.06

DIFFERENTIAL CORRECTIONS
 TOE 2.4982 TRA 3.9242 TC3-2.3527 BAU 1.2506 SGT 5476.4 SGR 423.3 SG3 110.4 ST 2569.9 SR 422.9 SS 538.5
 RDE .4653 RRA .0129 RC3 .0114 FAU .01089 RRT .4184 RRF .3963 RTF .9384 CRT .8876 CRS -.8193 CST -.9910
 FDE .5299 FRA 1.1221 FC3 -.2372 BSP 17995 SGB 5492.8 R23 .0019 R13 .9384 LSA 2651.4 MSA 206.8 SSA 13.9
 BDE 2.5412 BRA 3.9243 BC3 2.3527 FSP -374 SG1 5479.3 SG2 384.2 THA 1.86 EL1 2597.3 EL2 192.7 ALF 8.36

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 25 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 578.608

RL 147.14 LAL .00 LOL 93.00 VL 25.931 GAL 9.86 AZL 87.26 HCA 297.71 SMA 117.28 ECC .30365 INC 2.7429 VI 30.280
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.311 GAP 17.14 AZP 88.72 TAL 155.54 TAP 93.25 RCA 81.67 APO 152.89 V2 34.981
 RC 204.893 GL 10.55 GP -3.47 ZAL 47.40 ZAP 176.22 ETS 248.80 ZAE 132.06 ETE 183.66 ZAC 123.56 ETC 167.53 CLP 178.49

PLANETOCENTRIC CONIC

C3 44.594 VHL 6.678 CLA 26.85 RAL 40.68 RAD 6568.7 VEL 12.883 PTH 2.35 VMP 10.961 DPA 5.67 RAP 29.42 ECC 1.7339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 9 3474.85 -21.07 129.29 285.03 70.63 4 9 4 2874.9 -23.52 121.47
 90.00 0 31 36 3996.74 -6.48 160.60 278.52 62.37 1 38 13 3396.7 -10.13 153.82
 100.00 5 5 27 3106.39 -24.56 103.44 286.29 72.40 5 57 13 2506.4 -26.73 99.32
 100.00 1 20 0 3840.43 -3.25 147.35 276.75 60.27 2 24 0 3240.4 -7.19 140.77
 110.00 7 7 42 2723.88 -31.40 76.60 288.50 75.73 7 53 5 2123.9 -33.04 67.76
 110.00 1 34 14 3795.71 2.79 140.21 272.99 55.92 2 37 30 3195.7 -1.71 134.00

DIFFERENTIAL CORRECTIONS

TDE 2.5184 TRA 4.3636 TC3-2.0650 BAU 1.2311
 RDE .4866 RRA .0323 RC3 .0060 FAU .00975
 FDE .5196 FRA 1.1819 FC3 -.1894 BSP 18032
 BOE 2.5649 BRA 4.3637 BC3 2.0650 FSP -366

MID-COURSE EXECUTION ACCURACY

SGT 5466.8 SGR 418.7 SG3 107.7
 RRT .4413 RRF .4202 RTF .9434
 SGB 5482.8 R23 .0021 R13 .9434
 SG1 5469.9 SG2 375.5 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 2502.1 SR 417.6 SS 531.6
 CRT .8745 CRS -.8076 CST -.9920
 LSA 2583.1 MSA 212.4 SSA 13.2
 EL1 2528.8 EL2 200.4 ALF 8.36

LAUNCH DATE DEC 25 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 583.203

RL 147.14 LAL .00 LOL 93.00 VL 25.890 GAL 10.95 AZL 87.33 HCA 300.91 SMA 117.06 ECC .31578 INC 2.6717 VI 30.280
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.295 GAP 17.92 AZP 88.63 TAL 153.96 TAP 94.87 RCA 80.10 APO 154.03 V2 34.994
 RC 206.614 GL 9.62 GP -3.42 ZAL 45.18 ZAP 175.86 ETS 238.03 ZAE 132.05 ETE 183.63 ZAC 125.84 ETC 167.32 CLP 177.66

PLANETOCENTRIC CONIC

C3 50.308 VHL 7.093 CLA 26.59 RAL 43.23 RAD 6568.9 VEL 13.102 PTH 2.39 VMP 11.431 DPA 6.63 RAP 31.60 ECC 1.8279
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 8 3482.33 -20.90 129.77 289.80 70.45 4 26 10 2882.3 -23.38 121.97
 90.00 0 34 58 4049.63 -4.80 163.58 282.56 62.06 1 42 28 3449.6 -8.50 156.85
 100.00 5 20 20 3120.64 -24.26 104.39 291.03 71.98 6 12 20 2520.6 -26.50 96.31
 100.00 1 25 28 3886.56 -1.69 149.88 280.85 60.15 2 30 14 3286.6 -5.65 143.33
 110.00 7 20 44 2743.90 -31.05 78.06 293.31 74.93 8 6 28 2143.9 -32.80 69.28
 110.00 1 41 33 3836.06 4.32 142.32 277.11 56.06 2 45 29 3236.1 -1.16 136.11

DIFFERENTIAL CORRECTIONS

TDE 2.5416 TRA 4.8365 TC3-1.7900 BAU 1.2039
 RDE .5080 RRA .0539 RC3 .0022 FAU .00858
 FDE .5117 FRA 1.2471 FC3 -.1477 BSP 17975
 BOE 2.5919 BRA 4.8368 BC3 1.7900 FSP -356

MID-COURSE EXECUTION ACCURACY

SGT 5454.6 SGR 413.2 SG3 105.2
 RRT .4645 RRF .4445 RTF .9486
 SGB 5470.2 R23 .0022 R13 .9486
 SG1 5458.0 SG2 365.7 THA 2.02

ORBIT DETERMINATION ACCURACY

ST 2437.1 SR 410.6 SS 527.4
 CRT .8610 CRS -.7961 CST -.9930
 LSA 2517.7 MSA 216.9 SSA 12.5
 EL1 2462.8 EL2 206.6 ALF 8.31

LAUNCH DATE DEC 25 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 587.591

RL 147.14 LAL .00 LOL 93.00 VL 25.849 GAL 12.14 AZL 87.40 HCA 304.11 SMA 116.85 ECC .32929 INC 2.5954 VI 30.280
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.279 GAP 18.77 AZP 88.54 TAL 152.45 TAP 96.56 RCA 78.37 APO 155.32 V2 35.007
 RC 208.309 GL 8.71 GP -3.37 ZAL 43.10 ZAP 175.36 ETS 228.99 ZAE 132.01 ETE 183.60 ZAC 128.08 ETC 167.05 CLP 176.81

PLANETOCENTRIC CONIC

C3 57.081 VHL 7.555 CLA 26.29 RAL 45.61 RAD 6569.0 VEL 13.358 PTH 2.44 VMP 11.952 DPA 7.55 RAP 33.76 ECC 1.9394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 55 3489.10 -20.75 130.21 294.47 70.29 4 43 4 2889.1 -23.25 122.43
 90.00 0 37 10 4105.35 -3.01 166.70 286.47 61.83 1 45 35 3505.3 -6.76 160.02
 100.00 5 35 3 3134.01 -23.98 105.29 295.68 71.59 6 27 17 2534.0 -26.27 97.24
 100.00 1 29 42 3935.67 -.03 152.58 284.81 60.11 2 35 18 3335.7 -4.00 146.05
 110.00 7 33 29 2763.47 -30.70 79.48 298.00 74.16 8 19 32 2163.5 -32.56 70.75
 110.00 1 47 46 3878.97 5.95 144.58 281.10 56.28 2 52 25 3279.0 1.48 138.35

DIFFERENTIAL CORRECTIONS

TDE 2.5616 TRA 5.3395 TC3-1.5353 BAU 1.1716
 RDE .5291 RRA .0773 RC3 -.0004 FAU .00745
 FDE .5041 FRA 1.3161 FC3 -.1130 BSP 18008
 BOE 2.6157 BRA 5.3400 BC3 1.5353 FSP -348

MID-COURSE EXECUTION ACCURACY

SGT 5436.3 SGR 406.6 SG3 102.8
 RRT .4870 RRF .4681 RTF .9537
 SGB 5451.5 R23 .0019 R13 .9537
 SG1 5440.0 SG2 354.9 THA 2.09

ORBIT DETERMINATION ACCURACY

ST 2359.5 SR 401.7 SS 524.3
 CRT .8468 CRS -.7843 CST -.9939
 LSA 2449.9 MSA 220.3 SSA 11.9
 EL1 2394.0 EL2 211.5 ALF 8.23

LAUNCH DATE DEC 25 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 591.727

RL 147.14 LAL .00 LOL 93.00 VL 25.810 GAL 13.43 AZL 87.49 HCA 307.31 SMA 116.64 ECC .34438 INC 2.5131 VI 30.280
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.264 GAP 19.73 AZP 88.48 TAL 151.02 TAP 98.34 RCA 76.47 APO 156.81 V2 35.020
 RC 209.976 GL 7.84 GP -3.32 ZAL 41.18 ZAP 174.73 ETS 221.64 ZAE 131.93 ETE 183.58 ZAC 130.28 ETC 166.73 CLP 175.91

PLANETOCENTRIC CONIC

C3 65.145 VHL 8.071 CLA 25.95 RAL 47.81 RAD 6569.2 VEL 13.656 PTH 2.50 VMP 12.533 DPA 8.45 RAP 35.91 ECC 2.0721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 16 3495.65 -20.60 130.63 299.02 70.13 4 59 32 2895.7 -23.12 122.86
 90.00 0 38 22 4162.95 -1.16 169.91 290.23 61.70 1 47 45 3563.0 -4.93 163.27
 100.00 5 49 28 3146.80 -23.70 106.13 300.19 71.23 6 41 55 2346.8 -26.04 98.12
 100.00 1 32 51 3987.04 1.72 155.40 288.63 60.15 2 39 18 3387.0 -2.27 148.87
 110.00 7 45 52 2782.64 -30.33 80.85 302.56 73.42 8 32 14 2182.6 -32.30 72.19
 110.00 1 52 57 3923.96 7.64 146.96 284.97 56.58 2 58 21 3324.0 3.20 140.70

DIFFERENTIAL CORRECTIONS

TDE 2.5848 TRA 5.8815 TC3-1.2978 BAU 1.1303
 RDE .5501 RRA .1029 RC3 -.0019 FAU .00629
 FDE .4986 FRA 1.3914 FC3 -.0836 BSP 18009
 BOE 2.6427 BRA 5.8824 BC3 1.2978 FSP -341

MID-COURSE EXECUTION ACCURACY

SGT 5414.4 SGR 398.9 SG3 100.4
 RRT .5094 RRF .4916 RTF .9589
 SGB 5429.1 R23 .0014 R13 .9589
 SG1 5418.2 SG2 343.0 THA 2.16

ORBIT DETERMINATION ACCURACY

ST 2304.6 SR 391.3 SS 523.7
 CRT .8323 CRS -.7729 CST -.9948
 LSA 2385.1 MSA 222.3 SSA 11.3
 EL1 2327.7 EL2 214.7 ALF 8.11

LAUNCH DATE DEC 25 1965 FLIGHT TIME 206.00 ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 25.773 GAL 14.84 AZL 87.58 HCA 310.52 SMA 116.44 ECC .36128 INC 2.4233 V1 30.280
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.250 GAP 20.80 AZP 88.42 TAL 149.69 TAP 100.21 RCA 74.37 APO 158.51 V2 35.034
 RC 211.617 GL 7.00 GP -3.28 ZAL 39.41 ZAP 174.00 ETS 215.73 ZAE 131.80 ETE 183.54 ZAC 132.44 ETC 166.56 CLP 174.97

PLANETOCENTRIC CONIC
 C3 74.796 VHL 8.648 DLA 25.57 RAL 49.83 RAD 6569.5 VEL 14.005 PTH 2.56 VMP 13.183 DPA 9.31 RAP 38.02 ECC 2.2310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 2 3502.22 -20.44 131.05 303.42 69.97 5 15 24 2902.2 -22.99 123.30
 90.00 0 38 45 4221.73 .74 173.19 293.84 61.69 1 49 6 3621.7 -3.05 166.56
 100.00 6 3 27 3159.14 -23.43 106.95 304.56 70.88 6 56 6 2559.1 -25.82 98.97
 100.00 1 35 1 4040.04 3.51 158.31 292.31 60.30 2 42 21 3440.0 -1.47 151.78
 110.00 7 57 47 2801.39 -29.96 82.18 306.96 72.71 8 44 29 2201.4 -32.03 73.58
 110.00 1 57 10 3970.56 9.38 149.45 288.71 56.98 3 3 20 3370.6 4.97 143.14

MID-COURSE EXECUTION ACCURACY
 SGT 5388.9 SGR 390.2 SG3 98.1 ST 2242.7 SR 379.3 SS 525.8
 RRT .5316 RRF .5152 RTF .9639 CRT .8177 CRS -.7619 CST -.9956
 SGB 5403.0 R23 .0010 R13 .9639 LSA 2323.9 MSA 222.7 SSA 10.7
 SG1 5392.9 SG2 330.3 TMA 2.21 EL1 2264.3 EL2 216.3 ALF 7.95

ORBIT DETERMINATION ACCURACY
 ST 2242.7 SR 379.3 SS 525.8
 CRT .8177 CRS -.7619 CST -.9956
 LSA 2323.9 MSA 222.7 SSA 10.7
 EL1 2264.3 EL2 216.3 ALF 7.95

DIFFERENTIAL CORRECTIONS
 TDE 2.6126 TRA 8.4678 TC3 -1.0785 BAU 1.0784
 RDE .5709 RRA .1306 RC3 -.0024 FAU .00507
 FDE .4952 FRA 1.4740 FC3 -.0587 BSP 17994
 BDE 2.6742 BRA 6.4691 BC3 1.0785 FSP -333

LAUNCH DATE DEC 25 1965 FLIGHT TIME 208.00 ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 25.736 GAL 16.39 AZL 87.68 HCA 313.72 SMA 116.25 ECC .38029 INC 2.3245 V1 30.280
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.237 GAP 22.01 AZP 88.39 TAL 148.48 TAP 102.20 RCA 72.04 APO 160.46 V2 35.047
 RC 213.230 GL 6.18 GP -3.24 ZAL 37.81 ZAP 173.16 ETS 210.95 ZAE 131.62 ETE 183.51 ZAC 134.55 ETC 165.93 CLP 173.97

PLANETOCENTRIC CONIC
 C3 86.419 VHL 9.296 DLA 25.17 RAL 51.67 RAD 6569.7 VEL 14.414 PTH 2.62 VMP 13.915 DPA 10.13 RAP 40.10 ECC 2.4222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 5 3508.84 -20.29 131.47 307.64 69.81 5 30 34 2908.8 -22.86 123.74
 90.00 0 38 21 4281.14 2.66 176.51 297.31 61.80 1 49 42 3681.1 -1.14 169.88
 100.00 6 16 52 3171.06 -23.16 107.73 308.76 70.55 7 9 43 2571.1 -25.60 99.78
 100.00 1 36 16 4094.15 5.33 161.50 295.83 60.54 2 44 30 3494.1 1.36 154.75
 110.00 8 9 11 2819.63 -29.58 83.47 311.18 72.04 8 56 11 2219.6 -31.75 74.93
 110.00 2 0 26 4018.34 11.14 152.03 292.31 57.47 3 7 24 3418.3 6.77 145.66

MID-COURSE EXECUTION ACCURACY
 SGT 5360.9 SGR 380.6 SG3 96.0 ST 2185.8 SR 366.1 SS 531.4
 RRT .5538 RRF .5388 RTF .9688 CRT .8036 CRS -.7520 CST -.9964
 SGB 5374.4 R23 .0005 R13 .9688 LSA 2268.2 MSA 221.4 SSA 10.1
 SG1 5365.1 SG2 316.7 TMA 2.26 EL1 2205.7 EL2 215.9 ALF 7.74

ORBIT DETERMINATION ACCURACY
 ST 2185.8 SR 366.1 SS 531.4
 CRT .8036 CRS -.7520 CST -.9964
 LSA 2268.2 MSA 221.4 SSA 10.1
 EL1 2205.7 EL2 215.9 ALF 7.74

DIFFERENTIAL CORRECTIONS
 TDE 2.6499 TRA 7.1067 TC3 -.8756 BAU 1.0117
 RDE .5916 RRA .1603 RC3 -.0020 FAU .00373
 FDE .4949 FRA 1.5658 FC3 -.0373 BSP 17890
 BDE 2.7131 BRA 7.1085 BC3 .8756 FSP -324

LAUNCH DATE DEC 25 1965 FLIGHT TIME 210.00 ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 25.702 GAL 18.12 AZL 87.79 HCA 316.93 SMA 116.07 ECC .40174 INC 2.2144 V1 30.280
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.225 GAP 23.38 AZP 88.38 TAL 147.40 TAP 104.34 RCA 69.44 APO 162.70 V2 35.060
 RC 214.816 GL 5.40 GP -3.21 ZAL 36.37 ZAP 172.22 ETS 207.04 ZAE 131.37 ETE 183.47 ZAC 136.59 ETC 165.45 CLP 172.91

PLANETOCENTRIC CONIC
 C3 100.518 VHL 10.026 DLA 24.74 RAL 53.31 RAD 6569.9 VEL 14.895 PTH 2.69 VMP 14.743 DPA 10.91 RAP 42.13 ECC 2.6543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 22 3515.37 -20.14 131.89 311.67 69.66 5 44 58 2915.4 -22.72 124.18
 90.00 0 37 12 4340.73 4.57 179.84 300.61 62.02 1 49 32 3740.7 .79 173.20
 100.00 6 29 38 3182.44 -22.90 108.48 312.75 70.24 7 22 40 2582.4 -25.38 100.56
 100.00 1 36 37 4148.89 7.15 164.34 299.19 60.90 2 45 46 3548.9 3.22 157.76
 110.00 8 19 59 2837.19 -29.21 84.70 315.19 71.40 9 7 16 2237.2 -31.47 76.22
 110.00 2 2 45 4066.90 12.91 154.68 295.75 58.07 3 10 32 3466.9 8.59 148.24

MID-COURSE EXECUTION ACCURACY
 SGT 5326.8 SGR 369.9 SG3 93.9 ST 2129.7 SR 351.5 SS 539.6
 RRT .5752 RRF .5616 RTF .9735 CRT .7897 CRS -.7425 CST -.9971
 SGB 5339.7 R23 -.0002 R13 .9735 LSA 2214.1 MSA 218.5 SSA 9.5
 SG1 5331.1 SG2 302.3 TMA 2.29 EL1 2147.9 EL2 213.8 ALF 7.50

ORBIT DETERMINATION ACCURACY
 ST 2129.7 SR 351.5 SS 539.6
 CRT .7897 CRS -.7425 CST -.9971
 LSA 2214.1 MSA 218.5 SSA 9.5
 EL1 2147.9 EL2 213.8 ALF 7.50

DIFFERENTIAL CORRECTIONS
 TDE 2.6920 TRA 7.7987 TC3 -.6927 BAU .9309
 RDE .6118 RRA .1918 RC3 -.0012 FAU .00229
 FDE .4963 FRA 1.6668 FC3 -.0197 BSP 17871
 BDE 2.7606 BRA 7.8010 BC3 .6927 FSP -317

LAUNCH DATE DEC 25 1965 FLIGHT TIME 212.00 ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC
 RL 147.14 LAL .00 LOL 93.00 VL 25.669 GAL 20.04 AZL 87.91 HCA 320.15 SMA 115.90 ECC .42604 INC 2.0902 V1 30.280
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.215 GAP 24.94 AZP 88.39 TAL 146.50 TAP 106.65 RCA 66.52 APO 165.28 V2 35.073
 RC 216.375 GL 4.65 GP -3.17 ZAL 35.12 ZAP 171.17 ETS 203.81 ZAE 131.03 ETE 183.42 ZAC 138.54 ETC 164.90 CLP 171.76

PLANETOCENTRIC CONIC
 C3 117.761 VHL 10.852 DLA 24.28 RAL 54.76 RAD 6570.2 VEL 15.463 PTH 2.76 VMP 15.686 DPA 11.64 RAP 44.10 ECC 2.9380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 49 3521.57 -19.99 132.29 315.46 69.51 5 58 30 2921.6 -22.60 124.59
 90.00 0 35 16 4400.15 6.45 183.19 303.72 62.37 1 48 36 3800.2 2.70 176.52
 100.00 6 41 42 3193.09 -22.65 109.17 316.51 69.96 7 34 55 2593.1 -25.18 101.29
 100.00 1 36 4 4203.86 8.96 167.42 302.37 61.36 2 46 8 3603.9 5.07 160.79
 110.00 8 30 7 2853.85 -28.84 85.86 318.96 70.80 9 17 41 2253.9 -31.18 77.44
 110.00 2 4 8 4115.86 14.65 157.40 299.02 58.77 3 12 44 3515.9 10.41 150.87

MID-COURSE EXECUTION ACCURACY
 SGT 5288.7 SGR 358.2 SG3 92.0 ST 2077.0 SR 335.9 SS 551.6
 RRT .5962 RRF .5840 RTF .9779 CRT .7767 CRS -.7341 CST -.9977
 SGB 5300.8 R23 -.0009 R13 .9779 LSA 2164.5 MSA 213.9 SSA 8.9
 SG1 5293.0 SG2 287.3 TMA 2.32 EL1 2093.5 EL2 209.9 ALF 7.23

ORBIT DETERMINATION ACCURACY
 ST 2077.0 SR 335.9 SS 551.6
 CRT .7767 CRS -.7341 CST -.9977
 LSA 2164.5 MSA 213.9 SSA 8.9
 EL1 2093.5 EL2 209.9 ALF 7.23

DIFFERENTIAL CORRECTIONS
 TDE 2.7463 TRA 8.5559 TC3 -.5270 BAU .8296
 RDE .6318 RRA .2251 RC3 .0002 FAU .00066
 FDE .5011 FRA 1.7798 FC3 -.0048 BSP 17835
 BDE 2.8180 BRA 8.5589 BC3 .5270 FSP -311

LAUNCH DATE DEC 25 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

DISTANCE 605.796

RL 147.14 LAL .00 LOL 93.00 VL 25.639 GAL 22.20 AZL 88.05 MCA 323.36 SMA 115.74 ECC .45369 INC 1.9479 V1 30.280
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.206 GAP 26.73 AZP 88.44 TAL 145.81 TAP 109.17 RCA 63.23 APO 168.25 V2 35.086
 RC 217.906 GL 3.92 GP -3.14 ZAL 34.06 ZAP 170.01 ETS 201.08 ZAE 130.59 ETE 183.37 ZAC 140.39 ETC 164.31 CLP 170.51

PLANETOCENTRIC CONIC

C3 139.041 VML 11.792 OLA 23.80 RAL 55.98 RAD 6570.5 VEL 16.136 PTH 2.84 VHP 16.767 DPA 12.32 RAP 45.98 ECC 3.2883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 22 3527.08 -19.86 132.64 318.98 69.39 6 11 9 2927.1 -22.48 124.95
 90.00 0 32 30 4459.10 8.30 186.54 306.62 62.83 1 46 49 3859.1 4.59 179.82
 100.00 6 52 58 3202.71 -22.43 109.80 320.01 69.70 7 46 21 2602.7 -24.99 101.94
 100.00 1 34 35 4258.71 10.73 170.52 305.33 61.93 2 45 34 3658.7 6.90 163.84
 110.00 8 39 32 2869.31 -28.49 86.92 322.45 70.26 9 27 21 2269.3 -30.91 78.56
 110.00 2 4 30 4164.87 16.36 160.17 302.09 59.56 3 13 55 3584.9 12.20 153.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.8166 TRA 9.3883 TC3 -.3778 BAU .7023 SGT 5246.3 SGR 345.4 SG3 90.1 ST 2027.5 SR 319.3 SS 567.8
 RDE .6517 RRA .2598 RC3 .0018 FAU-.00126 RRT .6166 RRF .6058 RTF .9819 CRT .7649 CRS -.7270 CST -.9983
 FDE .5097 FRA 1.9070 FC3 .0079 BSP 17777 SGB 5257.6 R23 -.0016 R13 .9819 LSA 2119.4 MSA 207.7 SSA 8.3
 BDE 2.8910 BRA 9.3919 BC3 .3778 FSP -305 SG1 5250.6 SG2 271.7 THA 2.33 EL1 2042.3 EL2 204.2 ALF 6.94

LAUNCH DATE DEC 25 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 606.300

RL 147.14 LAL .00 LOL 93.00 VL 25.611 GAL 24.65 AZL 88.22 MCA 326.58 SMA 115.60 ECC .48524 INC 1.7823 V1 30.280
 RP 107.97 LAP -.98 LOP 59.58 VP 36.198 GAP 28.80 AZP 88.51 TAL 145.38 TAP 111.96 RCA 59.51 APO 171.69 V2 35.099
 RC 219.410 GL 3.23 GP -3.10 ZAL 33.23 ZAP 168.70 ETS 198.75 ZAE 130.02 ETE 183.30 ZAC 142.11 ETC 163.68 CLP 169.13

PLANETOCENTRIC CONIC

C3 165.571 VML 12.867 OLA 23.28 RAL 56.97 RAD 6570.8 VEL 16.938 PTH 2.92 VHP 18.014 DPA 12.94 RAP 47.75 ECC 3.7249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 58 3531.47 -19.75 132.92 322.18 69.29 6 22 49 2931.5 -22.39 125.24
 90.00 0 28 47 4517.33 10.09 189.88 309.27 63.40 1 44 5 3917.3 6.44 183.10
 100.00 7 3 23 3210.91 -22.23 110.33 323.18 69.49 7 56 54 2610.9 -24.82 102.49
 100.00 1 32 3 4313.13 12.46 173.64 308.04 62.61 2 43 56 3713.1 8.69 166.88
 110.00 8 48 8 2883.19 -28.17 87.87 325.62 69.78 9 36 11 2283.2 -30.65 79.56
 110.00 2 3 47 4213.61 18.02 162.98 304.91 60.45 3 14 1 3613.6 13.95 156.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.9110 TRA10.3097 TC3 -.2438 BAU .5398 SGT 5201.0 SGR 331.7 SG3 88.4 ST 1982.0 SR 302.1 SS 589.5
 RDE .6716 RRA .2956 RC3 .0036 FAU-.00363 RRT .6364 RRF .6269 RTF .9855 CRT .7549 CRS -.7217 CST -.9987
 FDE .5239 FRA 2.0519 FC3 .0190 BSP 17614 SGB 5211.6 R23 -.0022 R13 .9855 LSA 2080.2 MSA 199.8 SSA 7.8
 BDE 2.9875 BRA10.3139 BC3 .2439 FSP -297 SG1 5205.3 SG2 255.7 THA 2.33 EL1 1995.2 EL2 196.8 ALF 6.63

LAUNCH DATE DEC 25 1965

FLIGHT TIME 218.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 605.455

RL 147.14 LAL .00 LOL 93.00 VL 25.586 GAL 27.46 AZL 88.41 MCA 329.79 SMA 115.47 ECC .52134 INC 1.5855 V1 30.280
 RP 107.93 LAP -.80 LOP 62.80 VP 36.193 GAP 31.22 AZP 88.63 TAL 145.28 TAP 115.07 RCA 55.27 APO 175.67 V2 35.111
 RC 220.887 GL 2.55 GP -3.07 ZAL 32.65 ZAP 167.22 ETS 196.73 ZAE 129.29 ETE 183.23 ZAC 143.68 ETC 163.02 CLP 167.59

PLANETOCENTRIC CONIC

C3 199.003 VML 14.107 OLA 22.74 RAL 57.70 RAD 6571.1 VEL 17.898 PTH 3.00 VHP 19.463 DPA 13.50 RAP 49.37 ECC 4.2751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 33 3534.22 -19.68 133.09 325.02 69.22 6 33 27 2934.2 -22.34 125.42
 90.00 0 23 58 4574.67 11.82 193.20 311.63 64.08 1 40 13 3974.7 8.24 186.35
 100.00 7 12 52 3217.23 -22.08 110.74 326.00 69.32 8 6 29 2617.2 -24.69 102.92
 100.00 1 28 21 4366.89 14.12 176.77 310.46 63.38 2 41 8 3766.9 10.43 169.92
 110.00 8 55 50 2895.06 -27.89 88.68 328.41 69.38 9 44 6 2295.1 -30.43 80.41
 110.00 2 1 51 4261.83 19.62 165.81 307.46 61.43 3 12 53 3661.8 15.65 158.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.0279 TRA11.3230 TC3 -.1264 BAU .3365 SGT 5148.3 SGR 316.8 SG3 86.7 ST 1936.6 SR 284.2 SS 616.4
 RDE .6914 RRA .3314 RC3 .0053 FAU-.00652 RRT .6546 RRF .6464 RTF .9887 CRT .7464 CRS -.7175 CST -.9990
 FDE .5430 FRA 2.2160 FC3 .0284 BSP 17532 SGB 5158.1 R23 -.0029 R13 .9887 LSA 2043.2 MSA 190.6 SSA 7.2
 BDE 3.1058 BRA11.3278 BC3 .1265 FSP -292 SG1 5152.5 SG2 239.3 THA 2.31 EL1 1948.3 EL2 188.0 ALF 6.31

LAUNCH DATE DEC 25 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 602.838

RL 147.14 LAL .00 LOL 93.00 VL 25.566 GAL 30.69 AZL 88.65 MCA 333.01 SMA 115.37 ECC .56271 INC 1.3467 V1 30.280
 RP 107.89 LAP -.61 LOP 66.02 VP 36.191 GAP 34.07 AZP 88.80 TAL 145.58 TAP 118.59 RCA 50.45 APO 180.29 V2 35.124
 RC 222.336 GL 1.91 GP -3.03 ZAL 32.35 ZAP 165.54 ETS 194.95 ZAE 128.36 ETE 183.14 ZAC 145.06 ETC 162.37 CLP 165.85

PLANETOCENTRIC CONIC

C3 241.614 VML 15.544 OLA 22.16 RAL 58.12 RAD 6571.4 VEL 19.051 PTH 3.08 VHP 21.158 DPA 14.00 RAP 50.81 ECC 4.9764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 3 3534.72 -19.67 133.12 327.44 69.21 6 42 57 2934.7 -22.33 125.45
 90.00 0 17 50 4631.03 13.48 196.51 313.63 64.86 1 35 1 4031.0 9.98 189.58
 100.00 7 21 18 3221.12 -21.99 110.99 328.38 69.22 8 14 59 2621.1 -24.62 103.18
 100.00 1 23 15 4419.85 15.71 179.90 312.53 64.24 2 36 55 3819.9 12.12 172.95
 110.00 9 2 32 2904.43 -27.66 89.32 330.76 69.06 9 50 56 2304.4 -30.25 81.08
 110.00 1 58 31 4309.32 21.14 168.65 309.67 62.49 3 10 20 3709.3 17.29 161.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.1782 TRA12.4415 TC3 -.0236 BAU .0796 SGT 5089.1 SGR 300.8 SG3 85.2 ST 1891.9 SR 265.9 SS 650.0
 RDE .7116 RRA .3661 RC3 .0070 FAU-.01021 RRT .6710 RRF .6639 RTF .9914 CRT .7399 CRS -.7150 CST -.9993
 FDE .5694 FRA 2.4036 FC3 .0366 BSP 17426 SGB 5098.0 R23 -.0035 R13 .9914 LSA 2010.0 MSA 180.2 SSA 6.6
 BDE 3.2569 BRA12.4469 BC3 .0246 FSP -287 SG1 5093.1 SG2 222.9 THA 2.28 EL1 1902.2 EL2 177.9 ALF 5.99

LAUNCH DATE DEC 26 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 6 1966

HELIOCENTRIC CONIC

DISTANCE 205.792

RL 147.13 LAL .00 LOL 94.01 VL 29.296 GAL -13.66 AZL 86.85 HCA 94.65 SMA 140.32 ECC .24091 INC 3.1513 V1 30.281
 RP 107.81 LAP 3.14 LOP 188.67 VP 38.937 GAP -3.90 A7P 90.26 TAL 245.04 TAP 339.69 RCA 106.51 APO 174.12 V2 35.149
 RC 66.268 GL 12.44 GP 8.52 ZAL 160.47 ZAP 52.82 ETS 351.77 ZAE 167.54 ETE 1.56 ZAC 50.14 ETC 166.84 CLP -52.34

PLANETOCENTRIC CONIC

C3 52.804 VHL 7.267 DLA -9.75 RAL 289.01 RAD 6568.9 VEL 13.197 PTH 2.41 VHP 4.716 DPA -10.56 RAP 317.26 ECC 1.8690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 10 2148.75 -17.92 37.36 164.48 112.30 2 10 59 1548.7 -14.74 30.12
 90.00 11 4 50 5407.28 28.04 248.10 171.64 85.86 12 34 58 4807.3 27.17 239.54
 100.00 2 51 43 1901.82 -19.28 18.60 163.88 113.30 3 23 25 1301.8 -15.96 11.37
 100.00 12 30 59 5129.44 29.51 227.53 171.51 84.98 13 56 29 4529.4 28.50 218.87
 110.00 3 49 2 1722.31 -22.89 3.20 162.10 116.11 4 17 45 1122.3 -19.19 356.01
 110.00 13 50 9 4881.71 33.46 208.22 171.00 82.55 15 11 31 4281.7 32.07 199.26

DIFFERENTIAL CORRECTIONS

TDE -.0952 TRA -.5324 TC3 .0841 BAU .0621
 RDE -.4883 RRA .1435 RC3 .0255 FAU .09852
 FDE .4181 FRA-1.5484 FC3-1.6152 BSP 433
 BDE .4975 BRA .5514 BC3 .0879 FSP -670

MID-COURSE EXECUTION ACCURACY

SGT 449.5 SGR 403.4 SG3 231.1
 RRT -.0852 RRF -.3301 RTF .1796
 SGB 604.0 R23 .2506 R13 -.2632
 SG1 455.4 SG2 396.7 TMA 160.89

ORBIT DETERMINATION ACCURACY

ST 148.3 SR 386.5 SS 204.5
 CRT .4277 CRS .7208 CST -.3022
 LSA 419.9 MSA 191.0 SSA 20.6
 EL1 392.4 EL2 132.0 ALF 79.48

LAUNCH DATE DEC 26 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 212.415

RL 147.13 LAL .00 LOL 94.01 VL 29.311 GAL -13.53 AZL 86.91 HCA 97.88 SMA 140.45 ECC .23843 INC 3.0927 V1 30.281
 RP 107.85 LAP 3.06 LOP 191.90 VP 38.938 GAP -3.22 A7P 90.42 TAL 245.29 TAP 343.16 RCA 106.96 APO 173.93 V2 35.138
 RC 68.394 GL 12.33 GP 9.02 ZAL 160.62 ZAP 57.79 ETS 352.46 ZAE 170.39 ETE 7.28 ZAC 48.32 ETC 167.14 CLP -57.33

PLANETOCENTRIC CONIC

C3 51.709 VHL 7.191 DLA -9.85 RAL 288.90 RAD 6568.9 VEL 13.156 PTH 2.40 VHP 4.490 DPA -10.54 RAP 315.42 ECC 1.8510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 36 2140.13 -17.69 36.82 164.02 112.47 2 11 16 1540.1 -14.50 29.61
 90.00 11 3 35 5405.51 28.03 247.97 171.19 85.79 12 33 41 4805.5 27.15 239.42
 100.00 2 52 5 1893.38 -19.05 18.07 163.41 113.48 3 23 39 1293.4 -15.71 10.87
 100.00 12 29 47 5127.48 29.50 227.39 171.06 84.91 13 55 15 4527.5 28.48 218.73
 110.00 3 49 17 1714.28 -22.65 2.70 161.63 116.32 4 17 51 1114.3 -18.93 355.54
 110.00 13 49 5 4879.35 33.44 208.03 170.55 82.44 15 10 24 4279.4 32.03 199.09

DIFFERENTIAL CORRECTIONS

TDE -.0825 TRA -.5757 TC3 .0476 BAU .0420
 RDE -.4832 RRA .1533 RC3 .0378 FAU .10725
 FDE .4498 FRA-1.6881 FC3-1.7956 BSP 504
 BDE .4902 BRA .5957 BC3 .0608 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 475.1 SGR 408.1 SG3 254.3
 RRT -.1480 RRF -.3728 RTF .3112
 SGB 626.3 R23 .2171 R13 -.3985
 SG1 487.2 SG2 393.6 TMA 157.94

ORBIT DETERMINATION ACCURACY

ST 154.4 SR 386.8 SS 213.3
 CRT .3369 CRS .7212 CST -.3945
 LSA 421.5 MSA 202.0 SSA 20.6
 EL1 390.8 EL2 143.8 ALF 81.13

LAUNCH DATE DEC 26 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 218.993

RL 147.13 LAL .00 LOL 94.01 VL 29.316 GAL -13.39 AZL 86.97 HCA 101.10 SMA 140.49 ECC .23613 INC 3.0333 V1 30.281
 RP 107.89 LAP 2.98 LOP 195.13 VP 38.931 GAP -2.57 A7P 90.58 TAL 245.38 TAP 346.48 RCA 107.31 APO 173.66 V2 35.126
 RC 70.553 GL 12.24 GP 9.52 ZAL 160.71 ZAP 62.88 ETS 353.18 ZAE 173.28 ETE 18.20 ZAC 46.37 ETC 167.47 CLP -62.47

PLANETOCENTRIC CONIC

C3 50.651 VHL 7.117 DLA -9.96 RAL 288.88 RAD 6568.9 VEL 13.115 PTH 2.39 VHP 4.299 DPA -10.53 RAP 313.43 ECC 1.8336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 23 2131.45 -17.47 36.29 163.64 112.65 2 11 55 1531.5 -14.25 29.09
 90.00 11 2 38 5403.90 28.02 247.89 170.83 85.73 12 32 41 4803.9 27.13 239.30
 100.00 2 52 48 1884.90 -18.82 17.55 163.03 113.66 3 24 13 1284.9 -15.46 10.37
 100.00 12 28 53 5125.68 29.48 227.25 170.69 84.84 13 54 19 4525.7 28.46 218.60
 110.00 3 49 52 1706.22 -22.40 2.20 161.24 116.52 4 18 18 1106.2 -18.66 355.07
 110.00 13 48 19 4877.13 33.42 207.86 170.17 82.34 15 9 36 4277.1 32.00 198.92

DIFFERENTIAL CORRECTIONS

TDE -.0679 TRA -.6252 TC3 .0044 BAU .0349
 RDE -.4768 RRA .1637 RC3 .0513 FAU .11578
 FDE .4748 FRA-1.8204 FC3-1.9788 BSP 673
 BDE .4816 BRA .6463 BC3 .0515 FSP -827

MID-COURSE EXECUTION ACCURACY

SGT 514.0 SGR 413.0 SG3 277.2
 RRT -.2211 RRF -.4161 RTF .4377
 SGB 659.4 R23 .1865 R13 -.5138
 SG1 532.6 SG2 388.7 TMA 157.46

ORBIT DETERMINATION ACCURACY

ST 152.8 SR 386.0 SS 220.5
 CRT .2360 CRS .7193 CST -.4918
 LSA 422.1 MSA 213.3 SSA 20.7
 EL1 388.3 EL2 157.2 ALF 81.19

LAUNCH DATE DEC 26 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 225.527

RL 147.13 LAL .00 LOL 94.01 VL 29.311 GAL -13.26 AZL 87.03 HCA 104.32 SMA 140.45 ECC .23397 INC 2.9725 V1 30.281
 RP 107.92 LAP 2.88 LOP 198.35 VP 38.917 GAP -1.96 A7P 90.74 TAL 245.34 TAP 349.66 RCA 107.59 APO 173.31 V2 35.114
 RC 72.741 GL 12.12 GP 10.01 ZAL 160.76 ZAP 68.07 ETS 353.93 ZAE 175.75 ETE 44.22 ZAC 44.33 ETC 167.84 CLP -67.71

PLANETOCENTRIC CONIC

C3 49.615 VHL 7.044 DLA -10.07 RAL 288.93 RAD 6568.8 VEL 13.076 PTH 2.39 VHP 4.142 DPA -10.52 RAP 311.34 ECC 1.8165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 30 2122.66 -17.24 35.74 163.34 112.82 2 12 53 1522.7 -14.00 28.56
 90.00 11 1 56 5402.40 28.01 247.75 170.54 85.68 12 31 59 4802.4 27.12 239.19
 100.00 2 53 52 1876.31 -18.58 17.02 162.73 113.84 3 25 8 1276.3 -15.20 9.86
 100.00 12 28 16 5123.98 29.47 227.13 170.40 84.78 13 53 40 4524.0 28.44 218.48
 110.00 3 50 47 1698.06 -22.15 1.70 160.93 116.72 4 19 5 1098.1 -18.39 354.59
 110.00 13 47 50 4874.99 33.40 207.70 169.88 82.25 15 9 5 4275.0 31.97 198.76

DIFFERENTIAL CORRECTIONS

TDE -.0525 TRA -.6816 TC3 -.0461 BAU .0532
 RDE -.4692 RRA .1741 RC3 .0657 FAU .12365
 FDE .4941 FRA-1.9362 FC3-2.1575 BSP 915
 BDE .4721 BRA .7035 BC3 .0802 FSP -907

MID-COURSE EXECUTION ACCURACY

SGT 568.5 SGR 418.2 SG3 298.8
 RRT -.2973 RRF -.4596 RTF .5499
 SGB 705.7 R23 .1625 R13 -.6100
 SG1 592.8 SG2 382.9 TMA 158.18

ORBIT DETERMINATION ACCURACY

ST 174.3 SR 384.1 SS 226.4
 CRT .1346 CRS .7176 CST -.5813
 LSA 422.2 MSA 224.7 SSA 20.7
 EL1 385.0 EL2 172.3 ALF 85.63

LAUNCH DATE DEC 26 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 14 1966

DISTANCE 232.017

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.299 GAL -13.13 AZL 87.09 HCA 107.54 SMA 140.34 ECC .23191 INC 2.9100 V1 30.281
 RP 107.96 LAP 2.77 LOP 201.58 VP 38.896 GAP -1.37 AZP 90.88 TAL 245.16 TAP 352.70 RCA 107.80 APO 172.89 V2 35.101
 RC 74.954 GL 11.99 GP 10.49 ZAL 160.75 ZAP 73.29 ETS 354.71 ZAE 176.17 ETE 96.15 ZAC 42.24 ETC 168.23 CLP -73.00

PLANETOCENTRIC CONIC
 C3 48.591 VML 6.971 DLA -10.19 RAL 289.06 RAD 6568.8 VEL 13.037 PTH 2.38 VMP 4.017 DPA -10.51 RAP 309.22 ECC 1.7997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 56 2113.66 -17.00 35.19 163.11 112.99 2 14 10 1513.7 -13.74 28.03
 90.00 11 1 31 5400.97 28.00 247.64 170.32 85.63 12 31 31 4801.0 27.10 239.09
 100.00 2 55 14 1867.52 -18.34 16.48 162.50 114.03 3 26 21 1267.5 -14.94 9.34
 100.00 12 27 54 5122.34 29.46 227.01 170.18 84.71 13 53 16 4522.3 28.42 218.36
 110.00 3 52 0 1689.72 -21.90 1.19 160.69 116.93 4 20 10 1089.7 -18.11 354.10
 110.00 13 47 37 4872.91 33.38 207.54 169.66 82.16 15 8 50 4272.9 31.93 198.61

DIFFERENTIAL CORRECTIONS
 TDE -.0374 TRA -.7446 TC3 -.1041 BAU .0855 SGT 639.3 SGR 423.5 SG3 317.6 ST 189.1 SR 381.2 SS 231.2
 RDE -.4604 RRA .1838 RC3 .0805 FAU .13031 RRT -.3698 RRF -.5023 RTF .6419 CRT .0419 CRS .7198 CST -.6524
 FDE .5114 FRA-2.0253 FC3-2.3217 BSP 1219 SGB 766.8 R23 .1461 R13 -.6870 LSA 422.5 MSA 235.9 SSA 20.6
 BDE .4619 BRA .7669 BC3 .1316 FSP -969 SG1 668.0 SG2 376.6 TMA 159.43 EL1 381.3 EL2 188.9 ALF 88.42

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 16 1966

DISTANCE 238.465

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.279 GAL -12.99 AZL 87.15 HCA 110.76 SMA 140.17 ECC .22994 INC 2.8453 V1 30.281
 RP 108.00 LAP 2.66 LOP 204.80 VP 38.870 GAP -.82 AZP 91.01 TAL 244.87 TAP 355.63 RCA 107.94 APO 172.40 V2 35.089
 RC 77.191 GL 11.85 GP 10.95 ZAL 160.70 ZAP 78.50 ETS 355.54 ZAE 173.94 ETE 130.51 ZAC 40.16 ETC 168.66 CLP -78.28

PLANETOCENTRIC CONIC
 C3 47.571 VML 6.897 DLA -10.31 RAL 289.25 RAD 6568.8 VEL 12.997 PTH 2.37 VMP 3.923 DPA -10.48 RAP 307.10 ECC 1.7829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 41 2104.38 -16.75 34.62 162.94 113.17 2 15 45 1504.4 -13.47 27.48
 90.00 11 1 18 5399.64 28.00 247.54 170.17 85.58 12 31 17 4799.6 27.09 239.00
 100.00 2 56 55 1858.46 -18.09 15.93 162.33 114.21 3 27 53 1258.5 -14.67 8.81
 100.00 12 27 45 5120.79 29.45 226.89 170.03 84.65 13 53 6 4520.8 28.40 218.25
 110.00 3 53 32 1681.14 -21.63 .66 160.52 117.14 4 21 33 1081.1 -17.82 353.60
 110.00 13 47 37 4870.88 33.36 207.38 169.49 82.07 15 8 48 4270.9 31.90 198.46

DIFFERENTIAL CORRECTIONS
 TDE -.0218 TRA -.8119 TC3 -.1680 BAU .1230 SGT 723.9 SGR 428.7 SG3 334.0 ST 206.6 SR 377.0 SS 233.7
 RDE -.4499 RRA .1931 RC3 .0960 FAU .13590 RRT -.4372 RRF -.5431 RTF .7126 CRT -.0425 CRS .7181 CST -.7157
 FDE .5164 FRA-2.0927 FC3-2.4732 BSP 1558 SGB 841.3 R23 .1337 R13 -.7458 LSA 422.0 MSA 246.8 SSA 20.6
 BDE .4505 BRA .8346 BC3 .1935 FSP -1032 SG1 756.0 SG2 369.2 TMA 160.71 EL1 377.1 EL2 206.3 ALF 91.90

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 18 1966

DISTANCE 244.872

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.253 GAL -12.85 AZL 87.22 HCA 113.97 SMA 139.94 ECC .22803 INC 2.7778 V1 30.281
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.838 GAP -.29 AZP 91.13 TAL 244.47 TAP 358.44 RCA 108.03 APO 171.86 V2 35.076
 RC 79.446 GL 11.69 GP 11.40 ZAL 160.61 ZAP 83.63 ETS 356.42 ZAE 170.82 ETE 144.32 ZAC 38.15 ETC 169.13 CLP -83.50

PLANETOCENTRIC CONIC
 C3 46.548 VML 6.823 DLA -10.44 RAL 289.51 RAD 6568.7 VEL 12.958 PTH 2.36 VMP 3.856 DPA -10.43 RAP 305.05 ECC 1.7661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 45 2094.72 -16.49 34.03 162.83 113.35 2 17 40 1494.7 -13.19 26.91
 90.00 11 1 17 5398.39 27.99 247.45 170.07 85.53 12 31 15 4798.4 27.08 238.91
 100.00 2 58 54 1849.04 -17.82 15.35 162.21 114.40 3 29 43 1249.0 -14.38 8.25
 100.00 12 27 49 5119.31 29.44 226.79 169.93 84.60 13 53 8 4519.3 28.38 218.14
 110.00 3 55 22 1672.22 -21.35 .12 160.39 117.35 4 23 14 1072.2 -17.52 353.09
 110.00 13 47 50 4868.90 33.34 207.23 169.39 81.98 15 8 59 4268.9 31.87 198.31

DIFFERENTIAL CORRECTIONS
 TDE -.0073 TRA -.8833 TC3 -.2379 BAU .1635 SGT 821.2 SGR 433.6 SG3 346.4 ST 226.6 SR 371.6 SS 235.0
 RDE -.4382 RRA .2012 RC3 .1113 FAU .13978 RRT -.4961 RRF -.5817 RTF .7652 CRT -.1122 CRS .7199 CST -.7612
 FDE .5182 FRA-2.1269 FC3-2.5997 BSP 1933 SGB 928.7 R23 .1265 R13 -.7897 LSA 422.2 MSA 256.9 SSA 20.6
 BDE .4383 BRA .9059 BC3 .2627 FSP -1074 SG1 855.4 SG2 361.4 TMA 162.00 EL1 373.0 EL2 224.3 ALF 96.14

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 20 1966

DISTANCE 251.238

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.221 GAL -12.71 AZL 87.29 HCA 117.19 SMA 139.67 ECC .22617 INC 2.7069 V1 30.281
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.802 GAP .21 AZP 91.24 TAL 243.96 TAP 1.15 RCA 108.08 APO 171.25 V2 35.063
 RC 81.719 GL 11.51 GP 11.84 ZAL 160.48 ZAP 88.64 ETS 357.33 ZAE 167.50 ETE 151.01 ZAC 36.26 ETC 169.64 CLP -88.61

PLANETOCENTRIC CONIC
 C3 45.517 VML 6.747 DLA -10.58 RAL 289.83 RAD 6568.7 VEL 12.918 PTH 2.35 VMP 3.814 DPA -10.35 RAP 303.12 ECC 1.7491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 8 2084.58 -16.22 33.41 162.77 113.54 2 19 53 1484.6 -12.90 26.31
 90.00 11 1 26 5397.31 27.99 247.38 170.02 85.49 12 31 23 4797.3 27.07 238.83
 100.00 3 1 12 1839.15 -17.55 14.75 162.15 114.60 3 31 52 1239.1 -14.08 7.67
 100.00 12 28 2 5117.97 29.44 226.69 169.88 84.55 13 53 20 4518.0 28.37 218.05
 110.00 3 57 30 1662.87 -21.06 359.55 160.32 117.57 4 25 13 1062.9 -17.20 352.55
 110.00 13 48 14 4867.01 33.32 207.09 169.34 81.89 15 9 21 4267.0 31.84 198.17

DIFFERENTIAL CORRECTIONS
 TDE .0062 TRA -.9567 TC3 -.3126 BAU .2053 SGT 927.9 SGR 438.0 SG3 355.7 ST 248.3 SR 364.7 SS 233.9
 RDE -.4247 RRA .2084 RC3 .1270 FAU .14237 RRT -.5487 RRF -.6178 RTF .8036 CRT -.1696 CRS .7169 CST -.7999
 FDE .5064 FRA-2.1371 FC3-2.7079 BSP 2329 SGB 1026.1 R23 .1218 R13 -.8220 LSA 422.1 MSA 266.1 SSA 20.6
 BDE .4247 BRA .9791 BC3 .3374 FSP -1115 SG1 963.6 SG2 352.6 TMA 163.16 EL1 369.0 EL2 241.9 ALF 101.65

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.183 GAL -12.57 AZL 87.37 HCA 120.40 SMA 139.34 ECC .22436 INC 2.6319 V1 30.281
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.762 GAP .69 A7P 91.33 TAL 243.36 TAP 3.76 RCA 108.08 APO 170.61 V2 35.050
 RC 84.008 GL 11.31 GP 12.26 ZAL 160.31 ZAP 93.47 ETS 358.30 ZAE 164.20 ETE 154.86 ZAC 34.52 ETC 170.20 CLP -93.55

PLANETOCENTRIC CONIC
 C3 44.476 VHL 6.669 DLA -10.73 RAL 290.20 RAD 6568.7 VEL 12.878 PTH 2.35 VHP 3.796 DPA -10.23 RAP 301.35 ECC 1.7320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 51 2073.82 -15.92 32.76 162.75 113.73 2 22 25 1473.8 -12.58 25.68
 90.00 11 1 42 5396.43 27.98 247.31 170.02 85.46 12 31 38 4796.4 27.06 238.77
 100.00 3 3 51 1828.66 -17.25 14.11 162.13 114.80 3 34 19 1228.7 -13.76 7.06
 100.00 12 28 24 5116.82 29.43 226.60 169.88 84.50 13 53 41 4516.8 28.36 217.96
 110.00 3 59 57 1652.98 -20.75 358.95 160.30 117.80 4 27 30 1053.0 -16.87 351.98
 110.00 13 48 47 4865.27 33.31 206.96 169.33 81.82 15 9 52 4265.3 31.82 198.04

DIFFERENTIAL CORRECTIONS
 TDE .0178 TRA-1.0312 TC3 -.3916 BAU .2478 SGT 1042.2 SGR 441.7 SG3 361.2 ST 271.4 SR 356.4 SS 231.2
 RDE -.4096 RRA .2142 RC3 .1427 FAU .14341 RRT -.5944 RRF -.6515 RTF .8315 CRT -.2136 CRS .7135 CST -.8286
 FDE .4875 FRA-2.1194 FC3-2.7915 BSP 2746 SGB 1131.9 R23 .1203 R13 -.8456 LSA 422.9 MSA 273.6 SSA 20.5
 BDE .4100 BRA 1.0533 BC3 .4168 FSP -1143 SG1 1078.6 SG2 343.2 TMA 164.22 EL1 366.2 EL2 258.1 ALF 108.87

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.140 GAL -12.42 AZL 87.45 HCA 123.60 SMA 138.98 ECC .22259 INC 2.5518 V1 30.281
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.718 GAP 1.14 A7P 91.41 TAL 242.67 TAP 6.28 RCA 108.04 APO 169.92 V2 35.036
 RC 86.309 GL 11.09 GP 12.68 ZAL 160.10 ZAP 98.09 ETS 359.31 ZAE 161.00 ETE 157.31 ZAC 32.98 ETC 170.81 CLP -98.29

PLANETOCENTRIC CONIC
 C3 43.421 VHL 6.589 DLA -10.89 RAL 290.63 RAD 6568.6 VEL 12.837 PTH 2.34 VHP 3.797 DPA -10.06 RAP 299.78 ECC 1.7146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 56 2062.29 -15.61 32.06 162.78 113.93 2 25 19 1462.3 -12.24 25.00
 90.00 11 2 4 5395.88 27.98 247.27 170.07 85.44 12 32 0 4795.9 27.05 238.73
 100.00 3 6 50 1817.44 -16.93 13.44 162.15 115.01 3 37 7 1217.4 -13.42 6.40
 100.00 12 28 51 5115.96 29.42 226.54 169.93 84.47 13 54 7 4516.0 28.35 217.90
 110.00 4 2 43 1642.43 -20.41 358.32 160.32 118.03 4 30 5 1042.4 -16.50 351.38
 110.00 13 49 27 4863.74 33.29 206.84 169.38 81.75 15 10 31 4263.7 31.79 197.93

DIFFERENTIAL CORRECTIONS
 TDE .0271 TRA-1.1055 TC3 -.4741 BAU .2901 SGT 1161.6 SGR 444.7 SG3 362.5 ST 295.2 SR 347.0 SS 227.3
 RDE -.3934 RRA .2183 RC3 .1580 FAU .14277 RRT -.6338 RRF -.6831 RTF .8514 CRT -.2460 CRS .7129 CST -.8470
 FDE .4667 FRA-2.0715 FC3-2.8465 BSP 3168 SGB 1243.8 R23 .1225 R13 -.8627 LSA 425.5 MSA 278.9 SSA 20.5
 BDE .3943 BRA 1.1269 BC3 .4998 FSP -1147 SG1 1198.3 SG2 333.4 TMA 165.19 EL1 366.0 EL2 271.3 ALF 118.29

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.094 GAL -12.27 AZL 87.53 HCA 126.81 SMA 138.59 ECC .22086 INC 2.4656 V1 30.281
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.671 GAP 1.57 A7P 91.48 TAL 241.90 TAP 8.71 RCA 107.98 APO 169.19 V2 35.023
 RC 88.823 GL 10.83 GP 13.12 ZAL 159.86 ZAP 102.47 ETS .37 ZAE 157.94 ETE 158.96 ZAC 31.67 ETC 171.51 CLP -102.81

PLANETOCENTRIC CONIC
 C3 42.352 VHL 6.508 DLA -11.08 RAL 291.12 RAD 6568.6 VEL 12.795 PTH 2.33 VHP 3.816 DPA -9.82 RAP 298.43 ECC 1.6970
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 25 2049.80 -15.26 31.31 162.84 114.15 2 28 35 1449.8 -11.87 24.27
 90.00 11 2 28 5395.80 27.98 247.27 170.17 85.44 12 32 24 4795.8 27.05 238.72
 100.00 3 10 12 1805.31 -16.57 12.71 162.21 115.24 3 40 17 1205.3 -13.04 5.70
 100.00 12 29 22 5115.53 29.42 226.51 170.02 84.45 13 54 37 4515.5 28.34 217.87
 110.00 4 5 51 1631.04 -20.05 357.64 160.37 118.29 4 33 2 1031.0 -16.11 350.73
 110.00 13 50 13 4862.56 33.28 206.75 169.47 81.70 15 11 15 4262.6 31.77 197.84

DIFFERENTIAL CORRECTIONS
 TDE .0335 TRA-1.1785 TC3 -.5598 BAU .3318 SGT 1284.3 SGR 447.1 SG3 361.3 ST 319.3 SR 336.0 SS 221.6
 RDE -.3755 RRA .2214 RC3 .1737 FAU .14111 RRT -.6696 RRF -.7131 RTF .8660 CRT -.2684 CRS .7073 CST -.8628
 FDE .4355 FRA-2.0076 FC3-2.8844 BSP 3602 SGB 1359.9 R23 .1265 R13 -.8753 LSA 429.1 MSA 281.8 SSA 20.4
 BDE .3770 BRA 1.1991 BC3 .5861 FSP -1151 SG1 1321.1 SG2 322.8 TMA 166.03 EL1 369.8 EL2 279.5 ALF 129.61

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 29.043 GAL -12.11 AZL 87.63 HCA 130.01 SMA 138.16 ECC .21916 INC 2.3719 V1 30.281
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.621 GAP 1.98 A7P 91.53 TAL 241.06 TAP 11.07 RCA 107.88 APO 168.44 V2 35.010
 RC 90.946 GL 10.54 GP 13.58 ZAL 159.58 ZAP 106.59 ETS 1.50 ZAE 155.06 ETE 160.08 ZAC 30.59 ETC 172.30 CLP -107.08

PLANETOCENTRIC CONIC
 C3 41.266 VHL 6.424 DLA -11.29 RAL 291.66 RAD 6568.6 VEL 12.753 PTH 2.32 VHP 3.851 DPA -9.52 RAP 297.31 ECC 1.6791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 21 2036.11 -14.88 30.49 162.95 114.37 2 32 17 1436.1 -11.46 23.47
 90.00 11 2 51 5396.39 27.98 247.31 170.31 85.46 12 32 47 4796.4 27.06 238.76
 100.00 3 14 0 1792.03 -16.19 11.91 162.32 115.48 3 43 52 1192.0 -12.63 4.93
 100.00 12 29 53 5115.71 29.42 226.52 170.16 84.46 13 55 8 4515.7 28.34 217.88
 110.00 4 9 22 1618.63 -19.64 356.90 160.46 118.55 4 36 21 1018.6 -15.68 350.03
 110.00 13 51 0 4861.86 33.27 206.70 169.61 81.67 15 12 2 4261.9 31.76 197.79

DIFFERENTIAL CORRECTIONS
 TDE .0370 TRA-1.2486 TC3 -.6478 BAU .3723 SGT 1408.4 SGR 448.8 SG3 356.7 ST 343.2 SR 324.0 SS 214.9
 RDE -.3567 RRA .2228 RC3 .1892 FAU .13814 RRT -.7009 RRF -.7416 RTF .8762 CRT -.2824 CRS .7046 CST -.8716
 FDE .4045 FRA-1.9203 FC3-2.8982 BSP 4025 SGB 1478.1 R23 .1341 R13 -.8841 LSA 434.9 MSA 281.8 SSA 20.4
 BDE .3587 BRA 1.2683 BC3 .6749 FSP -1134 SG1 1444.8 SG2 312.0 TMA 166.78 EL1 378.7 EL2 281.7 ALF 140.76

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 282.525

RL 147.13 LAL .00 LOL 94.01 VL 28.989 GAL -11.94 AZL 87.73 MCA 133.21 SMA 137.71 ECC .21750 INC 2.2691 V1 30.281
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.568 GAP 2.37 AZP 91.55 TAL 240.15 TAP 13.36 RCA 107.76 APO 167.67 V2 34.996
 RC 93.279 GL 10.21 GP 14.08 ZAL 159.27 ZAP 110.45 ETS 2.70 ZAE 152.37 ETE 160.82 ZAC 29.75 ETC 173.22 CLP-111.11

PLANETOCENTRIC CONIC

C3 40.164 VHL 6.338 DLA -11.54 RAL 292.26 RAD 6568.5 VEL 12.709 PTH 2.31 VHP 3.899 DPA -9.13 RAP 296.44 ECC 1.6610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 48 2020.92 -14.45 29.58 163.09 114.62 2 36 29 1420.9 -11.01 22.59
 90.00 11 3 9 5397.91 27.99 247.42 170.50 85.52 12 33 6 4797.9 27.07 238.87
 100.00 3 18 18 1777.32 -15.75 11.03 162.46 115.74 3 47 56 1177.3 -12.16 4.08
 100.00 12 30 19 5116.75 29.43 226.60 170.36 84.50 13 55 36 4516.8 28.35 217.96
 110.00 4 13 21 1604.94 -19.20 356.09 160.60 118.84 4 40 6 1004.9 -15.20 349.25
 110.00 13 51 46 4861.88 33.27 206.70 169.81 81.67 15 12 48 4261.9 31.76 197.79

DIFFERENTIAL CORRECTIONS

TDE .0364 TRA-1.3159 TC3 -.7390 BAU .4119
 RDE -.3363 RRA .2234 RC3 .2058 FAU .13463
 FDE .3640 FRA-1.8262 FC3-2.9019 BSP 4463
 BDE .3383 BRA 1.3347 BC3 .7671 FSP -1121

MID-COURSE EXECUTION ACCURACY

SGT 1533.8 SGR 450.6 SG3 350.7
 RRT -.7302 RRF -.7693 RTF .8837
 SGB 1598.6 R23 .1436 R13 -.8907
 SGI 1570.1 SG2 300.7 TMA 167.42

ORBIT DETERMINATION ACCURACY

ST 366.8 SR 310.4 SS 206.6
 CRT -.2876 CRS .6945 CST -.8805
 LSA 442.0 MSA 278.9 SSA 20.3
 EL1 391.6 EL2 278.5 ALF 150.13

LAUNCH DATE DEC 26 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 288.684

RL 147.13 LAL .00 LOL 94.01 VL 28.933 GAL -11.77 AZL 87.84 MCA 136.41 SMA 137.25 ECC .21587 INC 2.1550 V1 30.281
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.514 GAP 2.75 AZP 91.56 TAL 239.17 TAP 15.58 RCA 107.62 APO 166.87 V2 34.983
 RC 95.621 GL 9.81 GP 14.65 ZAL 158.94 ZAP 114.03 ETS 3.99 ZAE 149.85 ETE 161.25 ZAC 29.15 ETC 174.27 CLP-114.89

PLANETOCENTRIC CONIC

C3 39.046 VHL 6.249 DLA -11.84 RAL 292.91 RAD 6568.5 VEL 12.665 PTH 2.30 VHP 3.958 DPA -8.64 RAP 295.80 ECC 1.6426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 53 2003.83 -13.96 28.56 163.28 114.89 2 41 17 1403.8 -10.49 21.60
 90.00 11 3 15 5400.74 28.00 247.62 170.74 85.62 12 33 16 4800.7 27.10 239.07
 100.00 3 23 12 1760.80 -15.26 10.05 162.63 116.02 3 52 33 1160.8 -11.64 3.13
 100.00 12 30 37 5119.00 29.44 226.76 170.60 84.58 13 55 56 4519.0 28.38 218.12
 110.00 4 17 51 1589.66 -18.69 355.19 160.76 119.15 4 44 21 989.7 -14.66 348.39
 110.00 13 52 27 4862.90 33.28 206.77 170.06 81.71 15 13 30 4262.9 31.78 197.87

DIFFERENTIAL CORRECTIONS

TDE .0313 TRA-1.3792 TC3 -.8329 BAU .4501
 RDE -.3147 RRA .2229 RC3 .2234 FAU .13047
 FDE .3191 FRA-1.7231 FC3-2.8929 BSP 4900
 BDE .3162 BRA 1.3971 BC3 .8623 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 1659.4 SGR 452.5 SG3 343.0
 RRT -.7573 RRF -.7963 RTF .8891
 SGB 1720.0 R23 .1561 R13 -.8953
 SGI 1695.5 SG2 289.3 TMA 167.98

ORBIT DETERMINATION ACCURACY

ST 389.9 SR 295.4 SS 197.0
 CRT -.2851 CRS .6797 CST -.8881
 LSA 450.8 MSA 273.0 SSA 20.3
 EL1 407.2 EL2 271.2 ALF 157.31

LAUNCH DATE DEC 26 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 294.814

RL 147.13 LAL .00 LOL 94.01 VL 28.873 GAL -11.60 AZL 87.97 MCA 139.60 SMA 136.76 ECC .21428 INC 2.0268 V1 30.281
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.458 GAP 3.10 AZP 91.54 TAL 238.13 TAP 17.74 RCA 107.46 APO 166.07 V2 34.970
 RC 97.969 GL 9.35 GP 15.30 ZAL 158.57 ZAP 117.34 ETS 5.41 ZAE 147.51 ETE 161.42 ZAC 28.79 ETC 175.50 CLP-118.43

PLANETOCENTRIC CONIC

C3 37.910 VHL 6.157 DLA -12.20 RAL 293.62 RAD 6568.5 VEL 12.621 PTH 2.29 VHP 4.028 DPA -8.04 RAP 295.38 ECC 1.6239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 43 1984.30 -13.40 27.40 163.50 115.18 2 46 48 1384.3 -9.90 20.47
 90.00 11 3 4 5405.35 28.03 247.96 171.05 85.79 12 33 9 4805.4 27.15 239.40
 100.00 3 28 50 1741.98 -14.70 8.94 162.85 116.32 3 57 52 1142.0 -11.04 2.05
 100.00 12 30 39 5122.90 29.47 227.05 170.92 84.73 13 56 2 4522.9 28.43 218.40
 110.00 4 23 0 1572.35 -18.11 354.18 160.97 119.50 4 49 12 972.3 -14.05 347.43
 110.00 13 52 58 4865.30 33.31 206.96 170.39 81.82 15 14 3 4265.3 31.82 198.05

DIFFERENTIAL CORRECTIONS

TDE .0222 TRA-1.4368 TC3 -.9291 BAU .4866
 RDE -.2924 RRA .2208 RC3 .2418 FAU .12561
 FDE .2764 FRA-1.6075 FC3-2.8684 BSP 5316
 BDE .2932 BRA 1.4537 BC3 .9601 FSP -1068

MID-COURSE EXECUTION ACCURACY

SGT 1783.5 SGR 454.8 SG3 333.3
 RRT -.7814 RRF -.8225 RTF .8924
 SGB 1840.6 R23 .1728 R13 -.8982
 SGI 1819.4 SG2 278.2 TMA 168.46

ORBIT DETERMINATION ACCURACY

ST 412.3 SR 279.5 SS 186.8
 CRT -.2760 CRS .6659 CST -.8916
 LSA 461.1 MSA 264.6 SSA 20.3
 EL1 424.2 EL2 261.1 ALF 162.66

LAUNCH DATE DEC 26 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 300.917

RL 147.13 LAL .00 LOL 94.01 VL 28.812 GAL -11.41 AZL 88.12 MCA 142.80 SMA 136.27 ECC .21274 INC 1.8806 V1 30.281
 RP 108.41 LAP 1.14 LOP 236.82 VP 38.400 GAP 3.44 AZP 91.50 TAL 237.04 TAP 19.84 RCA 107.28 APO 165.26 V2 34.957
 RC 100.323 GL 8.79 GP 16.07 ZAL 158.18 ZAP 120.37 ETS 6.99 ZAE 145.33 ETE 161.35 ZAC 28.66 ETC 176.92 CLP-121.74

PLANETOCENTRIC CONIC

C3 36.760 VHL 6.063 DLA -12.64 RAL 294.39 RAD 6568.4 VEL 12.575 PTH 2.28 VHP 4.108 DPA -7.29 RAP 295.16 ECC 1.6050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 32 1961.61 -12.74 26.06 163.78 115.51 2 53 14 1361.6 -9.20 19.17
 90.00 11 2 24 5412.47 28.06 248.48 171.43 86.04 12 32 37 4812.5 27.22 239.91
 100.00 3 35 22 1720.18 -14.04 7.66 163.12 116.66 4 4 2 1120.2 -10.35 .81
 100.00 12 30 16 5129.13 29.51 227.51 171.30 84.97 13 55 45 4529.1 28.50 218.85
 110.00 4 28 56 1552.42 -17.44 353.03 161.22 119.87 4 54 48 952.4 -13.34 346.32
 110.00 13 53 11 4869.66 33.35 207.29 170.79 82.01 15 14 21 4269.7 31.88 198.37

DIFFERENTIAL CORRECTIONS

TDE .0064 TRA-1.4895 TC3-1.0296 BAU .5222
 RDE -.2685 RRA .2181 RC3 .2626 FAU .12066
 FDE .2241 FRA-1.4931 FC3-2.8416 BSP 5746
 BDE .2685 BRA 1.5054 BC3 1.0625 FSP -1041

MID-COURSE EXECUTION ACCURACY

SGT 1907.8 SGR 458.6 SG3 323.4
 RRT -.8043 RRF -.8483 RTF .8948
 SGB 1962.1 R23 .1921 R13 -.9003
 SGI 1943.8 SG2 267.5 TMA 168.84

ORBIT DETERMINATION ACCURACY

ST 434.4 SR 261.7 SS 175.2
 CRT -.2579 CRS .6364 CST -.8994
 LSA 472.7 MSA 253.0 SSA 20.3
 EL1 442.1 EL2 248.4 ALF 167.00

LAUNCH DATE DEC 26 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 28.749 GAL -11.22 AZL 88.29 HCA 145.99 SMA 135.76 ECC .21124 INC 1.7114 V1 30.281
 RP 108.44 LAP .96 LOP 240.01 VP 38.341 GAP 3.77 AZP 91.42 TAL 235.90 TAP 21.88 RCA 107.08 APO 164.44 V2 34.945
 RC 102.682 GL 8.12 GP 17.00 ZAL 157.77 ZAP 123.12 ETS 8.76 ZAE 143.28 ETE 161.04 ZAC 28.75 ETC 178.57 CLP-124.84

PLANETOCENTRIC CONIC
 C3 35.595 VHL 5.966 DLA -13.18 RAL 295.23 RAD 6568.4 VEL 12.529 PTH 2.27 VHP 4.197 DPA -6.36 RAP 295.13 ECC 1.5858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 36 1934.73 -11.94 24.49 164.11 115.07 3 0 51 1334.7 -8.37 17.63
 90.00 11 1 2 5423.07 28.11 249.25 171.91 86.43 12 31 25 4823.1 27.32 240.67
 100.00 3 43 5 1694.44 -13.25 6.16 163.45 117.04 4 11 19 1094.4 -9.51 359.35
 100.00 12 29 15 5138.60 29.56 228.21 171.79 85.34 13 54 53 4538.6 28.60 219.53
 110.00 4 35 53 1529.07 -16.65 351.69 161.52 120.30 5 1 22 929.1 -12.50 345.04
 110.00 13 52 56 4876.73 33.41 207.83 171.30 82.33 15 14 13 4276.7 31.99 198.89

MID-COURSE EXECUTION ACCURACY
 SGT 2029.6 SGR 463.8 SG3 312.0
 RRT -.8243 RRF -.8730 RTF .8958
 SGB 2081.9 R23 .2163 R13 -.9012
 SG1 2065.8 SG2 258.0 THA 169.16

ORBIT DETERMINATION ACCURACY
 ST 456.1 SR 242.7 SS 163.0
 CRT -.2322 CRS .6000 CST -.9064
 LSA 485.9 MSA 238.8 SSA 20.3
 EL1 460.8 EL2 233.6 ALF 170.49

DIFFERENTIAL CORRECTIONS
 TOE -.0153 TRA-1.5346 TC3-1.1330 BAU .5560
 ROE -.2437 RRA .2138 RC3 .2852 FAU .11522
 FDE .1724 FRA-1.3705 FC3-2.8025 BSP 6149
 BDE .2442 BRA 1.5494 BC3 1.1683 FSP -1002

LAUNCH DATE DEC 26 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 28.684 GAL -11.03 AZL 88.49 HCA 149.17 SMA 135.25 ECC .20978 INC 1.5119 V1 30.281
 RP 108.48 LAP .77 LOP 243.20 VP 38.281 GAP 4.08 AZP 91.30 TAL 234.70 TAP 23.88 RCA 106.87 APO 163.62 V2 34.932
 RC 105.043 GL 7.27 GP 18.12 ZAL 157.33 ZAP 125.58 ETS 10.80 ZAE 141.32 ETE 160.48 ZAC 29.07 ETC 180.50 CLP-127.75

PLANETOCENTRIC CONIC
 C3 34.418 VHL 5.867 DLA -13.88 RAL 296.14 RAD 6568.4 VEL 12.482 PTH 2.26 VHP 4.297 DPA -5.21 RAP 295.26 ECC 1.5664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 21 1902.16 -10.97 22.59 164.52 116.27 3 10 3 1302.2 -7.35 15.78
 90.00 10 58 37 5438.65 28.17 250.39 172.50 86.99 12 29 16 4838.7 27.46 241.79
 100.00 3 52 22 1663.37 -12.28 4.36 163.85 117.47 4 20 5 1063.4 -8.50 357.60
 100.00 12 27 17 5152.68 29.63 229.25 172.40 85.88 13 53 10 4552.7 28.75 220.56
 110.00 4 44 10 1501.13 -15.68 350.10 161.89 120.77 5 9 11 901.1 -11.48 343.51
 110.00 13 51 59 4887.68 33.51 208.67 171.95 82.81 15 13 26 4287.7 32.15 199.71

MID-COURSE EXECUTION ACCURACY
 SGT 2151.7 SGR 472.0 SG3 300.5
 RRT -.8426 RRF -.8969 RTF .8965
 SGB 2202.9 R23 .2435 R13 -.9019
 SG1 2188.6 SG2 249.9 THA 169.39

ORBIT DETERMINATION ACCURACY
 ST 478.9 SR 221.3 SS 150.1
 CRT -.1956 CRS .5319 CST -.9221
 LSA 501.8 MSA 220.5 SSA 20.5
 EL1 481.3 EL2 216.0 ALF 173.53

DIFFERENTIAL CORRECTIONS
 TOE -.0467 TRA-1.5729 TC3-1.2421 BAU .5892
 ROE -.2170 RRA .2088 RC3 .3117 FAU .10982
 FDE .1099 FRA-1.2508 FC3-2.7623 BSP 6573
 BDE .2219 BRA 1.5867 BC3 1.2806 FSP -969

LAUNCH DATE DEC 26 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 28.618 GAL -10.82 AZL 88.73 HCA 152.36 SMA 134.73 ECC .20838 INC 1.2716 V1 30.281
 RP 108.52 LAP .59 LOP 246.38 VP 38.221 GAP 4.37 AZP 91.13 TAL 233.47 TAP 25.82 RCA 106.65 APO 162.80 V2 34.920
 RC 107.406 GL 6.21 GP 19.52 ZAL 156.85 ZAP 127.72 ETS 13.17 ZAE 139.43 ETE 159.64 ZAC 29.61 ETC 182.78 CLP-130.48

PLANETOCENTRIC CONIC
 C3 33.233 VHL 5.765 DLA -14.78 RAL 297.16 RAD 6568.3 VEL 12.434 PTH 2.25 VHP 4.410 DPA -3.76 RAP 295.50 ECC 1.5469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 28 1861.63 -9.74 20.25 165.05 116.72 3 21 30 1261.6 -6.07 13.49
 90.00 10 54 35 5461.51 28.24 252.05 173.25 87.83 12 25 37 4861.5 27.64 243.44
 100.00 4 3 50 1624.89 -11.06 2.15 164.35 117.95 4 30 55 1024.9 -7.23 355.45
 100.00 12 23 54 5173.48 29.72 230.79 173.17 86.68 13 50 7 4573.5 28.95 222.07
 110.00 4 54 17 1466.87 -14.48 348.17 162.36 121.31 5 18 44 866.9 -10.23 341.65
 110.00 13 49 56 4904.27 33.64 209.95 172.78 83.56 15 11 40 4304.3 32.39 200.94

MID-COURSE EXECUTION ACCURACY
 SGT 2273.3 SGR 483.9 SG3 288.4
 RRT -.8578 RRF -.9191 RTF .8966
 SGB 2324.2 R23 .2743 R13 -.9021
 SG1 2311.3 SG2 244.6 THA 169.53

ORBIT DETERMINATION ACCURACY
 ST 504.2 SR 197.5 SS 138.2
 CRT -.1476 CRS .4225 CST -.9450
 LSA 522.2 MSA 198.0 SSA 20.8
 EL1 505.2 EL2 194.9 ALF 176.11

DIFFERENTIAL CORRECTIONS
 TOE -.0897 TRA-1.6022 TC3-1.3570 BAU .6218
 ROE -.1881 RRA .2023 RC3 .3425 FAU .10420
 FDE .0400 FRA-1.1288 FC3-2.7144 BSP 7001
 BDE .2084 BRA 1.6149 BC3 1.3995 FSP -935

LAUNCH DATE DEC 26 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 28.551 GAL -10.61 AZL 89.03 HCA 155.54 SMA 134.20 ECC .20703 INC .9741 V1 30.281
 RP 108.56 LAP .40 LOP 249.56 VP 38.160 GAP 4.65 AZP 90.89 TAL 232.18 TAP 27.72 RCA 106.42 APO 161.99 V2 34.909
 RC 109.770 GL 4.84 GP 21.29 ZAL 156.33 ZAP 129.50 ETS 15.99 ZAE 137.53 ETE 158.47 ZAC 30.39 ETC 185.48 CLP-133.05

PLANETOCENTRIC CONIC
 C3 32.048 VHL 5.661 DLA -15.98 RAL 298.29 RAD 6568.3 VEL 12.386 PTH 2.24 VHP 4.539 DPA -1.94 RAP 295.83 ECC 1.5274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 3 1809.48 -8.13 17.27 165.75 117.22 3 36 12 1209.5 -4.41 10.55
 90.00 10 48 2 5495.38 28.30 254.53 174.23 89.07 12 19 38 4895.4 27.87 245.89
 100.00 4 18 31 1575.65 -9.47 359.36 165.03 118.48 4 44 46 975.7 -5.60 352.71
 100.00 12 18 16 5204.44 29.82 233.08 174.18 87.89 13 45 0 4604.4 29.21 224.33
 110.00 5 7 4 1423.58 -12.93 345.77 162.98 121.92 5 30 47 825.6 -8.62 339.33
 110.00 13 46 12 4929.28 33.82 211.88 173.88 84.69 15 8 21 4329.3 32.71 202.82

MID-COURSE EXECUTION ACCURACY
 SGT 2391.2 SGR 499.7 SG3 274.6
 RRT -.8688 RRF -.9390 RTF .8959
 SGB 2442.8 R23 .3080 R13 -.9017
 SG1 2430.7 SG2 243.4 THA 169.61

ORBIT DETERMINATION ACCURACY
 ST 534.6 SR 170.7 SS 129.4
 CRT -.0906 CRS .2610 CST -.9698
 LSA 549.5 MSA 171.2 SSA 21.4
 EL1 534.9 EL2 170.0 ALF 178.16

DIFFERENTIAL CORRECTIONS
 TOE -.1466 TRA-1.6186 TC3-1.4759 BAU .6527
 ROE -.1570 RRA .1933 RC3 .3778 FAU .09806
 FDE -.0355 FRA -.9991 FC3-2.6490 BSP 7385
 BDE .2148 BRA 1.6301 BC3 1.5234 FSP -887

LAUNCH DATE DEC 26 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 331.071

RL 147.13 LAL .00 LOL 94.01 VL 28.483 GAL -10.39 AZL 89.41 MCA 158.72 SMA 133.68 ECC .20575 INC .5947 V1 30.281
 RP 108.59 LAP .22 LOP 252.73 VP 38.099 GAP 4.92 AZP 90.55 TAL 230.87 TAP 29.58 RCA 106.18 APO 161.19 V2 34.897
 RC 112.133 GL 3.00 GP 23.57 ZAL 155.72 ZAP 130.83 ETS 19.38 ZAE 135.53 ETE 156.92 ZAC 31.45 ETC 188.74 CLP-135.50

PLANETOCENTRIC CONIC

C3 30.886 VHL 5.558 DLA -17.60 RAL 299.59 RAD 6568.2 VEL 12.339 PTH 2.23 VHP 4.693 DPA .41 RAP 296.19 ECC 1.5083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 6 1739.31 -5.92 13.29 166.76 117.74 3 56 5 1139.3 -2.16 6.63
 90.00 10 37 20 5546.96 28.30 258.30 175.53 90.96 12 9 47 4947.0 28.14 249.64
 100.00 4 38 10 1509.97 -7.32 355.67 166.00 119.06 5 3 20 910.0 -3.39 349.09
 100.00 12 8 56 5251.54 29.89 236.58 175.54 89.73 13 36 28 4651.5 29.53 227.80
 110.00 5 23 53 1366.77 -10.87 342.67 163.85 122.61 5 46 39 766.8 -6.49 336.31
 110.00 13 39 43 4967.50 34.02 214.85 175.38 86.44 15 2 31 4367.5 33.15 205.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2279 TRA-1.6222 TC3-1.6028 BAU .6843 SGT 2511.5 SGR 522.6 SG3 260.2 ST 578.9 SR 138.4 SS 131.4
 ROE -.1206 RRA .1823 RC3 .4208 FAU .09172 RRT -.8762 RRF -.9565 RTF .8955 CRT -.0333 CRS .0264 CST -.9844
 FOE -.1303 FRA -.8699 FC3-2.5709 BSP 7818 SGB 2565.3 R23 .3405 R13 -.9018 LSA 593.2 MSA 138.4 SSA 22.6
 BOE .2578 BRA 1.6324 BC3 1.6571 FSP -845 SG1 2553.3 SG2 247.8 THA 169.57 EL1 578.9 EL2 138.4 ALF 179.52

LAUNCH DATE DEC 26 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 337.038

RL 147.13 LAL .00 LOL 94.01 VL 28.415 GAL -10.17 AZL 89.91 MCA 161.89 SMA 133.16 ECC .20452 INC .0885 V1 30.281
 RP 108.63 LAP .03 LOP 255.91 VP 38.037 GAP 5.18 AZP 90.08 TAL 229.51 TAP 31.40 RCA 105.93 APO 160.39 V2 34.886
 RC 114.493 GL .46 GP 26.58 ZAL 154.93 ZAP 131.54 ETS 23.53 ZAE 135.28 ETE 154.88 ZAC 32.87 ETC 192.75 CLP-137.86

PLANETOCENTRIC CONIC

C3 29.792 VHL 5.458 DLA -19.90 RAL 301.12 RAD 6568.2 VEL 12.295 PTH 2.21 VHP 4.888 DPA 3.50 RAP 296.49 ECC 1.4903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 42 1638.52 -2.70 7.63 168.35 118.20 4 25 0 1038.5 1.09 1.00
 90.00 10 18 59 5629.66 28.06 264.34 177.32 93.98 11 52 49 5029.7 28.32 255.68
 100.00 5 6 22 1416.93 -4.21 350.51 167.52 119.62 5 29 59 816.9 -.24 343.98
 100.00 11 53 1 5326.48 29.78 242.15 177.43 92.66 13 21 47 4726.5 29.84 233.35
 110.00 5 47 24 1288.34 -7.96 338.45 165.21 123.35 6 8 52 688.3 -3.52 332.18
 110.00 13 28 28 5027.83 34.18 219.55 177.52 89.22 14 52 16 4427.8 33.69 210.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3414 TRA-1.6041 TC3-1.7309 BAU .7145 SGT 2627.9 SGR 552.7 SG3 242.9 ST 648.3 SR 99.5 SS 152.3
 ROE -.0772 RRA .1664 RC3 .4710 FAU .08445 RRT -.8780 RRF -.9707 RTF .8948 CRT -.0275 CRS -.1568 CST -.9684
 FOE -.2408 FRA -.7294 FC3-2.4542 BSP 8206 SGB 2685.4 R23 .3704 R13 -.9017 LSA 664.9 MSA 103.4 SSA 24.1
 BOE .3500 BRA 1.6127 BC3 1.7938 FSP -787 SG1 2672.7 SG2 260.1 THA 169.44 EL1 648.3 EL2 99.5 ALF 179.75

LAUNCH DATE DEC 26 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 342.985

RL 147.13 LAL .00 LOL 94.01 VL 28.346 GAL -9.94 AZL 90.62 MCA 165.07 SMA 132.64 ECC .20335 INC .6222 V1 30.281
 RP 108.66 LAP -.16 LOP 259.08 VP 37.976 GAP 5.43 AZP 89.40 TAL 228.11 TAP 33.18 RCA 105.67 APO 159.61 V2 34.875
 RC 116.852 GL -3.24 GP 30.68 ZAL 153.70 ZAP 131.36 ETS 28.65 ZAE 130.53 ETE 152.27 ZAC 34.84 ETC 197.78 CLP-140.21

PLANETOCENTRIC CONIC

C3 28.891 VHL 5.375 DLA -23.29 RAL 303.06 RAD 6568.2 VEL 12.258 PTH 2.21 VHP 5.158 DPA 7.67 RAP 296.60 ECC 1.4755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 33 1475.08 2.57 358.51 171.30 118.21 5 13 8 875.1 6.32 351.84
 90.00 9 43 36 5777.73 26.90 275.01 179.74 99.20 11 19 53 5177.7 27.90 266.49
 100.00 5 51 48 1270.90 .73 342.49 170.28 119.88 6 12 59 670.9 4.70 335.95
 100.00 11 23 2 5457.13 28.98 251.77 180.09 97.66 12 53 59 4857.1 29.74 243.05
 110.00 6 23 32 1171.44 -3.54 332.29 167.61 124.02 6 43 3 571.4 .95 326.08
 110.00 13 7 48 5129.36 33.99 227.47 180.68 93.90 14 33 17 4529.4 34.15 218.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5134 TRA-1.5568 TC3-1.8553 BAU .7453 SGT 2746.2 SGR 593.9 SG3 222.5 ST 772.5 SR 56.5 SS 205.2
 ROE -.0189 RRA .1435 RC3 .5300 FAU .07612 RRT -.8744 RRF -.9813 RTF .8950 CRT -.3905 CRS .1201 CST -.9465
 FOE -.3820 FRA -.5801 FC3-2.2809 BSP 8628 SGB 2809.7 R23 .3922 R13 -.9028 LSA 797.0 MSA 79.7 SSA 22.7
 BOE .5137 BRA 1.5634 BC3 1.9295 FSP -725 SG1 2795.4 SG2 283.1 THA 169.18 EL1 772.9 EL2 52.0 ALF 178.36

LAUNCH DATE DEC 26 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 348.912

RL 147.13 LAL .00 LOL 94.01 VL 28.277 GAL -9.70 AZL 91.71 MCA 168.23 SMA 132.12 ECC .20225 INC 1.7067 V1 30.281
 RP 108.69 LAP -.35 LOP 262.25 VP 37.915 GAP 5.67 AZP 88.33 TAL 226.69 TAP 34.92 RCA 105.40 APO 158.84 V2 34.865
 RC 119.206 GL -8.94 GP 36.50 ZAL 151.38 ZAP 129.75 ETS 34.99 ZAE 126.76 ETE 149.01 ZAC 37.73 ETC 204.19 CLP-142.70

PLANETOCENTRIC CONIC

C3 28.547 VHL 5.343 DLA -28.58 RAL 305.77 RAD 6568.1 VEL 12.244 PTH 2.20 VHP 5.580 DPA 13.51 RAP 296.24 ECC 1.4698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.99 6 53 15 1088.38 17.58 337.76 180.19 112.90 7 11 23 488.4 20.53 330.31
 94.01 8 0 33 870.40 17.59 321.80 180.19 112.89 8 15 3 270.4 20.54 314.35
 100.00 7 33 52 956.49 11.17 324.98 177.05 117.91 7 49 49 356.5 14.81 318.09
 100.00 10 2 36 5765.56 24.24 273.41 182.85 108.05 11 38 42 5165.6 26.48 265.32
 110.00 7 30 10 968.14 4.22 321.67 172.85 123.95 7 46 18 368.1 8.65 315.38
 110.00 12 22 48 5326.68 32.05 242.52 185.27 102.58 13 51 35 4726.7 33.45 233.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.7934 TRA-1.4586 TC3-1.9449 BAU .7755 SGT 2866.2 SGR 646.2 SG3 196.0 ST 1006.6 SR 84.4 SS 300.4
 ROE .0676 RRA .1058 RC3 .5887 FAU .06568 RRT -.8633 RRF -.9875 RTF .8972 CRT -.9843 CRS .9637 CST -.9506
 FOE -.5605 FRA -.4133 FC3-1.9919 BSP 9073 SGB 2938.2 R23 .4024 R13 -.9061 LSA 1050.0 MSA 89.9 SSA 12.7
 BOE .7963 BRA 1.4624 BC3 2.0320 FSP -643 SG1 2920.7 SG2 320.0 THA 168.85 EL1 1010.0 EL2 14.9 ALF 175.28

LAUNCH DATE DEC 26 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 354.817

RL 147.13 LAL .00 LOL 94.01 VL 28.207 GAL -9.45 AZL 93.57 HCA 171.39 SMA 131.61 ECC .20120 INC 3.5721 V1 30.281
 RP 108.72 LAP -.53 LOP 265.42 VP 37.854 GAP 5.90 AZP 86.47 TAL 225.23 TAP 36.62 RCA 105.13 APO 158.09 V2 34.856
 RC 121.557 GL -18.43 GP 45.10 ZAL 146.21 ZAP 125.73 ETS 42.84 ZAE 121.02 ETE 145.35 ZAC 42.29 ETC 212.50 CLP-145.81

PLANETOCENTRIC CONIC

C3 30.084 VHL 5.485 DLA -37.38 RAL 310.37 RAD 6568.2 VEL 12.307 PTH 2.22 VMP 6.372 DPA 21.99 RAP 294.80 ECC 1.4951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.51 4 45 6 1559.88 22.08 16.00 188.28 120.96 5 11 5 959.9 26.02 8.79
 115.49 10 45 23 5713.19 22.10 268.34 188.28 120.95 12 20 36 5113.2 26.03 261.12
 64.51 4 45 6 1559.88 22.08 16.00 188.28 120.96 5 11 5 959.9 26.02 8.79
 115.49 10 45 23 5713.19 22.10 268.34 188.28 120.95 12 20 36 5113.2 26.03 261.12
 64.51 4 45 6 1559.88 22.08 16.00 188.28 120.96 5 11 5 959.9 26.02 8.79
 115.49 10 45 23 5713.19 22.10 268.34 188.28 120.95 12 20 36 5113.2 26.03 261.12

DIFFERENTIAL CORRECTIONS

TDE-1.3122 TRA-1.2518 TC3-1.8939 BAU .7994
 RDE .2113 RRA .0321 RC3 .6033 FAU .05165
 FDE -.7781 FRA -.2182 FC3-1.4862 BSP 9464
 BDE 1.3291 BRA 1.2522 BC3 1.9877 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 2983.8 SGR 698.9 SG3 159.3
 RRT -.8377 RRF -.9857 RTF .9038
 SGB 3064.6 R23 .3962 R13 -.9138
 SG1 3041.6 SG2 374.5 TMA 168.73

ORBIT DETERMINATION ACCURACY

ST 1458.2 SR 222.0 SS 450.8
 CRT -.9578 CRS .9984 CST -.9712
 LSA 1537.8 MSA 118.4 SSA 5.1
 EL1 1473.7 EL2 63.2 ALF 171.69

LAUNCH DATE DEC 26 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 360.687

RL 147.13 LAL .00 LOL 94.01 VL 28.138 GAL -9.19 AZL 97.56 HCA 174.53 SMA 131.10 ECC .20018 INC 7.5633 V1 30.281
 RP 108.75 LAP -.72 LOP 268.59 VP 37.794 GAP 6.11 AZP 82.47 TAL 223.73 TAP 38.26 RCA 104.85 APO 157.34 V2 34.846
 RC 123.903 GL -35.09 GP 58.23 ZAL 134.04 ZAP 117.68 ETS 53.27 ZAE 111.29 ETE 143.31 ZAC 49.83 ETC 224.16 CLP-151.92

PLANETOCENTRIC CONIC

C3 40.452 VHL 6.360 DLA -52.30 RAL 321.61 RAD 6568.6 VEL 12.721 PTH 2.31 VMP 8.319 DPA 34.63 RAP 290.26 ECC 1.6657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.00 4 9 11 1848.26 25.66 45.33 209.80 137.28 4 39 59 1248.3 31.40 39.39
 136.00 12 50 58 5574.19 25.67 258.97 209.81 137.27 14 23 52 4974.2 31.41 253.03
 44.00 4 9 11 1848.26 25.66 45.33 209.80 137.28 4 39 59 1248.3 31.40 39.39
 136.00 12 50 58 5574.19 25.67 258.97 209.81 137.27 14 23 52 4974.2 31.41 253.03
 44.00 4 9 11 1848.26 25.66 45.33 209.80 137.28 4 39 59 1248.3 31.40 39.39
 136.00 12 50 58 5574.19 25.67 258.97 209.81 137.27 14 23 52 4974.2 31.41 253.03

DIFFERENTIAL CORRECTIONS

TDE-2.5624 TRA -.7480 TC3-1.4054 BAU .7943
 RDE .4300 RRA -.1338 RC3 .4263 FAU .03310
 FDE-1.0294 FRA .0051 FC3 -.7083 BSP 9933
 BDE 2.5982 BRA .7599 BC3 1.4687 FSP -366

MID-COURSE EXECUTION ACCURACY

SGT 3120.7 SGR 694.9 SG3 111.7
 RRT -.7592 RRF -.9452 RTF .9276
 SGB 3197.1 R23 .3475 R13 -.9364
 SG1 3165.9 SG2 445.8 TMA 170.21

ORBIT DETERMINATION ACCURACY

ST 2332.5 SR 392.1 SS 666.8
 CRT -.9571 CRS .9889 CST -.9895
 LSA 2453.3 MSA 142.5 SSA 1.7
 EL1 2362.6 EL2 112.2 ALF 170.84

LAUNCH DATE DEC 26 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 366.448

RL 147.13 LAL .00 LOL 94.01 VL 28.069 GAL -8.90 AZL 111.78 HCA 177.57 SMA 130.60 ECC .19898 INC21.7784 V1 30.281
 RP 108.78 LAP -.90 LOP 271.76 VP 37.735 GAP 6.29 AZP 68.24 TAL 222.15 TAP 39.72 RCA 104.61 APO 156.58 V2 34.838
 RC 126.245 GL -58.82 GP 75.60 ZAL 110.80 ZAP 104.08 ETS 89.25 ZAE 92.18 ETE 168.77 ZAC 61.45 ETC 263.07 CLP 167.91

PLANETOCENTRIC CONIC

C3 144.630 VHL 12.026 DLA -66.26 RAL 5.63 RAD 6570.6 VEL 16.308 PTH 2.86 VMP 16.387 DPA 51.58 RAP 271.03 ECC 3.3802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.21 6 21 18 2219.99 12.34 70.95 270.10 155.67 6 58 18 1620.0 19.61 67.88
 152.79 16 30 4 5780.79 12.35 263.49 270.12 155.66 18 6 25 5180.8 19.61 260.41
 27.21 6 21 18 2219.99 12.34 70.95 270.10 155.67 6 58 18 1620.0 19.61 67.88
 152.79 16 30 4 5780.79 12.35 263.49 270.12 155.66 18 6 25 5180.8 19.61 260.41
 27.21 6 21 18 2219.99 12.34 70.95 270.10 155.67 6 58 18 1620.0 19.61 67.88
 152.79 16 30 4 5780.79 12.35 263.49 270.12 155.66 18 6 25 5180.8 19.61 260.41

DIFFERENTIAL CORRECTIONS

TDE-5.2498 TRA 1.4373 TC3 -.2190 BAU .4238
 RDE-2.3706 RRA .1877 RC3 -.0074 FAU .00959
 FDE-1.1125 FRA .3881 FC3 -.0574 BSP 9358
 BDE 5.7602 BRA 1.4495 BC3 .2192 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 3070.3 SGR 1151.2 SG3 61.8
 RRT .9088 RRF .8544 RTF .9932
 SGB 3279.1 R23 -.1636 R13 .9864
 SG1 3247.4 SG2 454.2 TMA 19.21

ORBIT DETERMINATION ACCURACY

ST 2552.7 SR 1131.4 SS 775.4
 CRT .9899 CRS -.9809 CST -.9986
 LSA 2893.6 MSA 157.7 SSA .5
 EL1 2788.3 EL2 147.1 ALF 23.76

LAUNCH DATE DEC 26 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 373.005

RL 147.13 LAL .00 LOL 94.01 VL 27.999 GAL -8.78 AZL 40.06 HCA 181.41 SMA 130.10 ECC .20008 INC49.9383 V1 30.281
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.676 GAP 6.70 AZP 139.93 TAL 220.94 TAP 42.35 RCA 104.07 APO 156.13 V2 34.830
 RC 128.581 GL 58.14 GP -69.64 ZAL 99.70 ZAP 98.42 ETS 197.50 ZAE 71.38 ETE 122.94 ZAC 92.27 ETC 30.86 CLP 114.88

PLANETOCENTRIC CONIC

C3 621.736 VHL 24.935 DLA 46.58 RAL 317.99 RAD 6572.6 VEL 27.259 PTH 3.40 VMP 29.055 DPA -65.31 RAP 148.31 ECC11.2322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.33 16 17 1 4901.04 -1.03 227.35 227.03 43.43 17 38 42 4301.0 -6.83 222.23
 128.67 0 14 15 3455.21 -1.01 114.72 227.01 43.43 1 11 50 2855.2 -6.81 109.61
 51.33 16 17 1 4901.04 -1.03 227.35 227.03 43.43 17 38 42 4301.0 -6.83 222.23
 128.67 0 14 15 3455.21 -1.01 114.72 227.01 43.43 1 11 50 2855.2 -6.81 109.61
 51.33 16 17 1 4901.04 -1.03 227.35 227.03 43.43 17 38 42 4301.0 -6.83 222.23
 128.67 0 14 15 3455.21 -1.01 114.72 227.01 43.43 1 11 50 2855.2 -6.81 109.61

DIFFERENTIAL CORRECTIONS

TDE 1.0667 TRA 1.5679 TC3 -.0354 BAU 1.3884
 RDE-12.1754 RRA 3.8057 RC3 -.1632 FAU-.01790
 FDE 2.2832 FRA -.5565 FC3 .0249 BSP 8044
 BDE12.2220 BRA 4.1160 BC3 .1670 FSP -134

MID-COURSE EXECUTION ACCURACY

SGT 605.0 SGR 3179.4 SG3 49.3
 RRT .0649 RRF -.9957 RTF .0264
 SGB 3236.4 R23 -.0937 R13 -.9955
 SG1 3179.6 SG2 603.7 TMA 89.27

ORBIT DETERMINATION ACCURACY

ST 291.3 SR 2823.7 SS 1324.5
 CRT -.7607 CRS .9996 CST -.7796
 LSA 3126.7 MSA 190.7 SSA .6
 EL1 2832.4 EL2 188.5 ALF 94.51

LAUNCH DATE DEC 26 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 378.551

RL 147.13 LAL .00 LOL 94.01 VL 27.930 GAL -8.44 AZL 72.84 HCA 184.26 SMA 129.61 ECC .19854 INC17.1640 V1 30.281
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.618 GAP 6.81 A7P 107.12 TAL 219.23 TAP 43.49 RCA 103.88 APO 155.34 V2 34.822
 RC 130.911 GL 55.54 GP -63.17 ZAL 114.03 ZAP 115.39 ETS 284.04 ZAE 101.30 ETE 202.85 ZAC 81.03 ETC 114.09 CLP-161.78

PLANETOCENTRIC CONIC

C3 97.776 VHL 9.888 DLA 37.29 RAL 301.89 RAD 6569.9 VEL 14.803 PTH 2.68 VHP 10.103 DPA -81.46 RAP .62 ECC 2.6091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.66 16 10 9 4486.95 -11.29 200.47 196.71 54.22 17 24 56 3887.0 -15.88 194.15
 115.34 22 8 42 3357.28 -11.27 115.30 196.70 54.22 23 4 40 2757.3 -15.87 108.97
 64.66 16 10 9 4486.95 -11.29 200.47 196.71 54.22 17 24 56 3887.0 -15.88 194.15
 115.34 22 8 42 3357.28 -11.27 115.30 196.70 54.22 23 4 40 2757.3 -15.87 108.97
 64.66 16 10 9 4486.95 -11.29 200.47 196.71 54.22 17 24 56 3887.0 -15.88 194.15
 115.34 22 8 42 3357.28 -11.27 115.30 196.70 54.22 23 4 40 2757.3 -15.87 108.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.0160 TRA-3.2584 TC3 -.4624 BAU .6045 SGT 3447.2 SGR 656.8 SG3 89.1 ST 2433.6 SR 229.5 SS 720.4
 RDE -.2129 RRA .8857 RC3 -.0031 FAU .02259 RRT -.8005 RRF -.6192 RTF .9658 CRT -.7607 CRS .6814 CST -.9934
 FDE 1.4005 FRA -.6848 FC3 -.2000 BSP 10727 SGB 3509.2 R23 -.2734 R13 -.9612 LSA 2542.7 MSA 169.7 SSA 1.0
 BDE 4.0216 BRA 3.3766 BC3 .4624 FSP -298 SG1 3487.5 SG2 389.1 TMA 171.22 EL1 2439.9 EL2 148.6 ALF 175.88

LAUNCH DATE DEC 26 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 384.352

RL 147.13 LAL .00 LOL 94.01 VL 27.862 GAL -8.15 AZL 78.80 HCA 187.38 SMA 129.13 ECC .19782 INC11.2019 V1 30.281
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.561 GAP 6.99 A7P 101.11 TAL 217.62 TAP 44.99 RCA 103.58 APO 154.67 V2 34.816
 RC 133.236 GL 46.73 GP -46.60 ZAL 121.79 ZAP 128.43 ETS 299.64 ZAE 113.82 ETE 208.47 ZAC 71.15 ETC 129.03 CLP-154.77

PLANETOCENTRIC CONIC

C3 54.142 VHL 7.358 DLA 28.11 RAL 302.52 RAD 6569.0 VEL 13.248 PTH 2.42 VHP 7.170 DPA -65.46 RAP 331.83 ECC 1.8910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 19 41 53 3687.05 -15.72 142.55 188.53 66.14 20 43 20 3087.1 -18.82 135.24
 90.00 18 42 1 3881.36 -10.06 154.01 185.79 63.39 19 46 43 3281.4 -13.56 147.08
 100.00 21 59 45 3242.58 -21.46 112.37 191.05 68.68 22 53 48 2642.6 -24.17 104.62
 100.00 19 6 51 3801.07 -4.58 145.18 182.84 60.43 20 10 12 3201.1 -8.48 138.57
 110.00 0 17 36 2823.45 -29.50 83.74 194.23 71.90 1 4 39 2223.5 -31.69 75.21
 110.00 19 9 25 3792.96 2.68 140.06 178.34 55.91 20 12 38 3193.0 -1.81 133.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5331 TRA-2.8700 TC3 -1.0727 BAU .7794 SGT 3578.0 SGR 332.7 SG3 135.8 ST 2114.4 SR 220.2 SS 680.9
 RDE .2700 RRA .2474 RC3 -.0932 FAU .04056 RRT .0653 RRF .4248 RTF .9283 CRT .7839 CRS -.8901 CST -.9807
 FDE 1.3905 FRA -.7065 FC3 -.6485 BSP 11170 SGB 3593.4 R23 .3645 R13 .9285 LSA 2224.6 MSA 183.9 SSA 1.8
 BDE 2.5474 BRA 2.8806 BC3 1.0767 FSP -456 SG1 3578.0 SG2 332.0 TMA .35 EL1 2121.4 EL2 136.3 ALF 4.69

LAUNCH DATE DEC 26 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 390.174

RL 147.13 LAL .00 LOL 94.01 VL 27.794 GAL -7.86 AZL 81.22 HCA 190.52 SMA 128.65 ECC .19729 INC 8.7794 V1 30.281
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.504 GAP 7.18 A7P 98.63 TAL 216.00 TAP 46.52 RCA 103.27 APO 154.03 V2 34.809
 RC 135.553 GL 41.03 GP -35.67 ZAL 125.60 ZAP 136.98 ETS 307.17 ZAE 120.45 ETE 205.63 ZAC 65.52 ETC 136.21 CLP-154.15

PLANETOCENTRIC CONIC

C3 40.977 VHL 6.401 DLA 22.62 RAL 304.23 RAD 6568.6 VEL 12.741 PTH 2.32 VHP 6.269 DPA -54.37 RAP 327.42 ECC 1.6744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 55 46 3188.22 -26.25 109.92 187.36 78.97 22 48 54 2988.2 -27.50 101.47
 90.00 16 41 47 4240.73 1.35 174.25 177.39 61.71 17 52 28 3640.7 -2.44 167.62
 100.00 23 33 50 2871.98 -28.37 87.09 187.80 80.17 24 21 42 2272.0 -29.44 78.45
 100.00 17 46 24 4032.19 3.24 157.88 176.34 60.27 18 53 36 3432.2 -7.74 151.35
 110.00 1 20 22 2551.01 -33.57 63.60 188.69 85.12 2 2 53 1951.0 -34.15 54.41
 110.00 18 20 18 3925.93 7.72 147.06 173.58 56.60 19 25 44 3325.9 3.27 140.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9609 TRA-2.6350 TC3 -1.5316 BAU .8410 SGT 3667.9 SGR 290.2 SG3 166.3 ST 1916.1 SR 219.1 SS 650.4
 RDE .2400 RRA .1466 RC3 -.1044 FAU .05072 RRT .2592 RRF .6192 RTF .9097 CRT .8210 CRS -.9364 CST -.9691
 FDE 1.3232 FRA -.6670 FC3 -1.0716 BSP 11521 SGB 3679.4 R23 .3956 R13 .9104 LSA 2026.0 MSA 194.0 SSA 3.0
 BDE 1.9755 BRA 2.6391 BC3 1.5352 FSP -557 SG1 3668.7 SG2 280.2 TMA 1.18 EL1 1924.5 EL2 124.5 ALF 5.38

LAUNCH DATE DEC 26 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 395.996

RL 147.13 LAL .00 LOL 94.01 VL 27.726 GAL -7.56 AZL 82.54 HCA 193.67 SMA 128.19 ECC .19688 INC 7.4644 V1 30.281
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.449 GAP 7.37 A7P 97.26 TAL 214.36 TAP 48.04 RCA 102.95 APO 153.42 V2 34.804
 RC 137.863 GL 37.31 GP -28.41 ZAL 127.36 ZAP 142.66 ETS 312.66 ZAE 124.09 ETE 202.08 ZAC 62.70 ETC 141.41 CLP-154.68

PLANETOCENTRIC CONIC

C3 34.702 VHL 5.891 DLA 19.24 RAL 306.03 RAD 6568.4 VEL 12.493 PTH 2.26 VHP 5.924 DPA -46.80 RAP 326.47 ECC 1.5711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 43 54 2996.92 -28.00 96.21 184.92 85.62 23 33 51 2396.9 -28.32 87.56
 90.00 16 8 0 4348.04 4.80 180.26 175.37 62.06 17 20 28 3748.0 1.02 173.61
 100.00 0 21 6 2696.18 -29.74 74.21 185.05 86.81 1 6 2 2096.2 -29.86 65.41
 100.00 17 17 26 4124.02 6.33 162.95 174.54 60.72 18 26 10 3524.0 2.38 156.39
 110.00 1 55 7 2402.02 -34.18 52.02 185.20 89.94 2 35 9 1802.0 -33.81 42.80
 110.00 17 59 54 3990.94 10.14 150.55 172.22 57.18 19 6 25 3390.9 5.74 144.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6720 TRA-2.4811 TC3 -1.8900 BAU .8776 SGT 3759.8 SGR 249.3 SG3 182.4 ST 1799.2 SR 200.4 SS 621.6
 RDE .2026 RRA .1168 RC3 -.0797 FAU .05535 RRT .2370 RRF .5997 RTF .8987 CRT .8127 CRS -.9448 CST -.9586
 FDE 1.2332 FRA -.5933 FC3 -1.3808 BSP 11787 SGB 3768.0 R23 .3971 R13 .8991 LSA 1903.4 MSA 201.5 SSA 4.3
 BDE 1.6842 BRA 2.4839 BC3 1.8916 FSP -604 SG1 3760.2 SG2 242.2 TMA .90 EL1 1806.6 EL2 116.3 ALF 5.19

LAUNCH DATE DEC 26 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 27.659 GAL -7.25 AZL 83.36 HCA 196.83 SMA 127.73 ECC .19660 INC 6.6354 V1 30.281
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.395 GAP 7.56 ATP 96.35 TAL 212.71 TAP 49.54 RCA 102.62 APO 152.84 V2 34.799
 RC 140.164 GL 34.76 GP -23.38 ZAL 127.97 ZAP 146.67 ETS 316.95 ZAE 126.17 ETE 198.96 ZAC 61.57 ETC 145.46 CLP-155.54

PLANETOCENTRIC CONIC
 C3 30.916 VHL 5.560 DLA 17.11 RAL 307.83 RAD 6568.2 VEL 12.341 PTH 2.23 VHP 5.788 OPA -41.36 RAP 326.76 ECC 1.5088
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 13 12 2884.30 -28.32 87.99 183.58 89.72 24 1 16 2284.3 -28.05 79.33
 90.00 15 53 3 4402.47 6.53 183.32 174.92 62.38 17 6 25 3802.5 2.78 176.65
 100.00 0 48 17 2590.31 -29.88 66.35 183.57 90.94 1 31 28 1990.3 -29.43 57.57
 100.00 17 4 34 4171.69 7.90 165.61 174.17 61.08 18 14 6 3571.7 3.99 159.01
 110.00 2 18 10 2309.09 -33.95 44.78 183.35 94.22 2 56 39 1709.1 -33.00 35.67
 110.00 17 51 11 4025.67 11.41 152.43 172.06 57.56 18 58 16 3425.7 7.05 146.05

DIFFERENTIAL CORRECTIONS
 TOE 1.5019 TRA-2.3671 TC3-2.1952 BAU .9075 SGT 3855.8 SGR 221.1 SG3 190.5 ST 1728.2 SR 188.4 SS 596.4
 ROE .1800 RRA .1011 RC3 -.0459 FAU .05709 RRT .1568 RRF .5113 RTF .8918 CRT .8054 CRS -.9504 CST -.9495
 FOE 1.1449 FRA -.5140 FC3-1.5986 BSP 12101 SGB 3862.2 R23 .3757 R13 .8920 LSA 1826.2 MSA 207.0 SSA 5.6
 BOE 1.5126 BRA 2.3692 BC3 2.1957 FSP -629 SG1 3856.0 SG2 218.4 THA .52 EL1 1734.9 EL2 111.2 ALF 5.04

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 27.593 GAL -6.94 AZL 83.94 HCA 199.99 SMA 127.28 ECC .19643 INC 6.0624 V1 30.281
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.342 GAP 7.74 ATP 95.70 TAL 211.04 TAP 51.03 RCA 102.28 APO 152.28 V2 34.795
 RC 142.456 GL 32.95 GP -19.75 ZAL 127.85 ZAP 149.67 ETS 320.36 ZAE 127.42 ETE 196.41 ZAC 61.44 ETC 148.70 CLP-156.51

PLANETOCENTRIC CONIC
 C3 28.284 VHL 5.318 DLA 15.75 RAL 309.63 RAD 6568.1 VEL 12.234 PTH 2.20 VHP 5.746 OPA -37.26 RAP 327.66 ECC 1.4655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 33 27 2811.77 -28.22 82.68 183.05 92.38 24 20 19 2211.8 -27.60 74.07
 90.00 15 47 11 4430.43 7.41 184.91 175.15 62.59 17 1 2 3830.4 3.68 178.21
 100.00 1 7 25 2521.40 -29.69 61.24 182.96 93.63 1 49 27 1921.4 -28.87 52.53
 100.00 16 59 50 4196.03 8.70 166.90 174.45 61.29 18 9 46 3596.0 4.80 160.36
 110.00 2 35 0 2247.40 -33.54 40.01 182.54 97.02 3 12 27 1647.4 -32.21 31.03
 110.00 17 48 45 4042.80 12.03 153.36 172.46 57.76 18 56 8 3442.8 7.69 146.98

DIFFERENTIAL CORRECTIONS
 TOE 1.3945 TRA-2.2712 TC3-2.4716 BAU .9346 SGT 3953.6 SGR 207.5 SG3 193.8 ST 1686.7 SR 184.0 SS 576.7
 ROE .1686 RRA .0890 RC3 -.0113 FAU .05723 RRT .0625 RRF .3931 RTF .8868 CRT .8056 CRS -.9574 CST -.9417
 FOE 1.0685 FRA -.4353 FC3-1.7516 BSP 12451 SGB 3959.1 R23 .3381 R13 .8868 LSA 1779.5 MSA 211.5 SSA 6.9
 BOE 1.4046 BRA 2.2729 BC3 2.4716 FSP -640 SG1 3953.7 SG2 207.1 THA .19 EL1 1693.2 EL2 108.6 ALF 5.04

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 27.527 GAL -6.63 AZL 84.36 HCA 203.15 SMA 126.84 ECC .19639 INC 5.6403 V1 30.281
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.290 GAP 7.92 ATP 95.19 TAL 209.35 TAP 52.50 RCA 101.93 APO 151.74 V2 34.791
 RC 144.737 GL 31.61 GP -17.03 ZAL 127.26 ZAP 152.06 ETS 323.10 ZAE 128.21 ETE 194.36 ZAC 61.96 ETC 151.35 CLP-157.51

PLANETOCENTRIC CONIC
 C3 26.281 VHL 5.127 DLA 14.91 RAL 311.46 RAD 6568.1 VEL 12.151 PTH 2.18 VHP 5.753 OPA -34.01 RAP 328.91 ECC 1.4325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 48 29 2763.45 -28.04 79.16 183.09 94.14 24 34 33 2163.4 -27.17 70.60
 90.00 15 46 46 4442.24 7.78 185.58 175.76 62.69 17 0 48 3842.2 4.05 178.87
 100.00 1 21 49 2475.12 -29.44 57.82 182.96 95.41 2 3 5 1875.1 -28.38 49.18
 100.00 17 0 3 4205.80 9.02 167.53 175.10 61.38 18 10 8 3605.8 5.13 160.90
 110.00 2 48 4 2205.26 -33.14 36.78 182.42 98.89 3 24 49 1605.3 -31.56 27.91
 110.00 17 50 17 4048.42 12.24 153.67 173.18 57.83 18 57 46 3448.4 7.90 147.26

DIFFERENTIAL CORRECTIONS
 TOE 1.3273 TRA-2.1812 TC3-2.7290 BAU .9589 SGT 4049.0 SGR 205.4 SG3 194.5 ST 1667.5 SR 185.3 SS 562.9
 ROE .1640 RRA .0778 RC3 .0212 FAU .05642 RRT -.0193 RRF .2751 RTF .8828 CRT .8138 CRS -.9659 CST -.9355
 FOE 1.0057 FRA -.3588 FC3-1.8587 BSP 12767 SGB 4054.2 R23 -.2922 R13 -.8828 LSA 1756.5 MSA 215.0 SSA 8.2
 BOE 1.3374 BRA 2.1826 BC3 2.7291 FSP -641 SG1 4049.0 SG2 205.3 THA 179.94 EL1 1674.3 EL2 107.2 ALF 5.19

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 27.461 GAL -6.30 AZL 84.69 HCA 206.31 SMA 126.40 ECC .19647 INC 5.3148 V1 30.281
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.239 GAP 8.10 ATP 94.77 TAL 207.65 TAP 53.96 RCA 101.57 APO 151.24 V2 34.788
 RC 147.008 GL 30.60 GP -14.93 ZAL 126.31 ZAP 154.04 ETS 325.30 ZAE 128.72 ETE 192.69 ZAC 62.90 ETC 153.54 CLP-158.52

PLANETOCENTRIC CONIC
 C3 24.665 VHL 4.966 DLA 14.45 RAL 313.34 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 5.789 OPA -31.34 RAP 330.39 ECC 1.4059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 4 7 2731.27 -27.86 76.82 183.56 95.30 0 49 38 2131.3 -26.83 68.31
 90.00 15 50 2 4443.08 7.80 185.63 176.63 62.69 17 4 5 3843.1 4.08 178.92
 100.00 1 33 11 2444.03 -29.22 55.53 183.39 96.59 2 13 55 3605.6 5.12 160.89
 100.00 17 3 39 4205.96 9.01 167.51 175.98 61.38 18 13 45 3605.6 5.12 160.89
 110.00 2 58 43 2176.40 -32.82 34.59 182.78 100.15 3 35 0 1576.4 -31.07 25.81
 110.00 17 54 36 4045.95 12.15 153.53 174.11 57.80 19 2 2 3446.0 7.81 147.12

DIFFERENTIAL CORRECTIONS
 TOE 1.2795 TRA-2.0991 TC3-2.9875 BAU .9853 SGT 4151.9 SGR 209.8 SG3 194.3 ST 1658.2 SR 189.5 SS 549.2
 ROE .1630 RRA .0661 RC3 .0500 FAU .05550 RRT -.0764 RRF .1730 RTF .8812 CRT .8264 CRS -.9739 CST -.9310
 FOE .9460 FRA -.2938 FC3-1.9481 BSP 13228 SGB 4157.2 R23 -.2412 R13 -.8812 LSA 1743.6 MSA 216.2 SSA 9.5
 BOE 1.2898 BRA 2.1002 BC3 2.9880 FSP -653 SG1 4152.0 SG2 209.2 THA 179.78 EL1 1665.6 EL2 106.2 ALF 5.42

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 424.992

RL 147.13 LAL .00 LOL 94.01 VL 27.397 GAL -5.96 AZL 84.95 MCA 209.47 SMA 125.98 ECC .19666 INC 5.0548 V1 30.281
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.190 GAP 8.28 AZP 94.40 TAL 205.92 TAP 55.39 RCA 101.20 APO 150.75 V2 34.786
 RC 149.266 GL 29.82 GP -13.28 ZAL 125.07 ZAP 155.74 ETS 327.08 ZAE 129.07 ETE 191.34 ZAC 64.15 ETC 155.39 CLP-159.51

PLANETOCENTRIC CONIC

C3 23.307 VHL 4.828 DLA 14.26 RAL 315.28 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 5.843 DPA -29.06 RAP 332.02 ECC 1.3836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 13 32 2710.82 -27.72 75.34 184.35 96.03 0 58 43 2110.8 -26.60 66.86
 90.00 15 56 6 4435.77 7.57 185.21 177.71 62.63 17 10 2 3835.8 3.85 178.51
 100.00 1 42 28 2424.00 -29.06 54.07 184.17 97.35 2 22 52 1824.0 -27.74 45.51
 100.00 17 9 51 4197.83 8.76 167.08 177.07 61.31 18 19 49 3597.8 4.86 160.46
 110.00 3 7 44 2157.25 -32.58 33.15 183.51 100.97 3 43 41 1557.2 -30.73 24.42
 110.00 18 1 5 4037.35 11.84 153.06 175.23 57.70 19 8 22 3437.3 7.49 146.67

DIFFERENTIAL CORRECTIONS

TDE 1.2852 TRA-1.9810 TC3-3.1838 BAU .9924
 RDE .1667 RRA .0569 RC3 .0804 FAU .05244
 FDE .9326 FRA -.1925 FC3-1.9481 BSP 12862
 BDE 1.2960 BRA 1.9818 BC3 3.1849 FSP -582

MID-COURSE EXECUTION ACCURACY

SGT 4202.5 SGR 223.7 SG3 189.7
 RRT -.1125 RRF .1153 RTF .8718
 SGB 4208.5 R23 -.2150 R13 -.8717
 SGI 4202.6 SG2 222.2 TMA 179.66

ORBIT DETERMINATION ACCURACY

ST 1692.6 SR 199.0 SS 560.6
 CRT .8503 CRS -.9838 CST -.9284
 LSA 1780.3 MSA 221.7 SSA 10.4
 EL1 1701.0 EL2 104.2 ALF 5.73

LAUNCH DATE DEC 26 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 430.763

RL 147.13 LAL .00 LOL 94.01 VL 27.333 GAL -5.62 AZL 85.16 MCA 212.63 SMA 125.56 ECC .19700 INC 4.8410 V1 30.281
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.141 GAP 8.46 AZP 94.08 TAL 204.19 TAP 56.81 RCA 100.83 APO 150.30 V2 34.785
 RC 151.511 GL 29.20 GP -11.94 ZAL 123.61 ZAP 157.24 ETS 328.52 ZAE 129.32 ETE 190.22 ZAC 65.61 ETC 156.96 CLP-160.48

PLANETOCENTRIC CONIC

C3 22.141 VHL 4.705 DLA 14.28 RAL 317.29 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 5.909 DPA -27.06 RAP 333.76 ECC 1.3644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 21 21 2699.19 -27.63 74.50 185.42 96.44 1 6 20 2099.2 -26.45 66.03
 90.00 16 4 20 4422.46 7.16 184.45 178.96 62.53 17 18 3 3822.5 3.42 177.77
 100.00 1 50 18 2412.31 -28.95 53.22 185.23 97.79 2 30 30 1812.3 -27.57 44.68
 100.00 17 18 4 4184.57 8.33 166.33 178.33 61.19 18 27 49 3584.6 4.42 159.73
 110.00 3 15 35 2145.44 -32.42 32.26 184.55 101.47 3 51 21 1545.4 -30.50 23.57
 110.00 18 9 16 4024.20 11.36 152.35 176.51 57.54 19 16 20 3424.2 6.99 145.97

DIFFERENTIAL CORRECTIONS

TDE 1.2653 TRA-1.8991 TC3-3.4437 BAU 1.0198
 RDE .1693 RRA .0446 RC3 .1029 FAU .05136
 FDE .8838 FRA -.1409 FC3-2.0082 BSP 13447
 BDE 1.2766 BRA 1.8996 BC3 3.4452 FSP -602

MID-COURSE EXECUTION ACCURACY

SGT 4309.3 SGR 234.6 SG3 188.5
 RRT -.1284 RRF .0566 RTF .8726
 SGB 4315.7 R23 -.1704 R13 -.8725
 SGI 4309.4 SG2 232.6 TMA 179.60

ORBIT DETERMINATION ACCURACY

ST 1701.6 SR 206.9 SS 550.8
 CRT .8674 CRS -.9893 CST -.9268
 LSA 1787.0 MSA 220.0 SSA 11.7
 EL1 1711.1 EL2 102.4 ALF 6.04

LAUNCH DATE DEC 26 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 436.526

RL 147.13 LAL .00 LOL 94.01 VL 27.270 GAL -5.27 AZL 85.34 MCA 215.79 SMA 125.15 ECC .19748 INC 4.6612 V1 30.281
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.094 GAP 8.65 AZP 93.78 TAL 202.44 TAP 58.22 RCA 100.44 APO 149.87 V2 34.784
 RC 153.743 GL 28.70 GP -10.83 ZAL 121.94 ZAP 158.60 ETS 329.69 ZAE 129.51 ETE 189.30 ZAC 67.23 ETC 158.32 CLP-161.43

PLANETOCENTRIC CONIC

C3 21.123 VHL 4.596 DLA 14.48 RAL 319.39 RAD 6567.9 VEL 11.937 PTH 2.12 VHP 5.984 DPA -25.27 RAP 335.59 ECC 1.3476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 57 2694.75 -27.60 74.18 186.73 96.60 1 12 51 2094.7 -26.40 65.72
 90.00 16 14 28 4404.18 6.58 183.42 180.39 62.40 17 27 52 3804.2 2.83 176.74
 100.00 1 57 2 2407.42 -28.91 52.86 186.54 97.97 2 37 10 1807.4 -27.50 44.34
 100.00 17 28 3 4166.73 7.74 163.33 179.76 61.04 18 37 30 3566.7 3.82 158.74
 110.00 3 22 37 2139.64 -32.34 31.83 185.85 101.72 3 58 17 1539.6 -30.39 23.16
 110.00 18 18 58 4007.29 10.74 151.43 177.95 57.35 19 25 45 3407.3 6.36 145.08

DIFFERENTIAL CORRECTIONS

TDE 1.2660 TRA-1.8034 TC3-3.6874 BAU 1.0419
 RDE .1734 RRA .0329 RC3 .1241 FAU .04970
 FDE .8504 FRA -.0821 FC3-2.0370 BSP 13811
 BDE 1.2779 BRA 1.8037 BC3 3.6894 FSP -600

MID-COURSE EXECUTION ACCURACY

SGT 4401.2 SGR 248.0 SG3 186.1
 RRT -.1318 RRF .0207 RTF .8717
 SGB 4408.2 R23 -.1371 R13 -.8716
 SGI 4401.3 SG2 245.9 TMA 179.57

ORBIT DETERMINATION ACCURACY

ST 1728.2 SR 216.5 SS 549.1
 CRT .8870 CRS -.9937 CST -.9267
 LSA 1813.1 MSA 218.3 SSA 12.9
 EL1 1738.9 EL2 99.4 ALF 6.36

LAUNCH DATE DEC 26 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 442.280

RL 147.13 LAL .00 LOL 94.01 VL 27.208 GAL -4.91 AZL 85.49 MCA 218.95 SMA 124.75 ECC .19810 INC 4.5071 V1 30.281
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.049 GAP 8.83 AZP 93.51 TAL 200.67 TAP 59.62 RCA 100.04 APO 149.47 V2 34.784
 RC 155.962 GL 28.27 GP -9.92 ZAL 120.09 ZAP 159.84 ETS 330.61 ZAE 129.66 ETE 188.52 ZAC 68.97 ETC 159.51 CLP-162.36

PLANETOCENTRIC CONIC

C3 20.227 VHL 4.497 DLA 14.82 RAL 321.58 RAD 6567.8 VEL 11.900 PTH 2.11 VHP 6.066 DPA -23.62 RAP 337.48 ECC 1.3329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 38 2696.36 -27.61 74.30 188.28 96.54 1 18 34 2096.4 -26.42 65.84
 90.00 16 26 17 4381.81 5.87 182.16 181.99 62.25 17 39 18 3781.8 2.11 175.49
 100.00 2 2 58 2408.25 -28.91 52.92 188.09 97.94 2 43 6 1808.2 -27.51 44.40
 100.00 17 39 37 4145.15 7.03 164.13 181.37 60.87 18 48 43 3545.2 3.09 157.55
 110.00 3 29 4 2138.85 -32.33 31.77 187.41 101.75 4 4 43 1538.8 -30.38 23.10
 110.00 18 30 1 3987.32 10.00 150.35 179.56 57.14 19 36 28 3387.3 5.60 144.02

DIFFERENTIAL CORRECTIONS

TDE 1.2792 TRA-1.6988 TC3-3.9245 BAU 1.0619
 RDE .1780 RRA .0215 RC3 .1431 FAU .04787
 FDE .8242 FRA -.0230 FC3-2.0489 BSP 14109
 BDE 1.2915 BRA 1.6990 BC3 3.9271 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 4486.5 SGR 262.3 SG3 183.3
 RRT -.1260 RRF -.0001 RTF .8705
 SGB 4494.2 R23 -.1109 R13 -.8705
 SGI 4486.6 SG2 260.2 TMA 179.58

ORBIT DETERMINATION ACCURACY

ST 1765.8 SR 227.0 SS 551.1
 CRT .9069 CRS -.9965 CST -.9280
 LSA 1851.1 MSA 215.6 SSA 14.0
 EL1 1777.8 EL2 95.0 ALF 6.67

LAUNCH DATE DEC 26 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 448.024

RL 147.13 LAL .00 LOL 94.01 VL 27.146 GAL -4.53 AZL 85.63 HCA 222.11 SMA 124.36 ECC .19887 INC 4.3726 V1 30.281
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.004 GAP 9.01 A7P 93.25 TAL 198.89 TAP 61.00 RCA 99.63 APO 149.10 V2 34.785
 RC 158.168 GL 27.90 GP -9.14 ZAL 118.06 ZAP 161.00 ETS 331.33 ZAE 129.79 ETE 187.86 ZAC 70.82 ETC 160.55 CLP-163.27

PLANETOCENTRIC CONIC

C3 19.438 VHL 4.409 DLA 15.28 RAL 323.88 RAD 6567.8 VEL 11.867 PTH 2.11 VHP 6.154 DPA -22.09 RAP 339.42 ECC 1.3199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 36 2703.26 -27.66 74.80 190.06 96.30 1 23 40 2103.3 -26.50 66.32
 90.00 16 39 38 4356.01 5.05 180.70 183.78 62.10 17 52 14 3756.0 1.28 174.05
 100.00 2 8 17 2414.05 -28.97 53.34 189.87 97.72 2 48 31 1814.1 -27.60 44.81
 100.00 17 52 38 4120.44 6.21 162.75 183.15 60.70 19 1 19 3520.4 2.25 156.20
 110.00 3 35 6 2142.42 -32.38 32.04 189.20 101.60 4 10 48 1542.4 -30.45 23.36
 110.00 18 42 19 3964.84 9.17 149.14 181.34 56.92 19 48 24 3364.8 4.75 142.84

DIFFERENTIAL CORRECTIONS

TDE 1.3014 TRA-1.5875 TC3-4.1583 BAU 1.0814
 RDE .1829 RRA .0102 RC3 .1598 FAU .04602
 FDE .8021 FRA .0336 FC3-2.0495 BSP 14396
 BDE 1.3142 BRA 1.5875 BC3 4.1614 FSP -583

MID-COURSE EXECUTION ACCURACY

SGT 4569.1 SGR 276.7 S03 180.3
 RRT -.1139 RRF -.0108 RTF .8697
 SGB 4577.5 R23 -.0892 R13 -.8697
 SGI 4569.2 SG2 274.9 THA 179.60

ORBIT DETERMINATION ACCURACY

ST 1812.1 SR 237.8 SS 555.0
 CRT .9258 CRS -.9976 CST -.9305
 LSA 1898.3 MSA 211.7 SSA 15.2
 EL1 1825.5 EL2 89.3 ALF 6.94

LAUNCH DATE DEC 26 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 453.759

RL 147.13 LAL .00 LOL 94.01 VL 27.085 GAL -4.15 AZL 85.75 HCA 225.27 SMA 123.98 ECC .19980 INC 4.2536 V1 30.281
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.961 GAP 9.20 A7P 93.00 TAL 197.10 TAP 62.37 RCA 99.21 APO 148.75 V2 34.787
 RC 160.359 GL 27.57 GP -8.48 ZAL 115.87 ZAP 162.08 ETS 331.88 ZAE 129.91 ETE 187.30 ZAC 72.75 ETC 161.48 CLP-164.15

PLANETOCENTRIC CONIC

C3 18.746 VHL 4.330 DLA 15.84 RAL 326.29 RAD 6567.8 VEL 11.838 PTH 2.10 VHP 6.247 DPA -20.64 RAP 341.39 ECC 1.3085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 1 2714.92 -27.75 75.64 192.05 95.88 1 28 16 2114.9 -26.64 67.15
 90.00 16 54 27 4327.25 4.14 179.09 185.76 61.96 18 6 35 3727.2 .35 172.45
 100.00 2 13 7 2424.33 -29.06 54.09 191.88 97.34 2 53 32 1824.3 -27.74 45.54
 100.00 18 7 2 4093.07 5.29 161.24 185.13 60.94 19 15 15 3493.1 1.33 154.69
 110.00 3 40 50 2149.89 -32.48 32.60 191.23 101.28 4 16 40 1549.9 -30.59 23.89
 110.00 18 55 49 3940.27 8.25 147.83 183.31 56.71 20 1 29 3340.3 3.82 141.55

DIFFERENTIAL CORRECTIONS

TDE 1.3343 TRA-1.4655 TC3-4.3808 BAU 1.0988
 RDE .1881 RRA -.0007 RC3 .1742 FAU .04405
 FDE .7855 FRA -.0905 FC3-2.0342 BSP 14607
 BDE 1.3475 BRA 1.4655 BC3 4.3843 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 4644.6 SGR 291.1 S03 177.0
 RRT -.0968 RRF -.0119 RTF .8686
 SGB 4653.7 R23 -.0728 R13 -.8686
 SGI 4644.6 SG2 289.7 THA 179.65

ORBIT DETERMINATION ACCURACY

ST 1869.9 SR 249.0 SS 562.2
 CRT .9434 CRS -.9969 CST -.9340
 LSA 1957.4 MSA 206.9 SSA 16.2
 EL1 1884.6 EL2 81.9 ALF 7.17

LAUNCH DATE DEC 26 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 459.483

RL 147.13 LAL .00 LOL 94.01 VL 27.026 GAL -3.76 AZL 85.85 HCA 228.43 SMA 123.61 ECC .20090 INC 4.1468 V1 30.281
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.919 GAP 9.39 A7P 92.75 TAL 193.30 TAP 63.72 RCA 98.77 APO 148.44 V2 34.789
 RC 162.536 GL 27.24 GP -7.91 ZAL 113.53 ZAP 163.10 ETS 332.25 ZAE 130.01 ETE 186.83 ZAC 74.75 ETC 162.30 CLP-165.02

PLANETOCENTRIC CONIC

C3 18.148 VHL 4.260 DLA 16.48 RAL 328.82 RAD 6567.7 VEL 11.7812 PTH 2.09 VHP 6.346 DPA -19.25 RAP 343.41 ECC 1.2987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 59 2730.99 -27.86 76.80 194.28 95.31 1 32 30 2131.0 -26.83 68.29
 90.00 17 10 41 4295.96 3.13 177.34 187.95 61.84 18 22 17 3696.0 -.66 170.71
 100.00 2 17 36 2438.72 -29.18 55.15 194.12 96.79 2 58 15 1838.7 -27.93 46.56
 100.00 18 22 45 4063.46 4.30 159.60 187.31 60.39 19 30 28 3463.5 .32 153.07
 110.00 3 46 24 2160.92 -32.63 33.43 193.50 100.81 4 22 25 1560.9 -30.79 24.69
 110.00 19 10 27 3914.03 7.27 146.43 185.47 56.51 20 15 41 3314.0 2.82 140.18

DIFFERENTIAL CORRECTIONS

TDE 1.3714 TRA-1.3385 TC3-4.6006 BAU 1.1171
 RDE .1933 RRA -.0114 RC3 .1859 FAU .04222
 FDE .7684 FRA .1426 FC3-2.0142 BSP 14883
 BDE 1.3850 BRA 1.3385 BC3 4.6044 FSP -561

MID-COURSE EXECUTION ACCURACY

SGT 4721.3 SGR 304.8 S03 173.9
 RRT -.0773 RRF -.0103 RTF .8687
 SGB 4731.1 R23 -.0573 R13 -.8687
 SGI 4721.4 SG2 303.9 THA 179.71

ORBIT DETERMINATION ACCURACY

ST 1932.2 SR 260.1 SS 568.3
 CRT .9586 CRS -.9948 CST -.9380
 LSA 2020.7 MSA 200.6 SSA 17.3
 EL1 1948.2 EL2 73.5 ALF 7.36

LAUNCH DATE DEC 26 1965

FLIGHT TIME 156.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 465.196

RL 147.13 LAL .00 LOL 94.01 VL 26.966 GAL -3.36 AZL 85.95 HCA 231.59 SMA 123.24 ECC .20218 INC 4.0501 V1 30.281
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.879 GAP 9.59 A7P 92.52 TAL 193.48 TAP 65.07 RCA 98.32 APO 148.16 V2 34.792
 RC 164.699 GL 26.92 GP -7.41 ZAL 111.03 ZAP 164.07 ETS 332.48 ZAE 130.12 ETE 186.42 ZAC 76.80 ETC 163.04 CLP-165.86

PLANETOCENTRIC CONIC

C3 17.639 VHL 4.200 DLA 17.20 RAL 331.48 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 6.451 DPA -17.92 RAP 345.44 ECC 1.2903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 35 2751.19 -27.97 78.27 196.73 94.58 1 36 26 2151.2 -27.05 69.73
 90.00 17 28 18 4262.51 2.06 175.47 190.35 61.75 18 39 20 3662.5 -1.74 168.84
 100.00 2 21 49 2456.95 -29.32 56.48 196.59 96.10 3 2 46 1856.9 -28.16 47.87
 100.00 18 39 44 4031.99 3.24 157.87 189.70 60.27 19 46 56 3432.0 -.74 151.34
 110.00 3 51 52 2175.22 -32.80 34.50 196.00 100.20 4 28 7 1575.2 -31.05 25.72
 110.00 19 26 11 3886.48 6.23 144.97 187.84 56.32 20 30 57 3286.5 1.77 138.74

DIFFERENTIAL CORRECTIONS

TDE 1.4148 TRA-1.2038 TC3-4.8098 BAU 1.1351
 RDE .1986 RRA -.0216 RC3 .1950 FAU .04042
 FDE .7533 FRA .1925 FC3-1.9840 BSP 15157
 BDE 1.4287 BRA 1.2039 BC3 4.8137 FSP -553

MID-COURSE EXECUTION ACCURACY

SGT 4796.1 SGR 318.1 S03 170.8
 RRT -.0561 RRF -.0046 RTF .8694
 SGB 4806.7 R23 -.0444 R13 -.8694
 SGI 4796.2 SG2 317.6 THA 179.79

ORBIT DETERMINATION ACCURACY

ST 2001.5 SR 271.2 SS 575.3
 CRT .9713 CRS -.9913 CST -.9425
 LSA 2091.1 MSA 193.5 SSA 18.4
 EL1 2018.8 EL2 63.9 ALF 7.51

LAUNCH DATE DEC 26 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 26.908 GAL -2.94 AZL 86.04 HCA 234.75 SMA 122.88 ECC .20365 INC 3.9615 V1 30.281
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.840 GAP 9.79 ATP 92.29 TAL 191.66 TAP 66.41 RCA 97.86 APO 147.90 V2 34.796
 RC 166.847 GL 26.58 GP -6.98 ZAL 108.39 ZAP 165.00 ETS 332.55 ZAE 130.22 ETE 186.06 ZAC 78.90 ETC 163.70 CLP-166.69

PLANETOCENTRIC CONIC
 C3 17.220 VML 4.150 DLA 17.97 RAL 334.27 RAD 6567.7 VEL 11.773 PTH 2.08 VMP 6.360 DPA -16.62 RAP 347.50 ECC 1.2834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 53 2775.34 -28.09 80.03 199.42 93.71 1 40 9 2175.3 -27.28 71.45
 90.00 17 47 14 4227.23 .92 173.50 192.99 61.70 18 57 41 3627.2 -2.87 166.87
 100.00 2 25 51 2478.79 -29.47 58.09 199.29 95.27 3 7 10 1878.8 -28.42 49.44
 100.00 18 57 58 3999.01 2.12 156.05 192.32 60.18 20 4 37 3399.0 -1.86 149.53
 110.00 3 57 19 2192.59 -33.01 35.82 198.76 99.44 4 33 52 1592.6 -31.35 26.99
 110.00 19 42 59 3857.98 5.15 143.47 190.43 56.16 20 47 17 3258.0 .68 137.25

DIFFERENTIAL CORRECTIONS
 TOE 1.4649 TRA -1.0592 TC3-5.0010 BAU 1.1522 SGT 4866.4 SGR 331.0 SG3 167.6 ST 2078.3 SR 282.4 SS 583.2
 RDE .2043 RRA -.0312 RC3 .2014 FAU .03862 RRT -.0333 RRF .0049 RTF .8701 CRT .9815 CRS -.9866 CST -.9471
 FDE .7405 FRA .2418 FC3-1.9416 BSP 15410 SGB 4877.6 R23 -.0340 R13 -.8701 LSA 2168.9 MSA 186.0 SSA 19.4
 BOE 1.4791 BRA 1.0597 BC3 5.0050 FSP -543 SG1 4866.4 SG2 330.8 THA 179.87 EL1 2096.7 EL2 53.5 ALF 7.60

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 26.850 GAL -2.52 AZL 86.12 HCA 237.91 SMA 122.53 ECC .20532 INC 3.8795 V1 30.281
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.802 GAP 10.00 ATP 92.06 TAL 189.83 TAP 67.74 RCA 97.37 APO 147.69 V2 34.800
 RC 168.980 GL 26.20 GP -6.60 ZAL 105.61 ZAP 165.89 ETS 332.48 ZAE 130.33 ETE 185.76 ZAC 81.05 ETC 164.30 CLP-167.50

PLANETOCENTRIC CONIC
 C3 16.893 VML 4.110 DLA 18.79 RAL 337.19 RAD 6567.7 VEL 11.759 PTH 2.08 VMP 6.675 DPA -15.35 RAP 349.58 ECC 1.2780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 58 2803.24 -28.20 82.06 202.34 92.69 1 43 41 2203.2 -27.53 73.46
 90.00 18 7 29 4190.48 -.27 171.45 195.86 61.68 19 17 19 3590.5 -4.05 164.81
 100.00 2 29 45 2504.05 -29.61 59.95 202.24 94.30 3 11 29 1904.1 -28.70 51.27
 100.00 19 17 23 3964.91 .97 154.18 195.17 60.12 20 23 28 3364.9 -3.02 147.66
 110.00 4 2 50 2212.80 -33.22 37.36 201.77 98.56 4 39 43 1612.8 -31.68 28.47
 110.00 20 0 47 3282.92 4.05 141.95 193.25 56.03 21 4 36 3228.9 -.44 135.74

DIFFERENTIAL CORRECTIONS
 TOE 1.5199 TRA -.9062 TC3-5.1717 BAU 1.1689 SGT 4933.9 SGR 343.1 SG3 164.4 ST 2160.1 SR 293.6 SS 590.7
 RDE .2102 RRA -.0401 RC3 .2050 FAU .03685 RRT -.0097 RRF .0165 RTF .8715 CRT .9891 CRS -.9809 CST -.9518
 FDE .7282 FRA .2889 FC3-1.8887 BSP 15659 SGB 4945.8 R23 -.0250 R13 -.8715 LSA 2251.4 MSA 178.1 SSA 20.4
 BOE 1.5344 BRA .9071 BC3 5.1758 FSP -535 SG1 4933.9 SG2 343.1 THA 179.96 EL1 2179.5 EL2 42.8 ALF 7.66

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 26.794 GAL -2.07 AZL 86.20 HCA 241.08 SMA 122.18 ECC .20719 INC 3.8030 V1 30.281
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.765 GAP 10.21 ATP 91.84 TAL 187.99 TAP 69.06 RCA 96.87 APO 147.50 V2 34.805
 RC 171.096 GL 25.79 GP -6.26 ZAL 102.70 ZAP 166.75 ETS 332.25 ZAE 130.43 ETE 185.49 ZAC 83.23 ETC 164.83 CLP-168.30

PLANETOCENTRIC CONIC
 C3 16.661 VML 4.082 DLA 19.65 RAL 340.25 RAD 6567.7 VEL 11.749 PTH 2.07 VMP 6.797 DPA -14.10 RAP 351.68 ECC 1.2742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 52 2834.76 -28.28 84.36 205.50 91.54 1 47 7 2234.8 -27.77 75.74
 90.00 18 28 59 4152.61 -1.49 169.34 198.98 61.72 19 38 12 3552.6 -5.26 162.69
 100.00 2 33 35 2532.54 -29.74 62.06 205.43 93.20 3 15 48 1932.5 -28.98 53.34
 100.00 19 37 57 3930.06 -.22 152.27 198.27 60.11 20 43 27 3330.1 -4.19 145.74
 110.00 4 8 29 2235.65 -33.44 39.11 205.02 97.54 4 45 45 1635.6 -32.04 30.16
 110.00 20 19 32 3799.72 2.94 140.42 196.30 55.93 21 22 52 3199.7 -1.55 134.21

DIFFERENTIAL CORRECTIONS
 TOE 1.5826 TRA -.7410 TC3-5.3094 BAU 1.1835 SGT 4994.1 SGR 354.8 SG3 161.1 ST 2249.8 SR 304.9 SS 599.5
 RDE .2166 RRA -.0482 RC3 .2058 FAU .03503 RRT .0152 RRF .0318 RTF .8727 CRT .9943 CRS -.9743 CST -.9565
 FDE .7186 FRA .3366 FC3-1.8205 BSP 15844 SGB 5006.7 R23 .0185 R13 .8727 LSA 2341.9 MSA 170.5 SSA 21.3
 BOE 1.5973 BRA .7426 BC3 5.3134 FSP -523 SG1 4994.1 SG2 354.7 THA .06 EL1 2270.2 EL2 32.3 ALF 7.68

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.13 LAL .00 LOL 94.01 VL 26.738 GAL -1.62 AZL 86.27 HCA 244.24 SMA 121.85 ECC .20930 INC 3.7310 V1 30.281
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.730 GAP 10.44 ATP 91.62 TAL 186.14 TAP 70.38 RCA 96.35 APO 147.35 V2 34.811
 RC 173.196 GL 25.33 GP -5.96 ZAL 99.67 ZAP 167.58 ETS 331.87 ZAE 130.54 ETE 185.26 ZAC 85.44 ETC 165.32 CLP-169.08

PLANETOCENTRIC CONIC
 C3 16.528 VML 4.066 DLA 20.52 RAL 343.44 RAD 6567.7 VEL 11.744 PTH 2.07 VMP 6.924 DPA -12.88 RAP 353.78 ECC 1.2720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 38 2869.70 -28.32 86.92 208.89 90.26 1 50 27 2269.7 -27.98 78.27
 90.00 18 51 41 4114.02 -2.73 167.18 202.35 61.80 20 0 15 3514.0 -6.48 160.51
 100.00 2 37 26 2564.02 -29.83 64.40 208.86 91.97 3 20 10 1964.0 -29.24 55.64
 100.00 19 59 34 3894.93 -1.41 150.34 201.62 60.14 21 4 29 3294.9 -5.37 143.80
 110.00 4 14 19 2260.87 -33.65 41.04 208.53 96.41 4 52 0 1660.9 -32.40 32.04
 110.00 20 39 10 3770.85 1.84 138.91 199.59 55.86 21 42 0 3170.8 -2.66 132.71

DIFFERENTIAL CORRECTIONS
 TOE 1.6460 TRA -.5689 TC3-5.4231 BAU 1.1992 SGT 5055.5 SGR 365.6 SG3 157.9 ST 2337.6 SR 316.2 SS 605.7
 RDE .2236 RRA -.0555 RC3 .2034 FAU .03335 RRT .0396 RRF .0467 RTF .8749 CRT .9969 CRS -.9672 CST -.9607
 FDE .7073 FRA .3814 FC3-1.7470 BSP 16084 SGB 5068.7 R23 .0119 R13 .8750 LSA 2429.8 MSA 163.2 SSA 22.2
 BOE 1.6611 BRA .5716 BC3 5.4269 FSP -515 SG1 5055.5 SG2 365.3 THA .16 EL1 2358.8 EL2 24.6 ALF 7.68

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 26 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 493.570

RL 147.13 LAL .00 LOL 94.01 VL 26.682 GAL -1.15 AZL 86.34 MCA 247.41 SMA 121.52 ECC .21165 INC 3.6627 V1 30.281
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.696 GAP 10.67 AZP 91.41 TAL 184.29 TAP 71.69 RCA 95.80 APO 147.24 V2 34.817
 RC 175.278 GL 24.80 GP -5.69 ZAL 96.54 ZAP 168.38 ETS 331.31 ZAE 130.66 ETE 185.06 ZAC 87.68 ETC 165.76 CLP-169.85

PLANETOCENTRIC CONIC

C3 16.502 VHL 4.062 DLA 21.39 RAL 346.76 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 7.059 DPA -11.67 RAP 355.90 ECC 1.2716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 18 2907.86 -28.30 89.71 212.52 88.86 1 53 46 2307.9 -28.15 81.05
 90.00 19 15 29 4075.14 -3.98 165.01 205.98 61.94 20 23 24 3475.1 -7.71 158.31
 100.00 2 41 20 2598.24 -29.89 66.94 212.52 90.63 3 24 38 1998.2 -29.48 58.16
 100.00 20 22 8 3859.99 -2.59 148.42 205.21 60.21 21 26 28 3260.0 -6.54 141.86
 110.00 4 20 26 2288.20 -33.84 43.16 212.29 95.18 4 58 34 1688.2 -32.75 34.09
 110.00 20 59 32 3742.79 .76 137.45 203.12 55.82 22 1 55 3142.8 -3.72 131.24

DIFFERENTIAL CORRECTIONS

TDE 1.7140 TRA -.3851 TC3-5.4961 BAU 1.2133
 ROE .2313 RRA -.0618 RC3 .1983 FAU .03166
 FOE .6975 FRA .4264 FC3-1.6610 BSP 16283
 BOE 1.7296 BRA .3900 BC3 5.4997 FSP -505

MID-COURSE EXECUTION ACCURACY

SGT 5111.1 SGR 375.7 SG3 154.7
 RRT .0645 RRF .0641 RTF .8771
 SGB 5124.9 R23 .0072 R13 .8771
 SGI 5111.2 SG2 375.0 TMA .27

ORBIT DETERMINATION ACCURACY

ST 2427.5 SR 327.5 SS 612.0
 CRT .9975 CRS -.9595 CST -.9646
 LSA 2519.8 MSA 157.0 SSA 22.9
 EL1 2449.4 EL2 23.1 ALF 7.67

LAUNCH DATE DEC 26 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 499.197

RL 147.13 LAL .00 LOL 94.01 VL 26.628 GAL -.66 AZL 86.40 MCA 250.58 SMA 121.20 ECC .21425 INC 3.5975 V1 30.281
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.663 GAP 10.91 AZP 91.20 TAL 182.43 TAP 73.00 RCA 95.23 APO 147.16 V2 34.824
 RC 177.341 GL 24.22 GP -5.45 ZAL 93.31 ZAP 169.16 ETS 330.56 ZAE 130.77 ETE 184.89 ZAC 89.94 ETC 166.15 CLP-170.61

PLANETOCENTRIC CONIC

C3 16.590 VHL 4.073 DLA 22.26 RAL 350.20 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 7.201 DPA -10.47 RAP 358.03 ECC 1.2730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 57 2948.98 -28.20 92.71 216.35 87.36 1 57 6 2349.0 -28.27 84.05
 90.00 19 40 16 4036.45 -5.22 162.83 209.86 62.13 20 47 32 3436.4 -8.91 156.10
 100.00 2 45 22 2634.87 -29.88 69.66 216.41 89.20 3 29 17 2034.9 -29.67 60.86
 100.00 20 45 32 3825.79 -3.75 146.54 209.05 60.32 21 49 17 3225.8 -7.67 139.95
 110.00 4 26 52 2317.32 -33.99 45.42 216.28 93.85 5 5 29 1717.3 -33.09 36.29
 110.00 21 20 31 3716.11 -.26 136.05 206.87 55.82 22 22 27 3116.1 -4.74 129.84

DIFFERENTIAL CORRECTIONS

TDE 1.7821 TRA -.1934 TC3-5.5326 BAU 1.2278
 ROE .2399 RRA -.0670 RC3 .1902 FAU .03009
 FOE .6860 FRA .4686 FC3-1.5700 BSP 16536
 BOE 1.7982 BRA .2046 BC3 5.5358 FSP -500

MID-COURSE EXECUTION ACCURACY

SGT 5165.6 SGR 385.0 SG3 151.5
 RRT .0892 RRF .0813 RTF .8804
 SGB 5179.9 R23 .0023 R13 .8804
 SGI 5165.7 SG2 383.5 TMA .38

ORBIT DETERMINATION ACCURACY

ST 2512.1 SR 338.8 SS 615.4
 CRT .9962 CRS -.9515 CST -.9681
 LSA 2603.9 MSA 151.6 SSA 23.4
 EL1 2534.7 EL2 29.3 ALF 7.65

LAUNCH DATE DEC 26 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 504.806

RL 147.13 LAL .00 LOL 94.01 VL 26.574 GAL -.16 AZL 86.47 MCA 253.74 SMA 120.88 ECC .21713 INC 3.5347 V1 30.281
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.631 GAP 11.17 AZP 90.99 TAL 180.57 TAP 74.31 RCA 94.63 APO 147.13 V2 34.832
 RC 179.385 GL 23.58 GP -5.24 ZAL 90.01 ZAP 169.91 ETS 329.59 ZAE 130.89 ETE 184.74 ZAC 92.22 ETC 166.51 CLP-171.36

PLANETOCENTRIC CONIC

C3 16.802 VHL 4.099 DLA 23.09 RAL 353.74 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 7.351 DPA -9.28 RAP .17 ECC 1.2765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 36 2992.80 -28.02 95.91 220.39 85.77 2 0 28 2392.8 -28.32 87.25
 90.00 20 5 53 3998.44 -6.42 160.69 213.98 62.36 21 12 32 3398.4 -10.07 153.92
 100.00 2 49 36 2673.56 -29.81 72.54 220.51 87.69 3 34 10 2073.6 -29.81 63.73
 100.00 21 9 34 3792.91 -4.85 144.73 213.12 60.47 22 12 47 3192.9 -8.75 138.11
 110.00 4 33 42 2347.88 -34.11 47.80 220.51 92.44 5 12 50 1747.9 -33.39 38.63
 110.00 21 41 57 3691.36 -1.20 134.76 210.85 55.84 22 43 28 3091.4 -5.68 128.54

DIFFERENTIAL CORRECTIONS

TDE 1.8549 TRA .0131 TC3-5.5130 BAU 1.2390
 ROE .2495 RRA -.0711 RC3 .1802 FAU .02832
 FOE .6763 FRA .5116 FC3-1.4594 BSP 16660
 BOE 1.8716 BRA .0723 BC3 5.5160 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 5210.5 SGR 393.8 SG3 147.9
 RRT .1143 RRF .1024 RTF .8829
 SGB 5225.3 R23 .0009 R13 .8829
 SGI 5210.7 SG2 391.2 TMA .50

ORBIT DETERMINATION ACCURACY

ST 2596.3 SR 350.3 SS 618.9
 CRT .9934 CRS -.9434 CST -.9714
 LSA 2687.7 MSA 147.7 SSA 23.6
 EL1 2619.5 EL2 39.8 ALF 7.64

LAUNCH DATE DEC 26 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 510.392

RL 147.13 LAL .00 LOL 94.01 VL 26.521 GAL .37 AZL 86.53 MCA 256.91 SMA 120.57 ECC .22032 INC 3.4739 V1 30.281
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.601 GAP 11.44 AZP 90.79 TAL 178.70 TAP 75.62 RCA 94.01 APO 147.14 V2 34.840
 RC 181.409 GL 22.84 GP -5.04 ZAL 86.66 ZAP 170.64 ETS 328.37 ZAE 131.01 ETE 184.61 ZAC 94.52 ETC 166.82 CLP-172.10

PLANETOCENTRIC CONIC

C3 17.148 VHL 4.141 DLA 23.88 RAL 357.37 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 7.511 DPA -8.11 RAP 2.32 ECC 1.2822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 19 3038.87 -27.75 99.25 224.61 84.11 2 3 58 2438.9 -28.27 90.62
 90.00 20 32 8 3961.76 -7.58 158.61 218.33 62.63 21 38 10 3361.8 -11.18 151.79
 100.00 2 54 8 2713.82 -29.66 75.52 224.80 86.12 3 39 22 2113.8 -29.88 66.72
 100.00 21 34 0 3762.05 -5.88 143.02 217.41 60.64 22 36 42 3162.0 -9.75 136.37
 110.00 4 41 1 2379.43 -34.17 50.26 224.93 90.99 5 20 40 1779.4 -33.66 41.05
 110.00 22 3 37 3669.19 -2.05 133.61 215.03 55.87 23 4 46 3069.2 -6.51 127.37

DIFFERENTIAL CORRECTIONS

TDE 1.9272 TRA .2314 TC3-5.4496 BAU 1.2499
 ROE .2603 RRA -.0736 RC3 .1677 FAU .02667
 FOE .6681 FRA .5581 FC3-1.3467 BSP 16814
 BOE 1.9447 BRA .2428 BC3 5.4522 FSP -474

MID-COURSE EXECUTION ACCURACY

SGT 5255.9 SGR 401.8 SG3 144.9
 RRT .1394 RRF .1246 RTF .8848
 SGB 5269.2 R23 .0005 R13 .8848
 SGI 5254.2 SG2 397.8 TMA .61

ORBIT DETERMINATION ACCURACY

ST 2672.0 SR 361.7 SS 622.4
 CRT .9894 CRS -.9349 CST -.9740
 LSA 2763.3 MSA 146.4 SSA 23.6
 EL1 2695.8 EL2 52.1 ALF 7.63

LAUNCH DATE DEC 26 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 515.954

RL 147.13 LAL .00 LOL 94.01 VL 26.469 GAL .91 AZL 86.59 MCA 260.09 SMA 120.27 ECC .22382 INC 3.4146 V1 30.281
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.571 GAP 11.72 AZP 90.59 TAL 176.84 TAP 76.93 RCA 93.35 APO 147.19 V2 34.849
 RC 183.413 GL 22.04 GP -4.87 ZAL 83.27 ZAP 171.35 ETS 326.84 ZAE 131.13 ETE 184.50 ZAC 96.83 ETC 167.10 CLP-172.84

PLANETOCENTRIC CONIC

C3 17.642 VHL 4.200 OLA 24.61 RAL 1.07 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 7.680 DPA -6.94 RAP 4.48 ECC 1.2903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 12 3086.77 -27.37 102.70 228.99 82.42 2 7 39 2486.8 -28.13 94.12
 90.00 20 58 47 3927.02 -8.66 156.63 222.89 62.93 22 4 14 3327.0 -12.22 149.77
 100.00 2 59 4 2755.12 -29.43 78.57 229.26 84.54 3 44 59 2155.1 -29.88 69.79
 100.00 21 58 36 3733.89 -6.82 141.45 221.90 60.83 23 0 50 3133.9 -10.66 134.77
 110.00 4 48 52 2411.58 -34.18 52.77 229.55 89.50 5 29 4 1811.6 -33.87 43.54
 110.00 22 25 17 3630.20 -2.77 132.62 219.40 55.92 23 26 7 3050.2 -7.23 126.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9965 TRA .4587 TC3-5.3440 BAU 1.2609 SGT 5295.7 SGR 408.7 SG3 141.7 ST 2734.6 SR 372.7 SS 620.8
 RDE .2721 RRA -.0751 RC3 .1532 FAU .02520 RRT .1644 RRF .1452 RTF .8890 CRT .9844 CRS -.9264 CST -.9765
 FDE .6562 FRA .5993 FC3-1.2364 BSP 16976 SGB 5311.4 R23 -.0018 R13 .8890 LSA 2825.0 MSA 145.7 SSA 23.3
 BDE 2.0150 BRA .4648 BC3 5.3462 FSP -465 SG1 5296.1 SG2 403.1 TMA .73 EL1 2759.2 EL2 65.0 ALF 7.65

LAUNCH DATE DEC 26 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 521.489

RL 147.13 LAL .00 LOL 94.01 VL 26.418 GAL 1.48 AZL 86.64 MCA 263.26 SMA 119.98 ECC .22768 INC 3.3565 V1 30.281
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.543 GAP 12.03 AZP 90.39 TAL 174.98 TAP 78.24 RCA 92.66 APO 147.29 V2 34.858
 RC 185.395 GL 21.19 GP -4.71 ZAL 79.87 ZAP 172.04 ETS 324.96 ZAE 131.25 ETE 184.40 ZAC 99.16 ETC 167.34 CLP-173.57

PLANETOCENTRIC CONIC

C3 18.300 VHL 4.278 OLA 25.27 RAL 4.82 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 7.861 DPA -5.79 RAP 6.64 ECC 1.3012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 20 3135.91 -26.87 106.22 233.49 80.73 2 11 36 2535.9 -27.88 97.69
 90.00 21 25 33 3894.94 -9.65 154.80 227.62 63.25 22 30 27 3294.9 -13.16 147.88
 100.00 3 4 31 2796.84 -29.12 81.63 233.86 82.95 3 51 7 2196.8 -29.79 72.89
 100.00 22 23 3 3709.24 -7.64 140.08 226.55 61.01 23 24 53 3109.2 -11.45 133.36
 110.00 4 57 20 2443.84 -34.13 55.29 234.32 88.01 5 38 4 1843.8 -34.03 46.04
 110.00 22 46 43 3635.00 -3.35 131.82 223.91 55.96 23 47 18 3035.0 -7.80 125.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0659 TRA .7018 TC3-5.1849 BAU 1.2689 SGT 5330.6 SGR 414.9 SG3 138.5 ST 2787.7 SR 383.5 SS 618.9
 RDE .2852 RRA -.0750 RC3 .1377 FAU .02362 RRT .1894 RRF .1683 RTF .8923 CRT .9786 CRS -.9179 CST -.9786
 FDE .6457 FRA .6431 FC3-1.1174 BSP 17074 SGB 5346.7 R23 -.0017 R13 .8923 LSA 2812.9 MSA 147.1 SSA 22.7
 BDE 2.0855 BRA .7058 BC3 5.1868 FSP -455 SG1 5331.2 SG2 407.4 TMA .85 EL1 2812.9 EL2 78.2 ALF 7.67

LAUNCH DATE DEC 26 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 526.992

RL 147.13 LAL .00 LOL 94.01 VL 26.367 GAL 2.07 AZL 86.70 MCA 266.43 SMA 119.69 ECC .23192 INC 3.2990 V1 30.281
 RP 108.68 LAP -3.29 LOP 357.44 VP 36.516 GAP 12.35 AZP 90.21 TAL 173.12 TAP 79.56 RCA 91.93 APO 147.45 V2 34.868
 RC 187.357 GL 20.28 GP -4.56 ZAL 76.48 ZAP 172.70 ETS 322.62 ZAE 131.37 ETE 184.31 ZAC 101.50 ETC 167.55 CLP-174.29

PLANETOCENTRIC CONIC

C3 19.140 VHL 4.375 OLA 25.85 RAL 8.59 RAD 6567.8 VEL 11.854 PTH 2.10 VHP 8.053 DPA -4.64 RAP 8.81 ECC 1.3150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 53 3185.57 -26.28 109.73 238.10 79.06 2 15 58 2585.6 -27.53 101.28
 90.00 21 52 3 3866.39 -10.52 153.15 232.50 63.56 22 56 30 3266.4 -13.99 146.19
 100.00 3 10 36 2838.26 -28.74 84.65 238.58 81.41 3 57 54 2238.3 -29.63 75.96
 100.00 22 47 1 3688.92 -8.31 138.94 231.33 61.18 23 48 30 3088.9 -12.09 132.20
 110.00 5 6 27 2475.78 -34.03 57.78 239.23 86.54 5 47 43 1875.8 -34.13 48.53
 110.00 23 7 39 3624.17 -3.77 131.25 228.54 56.00 24 8 3 3024.2 -8.20 124.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1277 TRA .9538 TC3-4.9900 BAU 1.2772 SGT 5362.4 SGR 420.1 SG3 135.1 ST 2820.6 SR 393.5 SS 612.5
 RDE .2994 RRA -.0735 RC3 .1213 FAU .02216 RRT .2135 RRF .1901 RTF .8964 CRT .9722 CRS -.9090 CST -.9803
 FDE .6320 FRA .6845 FC3-1.0023 BSP 17228 SGB 5378.8 R23 -.0024 R13 .8964 LSA 2909.1 MSA 149.8 SSA 21.9
 BDE 2.1487 BRA .9566 BC3 4.9915 FSP -447 SG1 5363.1 SG2 410.4 TMA .96 EL1 2846.4 EL2 91.3 ALF 7.73

LAUNCH DATE DEC 26 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 532.460

RL 147.13 LAL .00 LOL 94.01 VL 26.318 GAL 2.68 AZL 86.76 MCA 269.61 SMA 119.41 ECC .23658 INC 3.2419 V1 30.281
 RP 108.65 LAP -3.24 LOP 357.62 VP 36.490 GAP 12.69 AZP 90.02 TAL 171.27 TAP 80.88 RCA 91.16 APO 147.66 V2 34.878
 RC 189.297 GL 19.32 GP -4.43 ZAL 73.13 ZAP 173.34 ETS 319.74 ZAE 131.49 ETE 184.24 ZAC 103.85 ETC 167.72 CLP-175.02

PLANETOCENTRIC CONIC

C3 20.184 VHL 4.493 OLA 26.35 RAL 12.35 RAD 6567.8 VEL 11.898 PTH 2.11 VHP 8.259 DPA -3.51 RAP 10.99 ECC 1.3322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 27 0 3234.84 -25.60 113.18 242.79 77.46 2 20 55 2634.8 -27.07 104.82
 90.00 22 17 55 3842.33 -11.24 151.76 237.49 63.84 23 21 58 3242.3 -14.67 144.75
 100.00 3 17 30 2878.62 -28.30 87.57 243.39 79.93 4 5 28 2278.6 -29.39 78.94
 100.00 23 10 7 3673.78 -8.80 138.09 236.21 61.32 24 11 20 3073.8 -12.56 131.32
 110.00 5 16 17 2506.97 -33.87 60.20 244.25 85.12 5 58 4 1907.0 -34.18 50.97
 110.00 23 27 49 3618.19 -3.99 130.94 233.26 56.02 24 28 8 3018.2 -8.43 124.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1854 TRA 1.2202 TC3-4.7585 BAU 1.2843 SGT 5391.2 SGR 424.4 SG3 132.0 ST 2838.3 SR 402.7 SS 605.3
 RDE .3148 RRA -.0704 RC3 .1046 FAU .02076 RRT .2375 RRF .2128 RTF .9006 CRT .9652 CRS -.9000 CST -.9819
 FDE .6186 FRA .7273 FC3 -.8904 BSP 17370 SGB 5407.8 R23 -.0025 R13 .9006 LSA 2925.8 MSA 154.0 SSA 21.0
 BDE 2.2080 BRA 1.2223 BC3 4.7596 FSP -438 SG1 5392.1 SG2 412.2 TMA 1.08 EL1 2864.8 EL2 104.3 ALF 7.81

LAUNCH DATE DEC 26 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 537.887

RL 147.13 LAL .00 LOL 94.01 VL 26.269 GAL 3.33 AZL 86.82 MCA 272.79 SMA 119.13 ECC .24169 INC 3.1849 V1 30.281
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.465 GAP 13.06 AZP 89.84 TAL 169.43 TAP 82.22 RCA 90.34 APO 147.92 V2 34.889
 RC 191.216 GL 18.33 GP -4.31 ZAL 69.83 ZAP 173.94 ETS 316.15 ZAE 131.61 ETE 184.17 ZAC 106.20 ETC 167.85 CLP-175.74

PLANETOCENTRIC CONIC

C3 21.459 VHL 4.632 DLA 26.75 RAL 16.07 RAD 6567.9 VEL 11.952 PTH 2.13 VHP 8.481 DPA -2.38 RAP 13.17 ECC 1.3532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 31 59 3282.59 -24.85 116.47 247.53 75.97 2 26 41 2682.6 -26.54 108.21
 90.00 22 42 40 3823.93 -11.79 150.68 242.55 64.07 23 46 24 3223.9 -15.19 143.65
 100.00 3 25 21 2917.11 -27.81 90.33 248.28 78.56 4 13 58 2317.1 -29.10 81.76
 100.00 23 31 58 3664.65 -9.10 137.58 241.13 61.40 24 33 3 3064.6 -12.85 130.79
 110.00 5 26 48 2537.07 -33.68 62.53 249.34 83.75 6 9 5 1937.1 -34.17 53.32
 110.00 23 47 0 3617.45 -4.02 130.90 238.03 56.03 24 47 18 3017.5 -8.46 124.62

DIFFERENTIAL CORRECTIONS

TOE 2.2379 TRA 1.5010 TC3-4.4935 BAU 1.2894
 RDE .3314 RRA -.0656 RC3 .0882 FAU .01937
 FDE .6049 FRA .7705 FC3 -.7814 BSP 17500
 BOE 2.2623 BRA 1.5024 BC3 4.4944 FSP -430

MID-COURSE EXECUTION ACCURACY

SGT 5414.3 SGR 427.7 SG3 128.8
 RRT .2614 RRF .2360 RTF .9048
 SGB 5431.2 R23 -.0019 R13 .9048
 SG1 5415.5 SG2 412.8 TMA 1.19

ORBIT DETERMINATION ACCURACY

ST 2840.1 SR 410.8 SS 596.5
 CRT .9576 CRS -.8907 CST -.9832
 LSA 2926.6 MSA 159.3 SSA 20.1
 EL1 2867.2 EL2 117.2 ALF 7.90

LAUNCH DATE DEC 26 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 543.267

RL 147.13 LAL .00 LOL 94.01 VL 26.221 GAL 4.01 AZL 86.87 MCA 275.97 SMA 118.86 ECC .24731 INC 3.1274 V1 30.281
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.441 GAP 13.45 AZP 89.67 TAL 167.60 TAP 83.57 RCA 89.47 APO 148.26 V2 34.900
 RC 193.113 GL 17.31 GP -4.20 ZAL 66.61 ZAP 174.51 ETS 311.69 ZAE 131.72 ETE 184.12 ZAC 108.56 ETC 167.95 CLP-176.46

PLANETOCENTRIC CONIC

C3 22.994 VHL 4.795 DLA 27.05 RAL 19.73 RAD 6567.9 VEL 12.016 PTH 2.14 VHP 8.718 DPA -1.27 RAP 15.36 ECC 1.3784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 9 3327.41 -24.08 119.53 252.32 74.63 2 33 36 2727.4 -25.96 111.36
 90.00 23 5 43 3812.60 -12.13 150.02 247.61 64.22 24 9 15 3212.6 -15.50 142.97
 100.00 3 34 18 2952.99 -27.30 92.87 253.22 77.32 4 23 31 2353.0 -28.77 84.38
 100.00 23 52 15 3682.26 -9.18 137.44 246.07 61.43 24 53 17 3062.3 -12.92 130.66
 110.00 5 38 2 2565.82 -33.44 64.74 254.48 82.46 6 20 47 1965.8 -34.12 55.56
 110.00 0 8 57 3622.20 -3.84 131.15 242.81 56.01 1 9 19 3022.2 -8.28 124.87

DIFFERENTIAL CORRECTIONS

TDE 2.2876 TRA 1.8005 TC3-4.1992 BAU 1.2911
 RDE .3490 RRA -.0590 RC3 .0727 FAU .01797
 FDE .5920 FRA .8161 FC3 -.6766 BSP 17541
 BOE 2.3141 BRA 1.8015 BC3 4.1999 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5433.7 SGR 430.2 SG3 125.8
 RRT .2856 RRF .2602 RTF .9089
 SGB 5450.7 R23 -.0009 R13 .9089
 SG1 5435.1 SG2 412.2 TMA 1.30

ORBIT DETERMINATION ACCURACY

ST 2830.4 SR 417.7 SS 587.7
 CRT .9494 CRS -.8811 CST -.9845
 LSA 2916.0 MSA 165.7 SSA 19.1
 EL1 2858.1 EL2 130.0 ALF 7.99

LAUNCH DATE DEC 26 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 548.594

RL 147.13 LAL .00 LOL 94.01 VL 26.173 GAL 4.72 AZL 86.93 MCA 279.15 SMA 118.60 ECC .25348 INC 3.0693 V1 30.281
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.418 GAP 13.87 AZP 89.51 TAL 165.78 TAP 84.93 RCA 88.54 APO 148.66 V2 34.912
 RC 194.989 GL 16.28 GP -4.10 ZAL 63.48 ZAP 175.03 ETS 306.12 ZAE 131.83 ETE 184.07 ZAC 110.91 ETC 168.02 CLP-177.19

PLANETOCENTRIC CONIC

C3 24.828 VHL 4.983 DLA 27.26 RAL 23.31 RAD 6568.0 VEL 12.092 PTH 2.16 VHP 8.975 DPA -.18 RAP 17.55 ECC 1.4086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 57 3367.65 -23.32 122.24 257.15 73.47 2 42 4 2767.7 -25.37 114.16
 90.00 23 26 28 3809.94 -12.21 149.87 252.65 64.25 24 29 58 3209.9 -15.57 142.81
 100.00 3 44 27 2985.61 -26.79 95.16 258.19 76.21 4 34 13 2385.6 -28.42 86.74
 100.00 0 14 34 3667.21 -9.02 137.72 250.98 61.38 1 15 41 3067.2 -12.77 130.94
 110.00 5 49 54 2593.05 -33.18 66.82 259.66 81.26 6 33 7 1993.1 -34.03 57.69
 110.00 0 25 37 3632.53 -3.45 131.69 247.57 55.97 1 26 9 3032.5 -7.89 125.42

DIFFERENTIAL CORRECTIONS

TOE 2.3276 TRA 2.1122 TC3-3.8939 BAU 1.2927
 RDE .3675 RRA -.0508 RC3 .0582 FAU .01669
 FDE .5773 FRA .8611 FC3 -.5819 BSP 17663
 BOE 2.3564 BRA 2.1128 BC3 3.8943 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 5448.6 SGR 431.5 SG3 122.7
 RRT .3089 RRF .2834 RTF .9136
 SGB 5465.6 R23 -.0005 R13 .9136
 SG1 5450.2 SG2 410.3 TMA 1.41

ORBIT DETERMINATION ACCURACY

ST 2801.5 SR 423.0 SS 576.5
 CRT .9405 CRS -.8710 CST -.9856
 LSA 2886.1 MSA 172.7 SSA 18.1
 EL1 2829.7 EL2 142.3 ALF 8.10

LAUNCH DATE DEC 26 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 553.857

RL 147.13 LAL .00 LOL 94.01 VL 26.126 GAL 5.47 AZL 86.99 MCA 282.34 SMA 118.34 ECC .26026 INC 3.0101 V1 30.281
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.396 GAP 14.33 AZP 89.36 TAL 163.98 TAP 86.32 RCA 87.54 APO 149.14 V2 34.924
 RC 196.842 GL 15.24 GP -4.01 ZAL 60.45 ZAP 175.48 ETS 299.20 ZAE 131.93 ETE 184.02 ZAC 113.27 ETC 168.04 CLP-177.92

PLANETOCENTRIC CONIC

C3 27.004 VHL 5.197 DLA 27.38 RAL 26.78 RAD 6568.1 VEL 12.181 PTH 2.19 VHP 9.253 DPA .91 RAP 19.75 ECC 1.4444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 45 3401.76 -22.65 124.51 262.02 72.53 2 52 27 2801.8 -24.82 116.51
 90.00 23 44 20 3817.39 -11.99 150.30 257.60 64.15 24 47 58 3217.4 -15.37 143.26
 100.00 3 55 51 3014.60 -26.30 97.18 263.18 75.26 4 46 5 2414.6 -28.07 88.82
 100.00 0 30 51 3679.78 -8.61 138.43 255.82 61.26 1 32 11 3079.8 -12.38 131.67
 110.00 6 2 20 2618.75 -32.90 68.77 264.84 80.13 6 45 59 2018.8 -33.91 59.68
 110.00 0 40 51 3648.39 -2.84 132.52 252.29 55.92 1 41 40 3048.4 -7.30 126.26

DIFFERENTIAL CORRECTIONS

TOE 2.3627 TRA 2.4423 TC3-5.5772 BAU 1.2915
 RDE .3867 RRA -.0407 RC3 .0451 FAU .01543
 FDE .5632 FRA .9079 FC3 -.4945 BSP 17756
 BOE 2.3941 BRA 2.4427 BC3 5.5774 FSP -403

MID-COURSE EXECUTION ACCURACY

SGT 5459.4 SGR 431.9 SG3 119.7
 RRT .3322 RRF .3069 RTF .9182
 SGB 5476.5 R23 -.0002 R13 .9182
 SG1 5461.3 SG2 407.2 TMA 1.51

ORBIT DETERMINATION ACCURACY

ST 2761.6 SR 426.6 SS 565.4
 CRT .9309 CRS -.8604 CST -.9866
 LSA 2845.2 MSA 180.2 SSA 17.1
 EL1 2790.1 EL2 154.3 ALF 8.21

LAUNCH DATE DEC 26 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

RL 147.13 LAL .00 LOL 94.01 VL 26.081 GAL 6.27 AZL 87.05 MCA 285.52 SMA 118.09 ECC .26772 INC 2.9494 V1 30.281
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.375 GAP 14.83 AZP 89.21 TAL 162.20 TAP 87.73 RCA 86.47 APO 149.70 V2 34.936
 RC 198.673 GL 14.20 GP -3.93 ZAL 57.54 ZAP 175.85 ETS 290.73 ZAE 132.02 ETE 183.99 ZAC 115.62 ETC 168.03 CLP -178.66

PLANETOCENTRIC CONIC

C3 29.576 VHL 5.438 DLA 27.42 RAL 30.13 RAD 6568.2 VEL 12.286 PTH 2.21 VMP 9.554 DPA 1.97 RAP 21.95 ECC 1.4867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 47 3428.74 -22.08 126.29 266.93 71.81 3 4 56 2828.7 -24.36 118.36
 90.00 0 2 55 3835.79 -11.44 151.38 262.42 63.92 1 6 51 3235.8 -14.85 144.36
 100.00 4 8 25 3039.87 -25.85 98.92 268.18 74.44 4 59 5 2439.9 -27.74 90.63
 100.00 0 44 58 3699.90 -7.95 139.56 260.57 61.09 1 46 38 3099.9 -11.74 132.83
 110.00 6 15 15 2642.97 -32.60 70.60 270.00 79.09 6 59 18 2043.0 -33.76 61.56
 110.00 0 54 38 3669.56 -2.04 133.63 256.94 55.87 1 55 47 3069.6 -6.50 127.39

DIFFERENTIAL CORRECTIONS

TDE 2.3922 TRA 2.7917 TC3-3.2559 BAU 1.2875
 RDE .4065 RRA -.0287 RC3 .0336 FAU .01420
 FDE .5494 FRA .9567 FC3 -.4156 BSP 17834
 BDE 2.4265 BRA 2.7919 BC3 3.2561 FSP -394

MID-COURSE EXECUTION ACCURACY

SGT 5465.6 SGR 431.2 SG3 116.8
 RRT .3552 RRF .3305 RTF .9230
 SGB 5482.6 R23 .0009 R13 .9230
 SG1 5467.7 SG2 402.9 TMA 1.61

ORBIT DETERMINATION ACCURACY

ST 2711.3 SR 428.4 SS 554.5
 CRT .9204 CRS -.8493 CST -.9877
 LSA 2794.0 MSA 187.8 SSA 16.2
 EL1 2739.9 EL2 165.7 ALF 8.31

LAUNCH DATE DEC 26 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

RL 147.13 LAL .00 LOL 94.01 VL 26.036 GAL 7.11 AZL 87.11 MCA 288.71 SMA 117.84 ECC .27595 INC 2.8867 V1 30.281
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.354 GAP 15.37 AZP 89.07 TAL 160.45 TAP 89.17 RCA 85.32 APO 150.36 V2 34.948
 RC 200.481 GL 13.17 GP -3.85 ZAL 54.75 ZAP 176.10 ETS 280.70 ZAE 132.09 ETE 183.95 ZAC 117.96 ETC 167.98 CLP -179.41

PLANETOCENTRIC CONIC

C3 32.608 VHL 5.710 DLA 27.38 RAL 33.33 RAD 6568.3 VEL 12.409 PTH 2.24 VMP 9.882 DPA 3.01 RAP 24.15 ECC 1.5366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 56 3448.73 -21.65 127.59 271.87 71.29 3 19 25 2848.7 -24.01 119.71
 90.00 0 14 19 3864.84 -10.56 153.06 267.08 63.57 1 18 44 3264.8 -14.03 146.10
 100.00 4 22 1 3061.66 -25.44 100.41 273.17 73.76 5 13 2 2461.7 -27.43 92.17
 100.00 0 56 56 3727.14 -7.05 141.08 265.21 60.87 1 59 3 3127.1 -10.88 134.38
 110.00 6 28 29 2665.88 -32.29 72.32 275.13 78.12 7 12 55 2065.9 -33.59 63.33
 110.00 1 6 57 3695.69 -1.04 134.99 261.50 55.83 2 8 33 3095.7 -5.51 128.76

DIFFERENTIAL CORRECTIONS

TDE 2.4202 TRA 3.1647 TC3-2.9328 BAU 1.2786
 RDE .4270 RRA -.0147 RC3 .0239 FAU .01296
 FDE .5371 FRA 1.0087 FC3 -.3440 BSP 17826
 BDE 2.4576 BRA 3.1647 BC3 2.9329 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 5468.5 SGR 429.6 SG3 114.1
 RRT .3787 RRF .3547 RTF .9279
 SGB 5485.3 R23 .0016 R13 .9279
 SG1 5470.9 SG2 397.4 TMA 1.71

ORBIT DETERMINATION ACCURACY

ST 2656.7 SR 428.4 SS 545.0
 CRT .9092 CRS -.8379 CST -.9887
 LSA 2738.7 MSA 195.3 SSA 15.4
 EL1 2685.2 EL2 176.5 ALF 8.38

LAUNCH DATE DEC 26 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

RL 147.13 LAL .00 LOL 94.01 VL 25.992 GAL 8.01 AZL 87.18 MCA 291.90 SMA 117.60 ECC .28502 INC 2.8216 V1 30.281
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.335 GAP 15.96 AZP 88.95 TAL 158.74 TAP 90.64 RCA 84.08 APO 151.12 V2 34.961
 RC 202.264 GL 12.16 GP -3.78 ZAL 52.10 ZAP 176.22 ETS 269.47 ZAE 132.15 ETE 183.92 ZAC 120.30 ETC 167.89 CLP 179.82

PLANETOCENTRIC CONIC

C3 36.179 VHL 6.015 DLA 27.27 RAL 36.38 RAD 6568.4 VEL 12.552 PTH 2.27 VMP 10.240 DPA 4.04 RAP 26.35 ECC 1.5954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 46 3462.89 -21.34 128.51 276.82 70.93 3 35 29 2862.9 -23.75 120.67
 90.00 0 22 50 3903.13 -9.39 155.27 271.59 63.16 1 27 53 3303.1 -12.92 148.36
 100.00 4 36 24 3080.47 -25.08 101.69 278.14 73.18 5 27 44 2480.5 -27.14 93.50
 100.00 1 6 53 3760.79 -5.93 142.95 269.72 60.65 2 9 34 3160.8 -9.79 136.30
 110.00 6 41 55 2687.66 -31.97 73.94 280.21 77.21 7 26 43 2087.7 -33.40 65.00
 110.00 1 17 51 3726.37 .14 136.59 265.96 55.82 2 19 58 3126.4 -4.35 130.38

DIFFERENTIAL CORRECTIONS

TDE 2.4406 TRA 3.5562 TC3-2.6218 BAU 1.2681
 RDE .4476 RRA .0011 RC3 .0157 FAU .01180
 FDE .5245 FRA 1.0622 FC3 -.2825 BSP 17898
 BDE 2.4813 BRA 3.5562 BC3 2.6218 FSP -376

MID-COURSE EXECUTION ACCURACY

SGT 5466.0 SGR 426.8 SG3 111.3
 RRT .4013 RRF .3781 RTF .9329
 SGB 5482.6 R23 .0019 R13 .9329
 SG1 5468.7 SG2 390.7 TMA 1.80

ORBIT DETERMINATION ACCURACY

ST 2592.5 SR 426.4 SS 535.5
 CRT .8971 CRS -.8259 CST -.9897
 LSA 2673.6 MSA 202.5 SSA 14.6
 EL1 2620.7 EL2 186.4 ALF 8.44

LAUNCH DATE DEC 26 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

RL 147.13 LAL .00 LOL 94.01 VL 25.948 GAL 8.97 AZL 87.25 MCA 295.10 SMA 117.37 ECC .29506 INC 2.7534 V1 30.281
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.317 GAP 16.60 AZP 88.83 TAL 157.06 TAP 92.16 RCA 82.74 APO 152.00 V2 34.974
 RC 204.023 GL 11.17 GP -3.72 ZAL 49.59 ZAP 176.16 ETS 257.79 ZAE 132.19 ETE 183.89 ZAC 122.61 ETC 167.75 CLP 179.04

PLANETOCENTRIC CONIC

C3 40.387 VHL 6.355 DLA 27.10 RAL 39.27 RAD 6568.6 VEL 12.718 PTH 2.31 VMP 10.633 DPA 5.04 RAP 28.55 ECC 1.6647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 39 3472.95 -21.11 129.17 281.75 70.68 3 52 32 2873.0 -23.56 121.35
 90.00 0 29 0 3948.68 -7.98 157.87 275.92 62.74 1 34 49 3348.7 -11.58 151.03
 100.00 4 51 18 3096.91 -24.75 102.80 283.05 72.68 5 42 55 2496.9 -26.89 94.65
 100.00 1 15 2 3799.95 -4.61 145.12 274.09 60.43 2 18 22 3200.0 -8.52 138.50
 110.00 6 55 25 2708.54 -31.65 75.48 285.22 76.35 7 40 33 2108.5 -33.20 66.59
 110.00 1 27 25 3761.08 1.46 138.40 270.31 55.84 2 30 6 3161.1 -3.03 132.20

DIFFERENTIAL CORRECTIONS

TDE 2.4582 TRA 3.9741 TC3-2.3202 BAU 1.2528
 RDE .4685 RRA .0190 RC3 .0092 FAU .01067
 FDE .5129 FRA 1.1191 FC3 -.2286 BSP 17939
 BDE 2.5024 BRA 3.9742 BC3 2.3202 FSP -368

MID-COURSE EXECUTION ACCURACY

SGT 5459.7 SGR 423.0 SG3 108.7
 RRT .4239 RRF .4015 RTF .9381
 SGB 5476.0 R23 .0022 R13 .9381
 SG1 5462.6 SG2 382.9 TMA 1.89

ORBIT DETERMINATION ACCURACY

ST 2525.4 SR 422.4 SS 527.4
 CRT .8840 CRS -.8136 CST -.9907
 LSA 2605.8 MSA 209.2 SSA 13.8
 EL1 2553.0 EL2 195.3 ALF 8.46

LAUNCH DATE DEC 26 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 578.766

RL 147.13 LAL .00 LOL 94.01 VL 25.906 GAL 10.01 AZL 87.32 MCA 298.29 SMA 117.14 ECC .30618 INC 2.6815 V1 30.281
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.299 GAP 17.31 A7P 88.73 TAL 155.43 TAP 93.72 RCA 81.28 APO 153.01 V2 34.987
 RC 205.757 GL 10.21 GP -3.66 ZAL 47.22 ZAP 175.94 ETS 246.64 ZAE 132.21 ETE 183.86 ZAC 124.91 ETC 167.56 CLP 178.24

PLANETOCENTRIC CONIC

C3 45.352 VHL 6.734 DLA 26.87 RAL 41.99 RAD 6568.7 VEL 12.912 PTH 2.35 VMP 11.065 DPA 6.02 RAP 30.74 ECC 1.7464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 1 3480.53 -20.94 129.66 286.62 70.49 4 10 2 2880.5 -23.41 121.85
 90.00 0 33 21 3999.53 -6.39 160.75 280.11 62.35 1 40 0 3399.5 -10.04 153.98
 100.00 5 6 28 3111.62 -24.45 103.79 287.90 72.25 5 58 19 2511.6 -26.65 95.68
 100.00 1 21 36 3843.67 -3.14 147.53 278.33 60.26 2 25 39 3243.7 -7.08 140.95
 110.00 7 8 49 2728.73 -31.31 76.96 290.14 75.53 7 54 18 2128.7 -32.98 68.13
 110.00 1 35 43 3799.32 2.92 140.40 274.55 55.93 2 39 3 3199.3 -1.57 134.19

DIFFERENTIAL CORRECTIONS

TDE 2.4785 TRA 4.4235 TC3-2.0289 BAU 1.2301
 RDE .4897 RRA .0390 RC3 .0044 FAU .00949
 FDE .5037 FRA 1.1810 FC3 -.1811 BSP 17872
 BDE 2.5264 BRA 4.4237 BC3 2.0289 FSP -358

MID-COURSE EXECUTION ACCURACY

SGT 5451.1 SGR 418.3 SG3 106.2
 RRT .4469 RRF .4257 RTF .9433
 SGB 5467.1 R23 .0024 R13 .9433
 SGI 5454.3 SG2 374.0 THA 1.97

ORBIT DETERMINATION ACCURACY

ST 2460.8 SR 416.7 SS 521.8
 CRT .8704 CRS -.8015 CST -.9917
 LSA 2540.7 MSA 214.8 SSA 13.1
 EL1 2487.5 EL2 203.0 ALF 8.44

LAUNCH DATE DEC 26 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 583.324

RL 147.13 LAL .00 LOL 94.01 VL 25.865 GAL 11.12 AZL 87.39 MCA 301.49 SMA 116.92 ECC .31853 INC 2.6051 V1 30.281
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.282 GAP 18.10 A7P 88.64 TAL 153.86 TAP 95.35 RCA 79.68 APO 154.16 V2 35.000
 RC 207.465 GL 9.28 GP -3.60 ZAL 45.00 ZAP 175.56 ETS 236.74 ZAE 132.20 ETE 183.83 ZAC 127.18 ETC 167.33 CLP 177.41

PLANETOCENTRIC CONIC

C3 51.224 VHL 7.157 DLA 26.59 RAL 44.54 RAD 6568.9 VEL 13.137 PTH 2.40 VMP 11.543 DPA 6.96 RAP 32.92 ECC 1.8430
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 26 3486.84 -20.80 130.06 291.42 70.34 4 27 32 2886.8 -23.29 122.28
 90.00 0 36 17 4054.11 -4.65 163.83 284.15 62.04 1 43 51 3454.1 -8.36 147.11
 100.00 5 21 37 3125.14 -24.17 104.69 292.66 71.85 6 13 43 2525.1 -26.42 96.62
 100.00 1 26 46 3891.04 -1.54 150.13 282.42 60.14 2 31 37 3291.0 -5.50 143.58
 110.00 7 22 2 2748.40 -30.97 78.39 294.97 74.75 8 7 50 2148.4 -32.75 69.62
 110.00 1 42 51 3840.55 4.49 142.56 278.67 56.08 2 46 52 3240.6 .01 136.34

DIFFERENTIAL CORRECTIONS

TDE 2.4930 TRA 4.8989 TC3-1.7583 BAU 1.2041
 RDE .5106 RRA .0608 RC3 .0009 FAU .00839
 FDE .4944 FRA 1.2459 FC3 -.1417 BSP 17917
 BDE 2.5447 BRA 4.8993 BC3 1.7583 FSP -350

MID-COURSE EXECUTION ACCURACY

SGT 5436.3 SGR 412.3 SG3 103.8
 RRT .4689 RRF .4488 RTF .9486
 SGB 5451.9 R23 .0022 R13 .9486
 SGI 5439.7 SG2 364.0 THA 2.05

ORBIT DETERMINATION ACCURACY

ST 2391.6 SR 409.1 SS 516.9
 CRT .8558 CRS -.7887 CST -.9927
 LSA 2471.0 MSA 219.5 SSA 12.5
 EL1 2417.3 EL2 209.4 ALF 8.39

LAUNCH DATE DEC 26 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 587.668

RL 147.13 LAL .00 LOL 94.01 VL 25.825 GAL 12.33 AZL 87.48 MCA 304.69 SMA 116.71 ECC .33230 INC 2.5232 V1 30.281
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.266 GAP 18.97 A7P 88.56 TAL 152.35 TAP 97.05 RCA 77.93 APO 155.49 V2 35.014
 RC 209.146 GL 8.37 GP -3.55 ZAL 42.93 ZAP 175.05 ETS 228.36 ZAE 132.16 ETE 183.80 ZAC 129.42 ETC 167.04 CLP 176.55

PLANETOCENTRIC CONIC

C3 58.195 VHL 7.629 DLA 26.28 RAL 46.91 RAD 6569.1 VEL 13.400 PTH 2.45 VMP 12.074 DPA 7.88 RAP 35.09 ECC 1.9577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 32 3492.70 -20.66 130.44 296.11 70.20 4 44 45 2892.7 -23.18 122.67
 90.00 0 38 6 4111.21 -2.82 167.03 288.04 61.81 1 46 37 3511.2 -6.57 160.35
 100.00 5 36 35 3137.90 -23.89 105.54 297.32 71.48 6 28 53 2537.9 -26.20 97.50
 100.00 1 30 44 3941.24 .16 152.88 286.38 60.11 2 36 25 3341.2 -3.81 146.36
 110.00 7 34 55 2767.65 -30.62 79.78 299.67 74.00 8 21 3 2167.6 -32.50 71.07
 110.00 1 48 53 3884.26 6.15 144.86 282.67 56.31 2 53 38 3284.3 1.68 138.62

DIFFERENTIAL CORRECTIONS

TDE 2.5087 TRA 5.4091 TC3-1.5045 BAU 1.1705
 RDE .5314 RRA .0846 RC3 -.0014 FAU .00727
 FDE .4867 FRA 1.3163 FC3 -.1081 BSP 17944
 BDE 2.5644 BRA 5.4098 BC3 1.5045 FSP -343

MID-COURSE EXECUTION ACCURACY

SGT 5417.3 SGR 405.4 SG3 101.4
 RRT .4909 RRF .4719 RTF .9539
 SGB 5432.4 R23 .0018 R13 .9539
 SGI 5421.0 SG2 352.9 THA 2.11

ORBIT DETERMINATION ACCURACY

ST 2324.3 SR 399.7 SS 514.3
 CRT .8406 CRS -.7761 CST -.9937
 LSA 2403.5 MSA 222.9 SSA 11.8
 EL1 2348.7 EL2 214.2 ALF 8.29

LAUNCH DATE DEC 26 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 591.751

RL 147.13 LAL .00 LOL 94.01 VL 25.786 GAL 13.64 AZL 87.57 MCA 307.90 SMA 116.50 ECC .34768 INC 2.4347 V1 30.281
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.251 GAP 19.95 A7P 88.50 TAL 150.93 TAP 98.83 RCA 75.99 APO 157.01 V2 35.027
 RC 210.800 GL 7.50 GP -3.51 ZAL 41.02 ZAP 174.42 ETS 221.47 ZAE 132.07 ETE 183.77 ZAC 131.62 ETC 166.70 CLP 175.65

PLANETOCENTRIC CONIC

C3 66.504 VHL 8.155 DLA 25.92 RAL 49.11 RAD 6569.3 VEL 13.706 PTH 2.50 VMP 12.665 DPA 8.77 RAP 37.24 ECC 2.0945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 7 3498.56 -20.53 130.82 300.67 70.06 5 1 26 2898.6 -23.06 123.06
 90.00 0 39 1 4169.94 -.93 170.30 291.79 61.70 1 48 31 3569.9 -4.71 163.66
 100.00 5 51 11 3150.18 -23.63 106.36 301.84 71.13 6 43 41 2550.2 -25.98 98.35
 100.00 1 33 39 3993.55 1.94 155.75 290.20 60.16 2 40 12 3393.5 -2.05 149.23
 110.00 7 47 24 2786.52 -30.26 81.13 304.23 73.27 8 33 51 2186.5 -32.25 72.48
 110.00 1 53 54 3929.97 7.87 147.28 286.54 56.63 2 59 24 3330.0 3.42 141.01

DIFFERENTIAL CORRECTIONS

TDE 2.5273 TRA 5.9590 TC3-1.2685 BAU 1.1278
 RDE .5520 RRA .1105 RC3 -.0025 FAU .00611
 FDE .4810 FRA 1.3930 FC3 -.0796 BSP 17946
 BDE 2.5869 BRA 5.9600 BC3 1.2685 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 5394.6 SGR 397.4 SG3 99.1
 RRT .5127 RRF .4949 RTF .9592
 SGB 5409.2 R23 .0014 R13 .9592
 SGI 5398.4 SG2 340.9 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 2259.8 SR 388.7 SS 514.2
 CRT .8252 CRS -.7639 CST -.9947
 LSA 2339.2 MSA 224.8 SSA 11.2
 EL1 2282.7 EL2 217.4 ALF 8.15

LAUNCH DATE DEC 26 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 595.510

RL 147.13 LAL .00 LOL 94.01 VL 25.748 GAL 15.08 AZL 87.66 MCA 311.10 SMA 116.30 ECC .36493 INC 2.3379 V1 30.281
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.237 GAP 21.04 AZP 88.46 TAL 149.61 TAP 100.71 RCA 73.86 APO 158.74 V2 35.040
 RC 212.427 GL 6.66 GP -3.46 ZAL 39.26 ZAP 173.68 ETS 215.84 ZAE 131.94 ETE 183.73 ZAC 133.78 ETC 166.30 CLP 174.71

PLANETOCENTRIC CONIC

C3 76.464 VHL 8.744 DLA 25.53 RAL 51.12 RAD 6569.5 VEL 14.065 PTH 2.56 VHP 13.328 CPA 9.61 RAP 39.36 ECC 2.2584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 2 3504.59 -20.39 131.20 305.07 69.91 5 17 27 2904.6 -22.94 123.46
 90.00 0 39 8 4229.61 .99 173.63 295.40 61.70 1 49 38 3629.6 -2.80 167.00
 100.00 6 5 17 3162.09 -23.36 107.14 306.21 70.80 6 57 59 2562.1 -25.77 99.17
 100.00 1 35 35 4047.34 3.76 158.71 293.87 60.32 2 43 3 3447.3 -.22 152.18
 110.00 7 59 24 2805.00 -29.89 82.44 308.63 72.58 8 46 9 2205.0 -31.98 73.85
 110.00 1 57 57 3977.19 9.63 149.80 290.28 57.04 3 4 14 3377.2 5.22 143.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5503 TRA 6.5539 TC3 -1.0505 BAU 1.0739
 RDE .5724 RRA .1383 RC3 -.0028 FAU .00489
 FDE .4774 FRA 1.4773 FC3 -.0554 BSP 17932
 BDE 2.6138 BRA 6.5553 BC3 1.0505 FSP -328

SGT 5368.1 SGR 388.3 SG3 96.9
 RRT .5343 RRF .5179 RTF .9643
 SGB 5382.1 R23 .0009 R13 .9643
 SGI 5372.1 SG2 328.0 THA 2.22

ST 2198.6 SR 376.3 SS 516.8
 CRT .8096 CRS -.7522 CST -.9956
 LSA 2278.6 MSA 225.1 SSA 10.6
 EL1 2219.8 EL2 218.7 ALF 7.97

LAUNCH DATE DEC 26 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 598.865

RL 147.13 LAL .00 LOL 94.01 VL 25.712 GAL 16.66 AZL 87.77 MCA 314.31 SMA 116.11 ECC .38434 INC 2.2312 V1 30.281
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.224 GAP 22.27 AZP 88.44 TAL 148.41 TAP 102.72 RCA 71.48 APO 160.74 V2 35.053
 RC 214.027 GL 5.85 GP -3.42 ZAL 37.67 ZAP 172.84 ETS 211.22 ZAE 131.75 ETE 183.69 ZAC 135.88 ETC 165.84 CLP 173.70

PLANETOCENTRIC CONIC

C3 88.478 VHL 9.406 DLA 25.12 RAL 52.94 RAD 6569.7 VEL 14.485 PTH 2.63 VHP 14.075 CPA 10.42 RAP 41.43 ECC 2.4561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 12 3510.78 -20.24 131.60 309.29 69.77 5 32 42 2910.8 -22.82 123.87
 90.00 0 38 31 4289.70 2.93 176.99 298.85 61.82 1 50 1 3689.7 -.86 170.36
 100.00 6 18 46 3173.63 -23.10 107.90 310.40 70.48 7 11 40 2573.6 -25.55 99.96
 100.00 1 36 38 4102.09 5.59 161.74 297.39 60.59 2 45 0 3502.1 1.63 155.19
 110.00 8 10 51 2822.98 -29.51 83.71 312.83 71.91 8 57 54 2223.0 -31.70 75.18
 110.00 2 1 3 4025.50 11.40 152.42 293.87 57.56 3 8 8 3425.5 7.04 146.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5830 TRA 7.2028 TC3 -.8494 BAU 1.0048
 RDE .5927 RRA .1682 RC3 -.0022 FAU .00354
 FDE .4770 FRA 1.5711 FC3 -.0347 BSP 17825
 BDE 2.6501 BRA 7.2048 BC3 .8494 FSP -320

SGT 5339.4 SGR 378.4 SG3 94.9
 RRT .5559 RRF .5410 RTF .9693
 SGB 5352.8 R23 .0004 R13 .9693
 SGI 5343.5 SG2 314.3 THA 2.26

ST 2142.6 SR 362.6 SS 523.0
 CRT .7946 CRS -.7416 CST -.9964
 LSA 2223.9 MSA 223.6 SSA 10.0
 EL1 2162.1 EL2 218.2 ALF 7.74

LAUNCH DATE DEC 26 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 601.710

RL 147.13 LAL .00 LOL 94.01 VL 25.677 GAL 18.42 AZL 87.89 MCA 317.52 SMA 115.93 ECC .40627 INC 2.1121 V1 30.281
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.213 GAP 23.67 AZP 88.44 TAL 147.36 TAP 104.88 RCA 68.83 APO 163.03 V2 35.067
 RC 215.599 GL 5.07 GP -3.38 ZAL 36.25 ZAP 171.89 ETS 207.41 ZAE 131.49 ETE 183.65 ZAC 137.90 ETC 165.32 CLP 172.63

PLANETOCENTRIC CONIC

C3 103.075 VHL 10.153 DLA 24.67 RAL 54.57 RAD 6570.0 VEL 14.981 PTH 2.70 VHP 14.922 CPA 11.19 RAP 43.46 ECC 2.6964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 31 3516.96 -20.10 131.99 313.30 69.62 5 47 8 2917.0 -22.69 124.28
 90.00 0 37 10 4349.81 4.86 180.35 302.13 62.07 1 49 40 3749.8 1.08 173.71
 100.00 6 31 35 3184.68 -22.85 108.63 314.38 70.18 7 24 39 2584.7 -25.34 100.71
 100.00 1 36 48 4157.32 7.43 164.81 300.73 60.96 2 46 5 3557.3 3.50 158.22
 110.00 8 21 39 2840.29 -29.14 84.92 316.83 71.29 9 8 59 2240.3 -31.41 76.45
 110.00 2 3 12 4074.48 13.18 155.10 297.30 58.17 3 11 7 3474.5 8.88 148.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6205 TRA 7.9060 TC3 -.6683 BAU .9210
 RDE .6125 RRA .1997 RC3 -.0012 FAU .00210
 FDE .4782 FRA 1.6744 FC3 -.0176 BSP 17809
 BDE 2.6911 BRA 7.9086 BC3 .6683 FSP -314

SGT 5304.5 SGR 367.2 SG3 92.9
 RRT .5767 RRF .5632 RTF .9740
 SGB 5317.2 R23 -.0003 R13 .9740
 SGI 5308.7 SG2 299.8 THA 2.29

ST 2087.7 SR 347.6 SS 531.8
 CRT .7798 CRS -.7314 CST -.9971
 LSA 2171.1 MSA 220.4 SSA 9.4
 EL1 2105.4 EL2 215.8 ALF 7.48

LAUNCH DATE DEC 26 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 603.908

RL 147.13 LAL .00 LOL 94.01 VL 25.644 GAL 20.39 AZL 88.02 MCA 320.73 SMA 115.76 ECC .43114 INC 1.9773 V1 30.281
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.202 GAP 25.27 AZP 88.47 TAL 146.48 TAP 107.21 RCA 65.85 APO 165.67 V2 35.080
 RC 217.144 GL 4.33 GP -3.35 ZAL 35.02 ZAP 170.84 ETS 204.21 ZAE 131.14 ETE 183.59 ZAC 139.84 ETC 164.74 CLP 171.46

PLANETOCENTRIC CONIC

C3 120.960 VHL 10.998 DLA 24.21 RAL 55.98 RAD 6570.3 VEL 15.566 PTH 2.77 VHP 15.888 CPA 11.91 RAP 45.42 ECC 2.9907
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 57 3522.85 -19.96 132.37 317.07 69.49 6 0 40 2922.9 -22.57 124.67
 90.00 0 35 4 4409.58 6.75 183.72 305.22 62.43 1 48 33 3809.6 3.01 177.05
 100.00 6 43 37 3195.02 -22.61 109.30 318.12 69.90 7 36 53 2595.0 -25.14 101.42
 100.00 1 36 4 4212.64 9.24 167.91 303.88 61.45 2 46 17 3612.6 5.36 161.28
 110.00 8 31 46 2856.69 -28.78 86.05 320.57 70.70 9 19 23 2256.7 -31.13 77.64
 110.00 2 4 25 4123.74 14.93 157.85 300.55 58.89 3 13 8 3523.7 10.70 151.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6706 TRA 8.6766 TC3 -.5044 BAU .8157
 RDE .6320 RRA .2327 RC3 .0003 FAU .00043
 FDE .4828 FRA 1.7902 FC3 -.0031 BSP 17764
 BDE 2.7444 BRA 8.6797 BC3 .5044 FSP -307

SGT 5265.7 SGR 355.1 SG3 91.0
 RRT .5969 RRF .5849 RTF .9784
 SGB 5277.6 R23 -.0010 R13 .9784
 SGI 5270.0 SG2 284.6 THA 2.31

ST 2036.5 SR 331.6 SS 544.5
 CRT .7660 CRS -.7224 CST -.9977
 LSA 2123.0 MSA 215.5 SSA 8.8
 EL1 2052.4 EL2 211.5 ALF 7.19

LAUNCH DATE DEC 26 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 605.274

RL 147.13 LAL .00 LOL 94.01 VL 25.614 GAL 22.60 AZL 88.18 MCA 323.95 SMA 115.61 ECC .45944 INC 1.8224 V1 30.281
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.193 GAP 27.11 AZP 88.53 TAL 145.83 TAP 109.77 RCA 62.49 APO 168.72 V2 35.092
 RC 218.662 GL 3.60 GP -3.31 ZAL 34.00 ZAP 169.66 ETS 201.49 ZAE 130.68 ETE 183.53 ZAC 141.67 ETC 164.11 CLP 170.20

PLANETOCENTRIC CONIC

C3 143.078 VML 11.962 OLA 23.72 RAL 57.18 RAD 6570.6 VEL 16.261 PTH 2.85 VMP 16.996 DPA 12.57 RAP 47.29 ECC 3.3547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 14 26 3528.08 -19.83 132.70 320.55 69.36 6 13 14 2928.1 -22.46 125.02
 90.00 0 32 7 4468.73 8.60 187.09 308.10 62.92 1 46 36 3868.7 4.90 180.36
 100.00 6 54 51 3204.34 -22.39 109.91 321.58 69.66 7 48 15 2604.3 -24.95 102.05
 100.00 1 34 23 4267.70 11.02 171.04 306.82 62.04 2 45 31 3667.7 7.19 164.34
 110.00 8 41 7 2871.86 -28.43 87.10 324.02 70.17 9 28 59 2271.9 -30.86 78.74
 110.00 2 4 36 4172.94 16.64 160.63 303.59 59.70 3 14 9 3572.9 12.49 153.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.7367 TRA 9.5236 TC3 -.3572 BAU .6832 SGT 5222.5 SGR 341.8 SG3 89.2 ST 1988.3 SR 314.8 S5 561.6
 RDE .6513 RRA .2669 RC3 .0020 FAU-.00154 RRT .6165 RRF .6060 RTF .9824 CRT .7535 CRS -.7148 CST -.9983
 FDE .4913 FRA 1.9206 FC3 .0093 BSP 17700 SGB 5233.7 R23 -.0017 R13 .9824 LSA 2079.5 MSA 208.9 SSA 8.3
 BDE 2.8132 BRA 9.5274 BC3 .3572 FSP -301 SG1 5226.8 SG2 268.9 THA 2.32 EL1 2002.6 EL2 205.5 ALF 6.88

LAUNCH DATE DEC 26 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 605.559

RL 147.13 LAL .00 LOL 94.01 VL 25.587 GAL 25.12 AZL 88.36 MCA 327.17 SMA 115.46 ECC .49175 INC 1.6415 V1 30.281
 RP 107.95 LAP -.89 LOP 61.19 VP 36.186 GAP 29.24 AZP 88.62 TAL 145.44 TAP 112.61 RCA 58.68 APO 172.25 V2 35.105
 RC 220.152 GL 2.91 GP -3.28 ZAL 33.20 ZAP 168.33 ETS 199.14 ZAE 130.09 ETE 183.46 ZAC 143.37 ETC 163.44 CLP 168.79

PLANETOCENTRIC CONIC

C3 170.708 VML 13.066 OLA 23.20 RAL 58.13 RAD 6570.8 VEL 17.089 PTH 2.93 VMP 18.277 DPA 13.18 RAP 49.04 ECC 3.8094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 56 3532.19 -19.73 132.96 323.71 69.27 6 24 48 2932.2 -22.38 125.29
 90.00 0 28 13 4527.02 10.39 190.44 310.71 63.51 1 43 40 3927.0 6.75 183.65
 100.00 7 5 10 3212.24 -22.20 110.42 324.71 69.45 7 58 42 2612.2 -24.80 102.58
 100.00 1 31 40 4322.21 12.74 174.17 309.49 62.73 2 43 42 3722.2 8.99 167.39
 110.00 8 49 37 2885.44 -28.11 88.03 327.14 69.70 9 37 43 2285.4 -30.61 79.72
 110.00 2 3 42 4221.77 18.30 163.45 306.39 60.61 3 14 4 3621.8 14.24 156.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8271 TRA10.4611 TC3 -.2253 BAU .5143 SGT 5176.2 SGR 327.6 SG3 87.5 ST 1944.0 SR 297.3 S5 584.1
 RDE .6707 RRA .3018 RC3 .0038 FAU-.00398 RRT .6354 RRF .6262 RTF .9860 CRT .7429 CRS -.7091 CST -.9987
 FDE .5053 FRA 2.0693 FC3 .0202 BSP 17537 SGB 5186.6 R23 -.0023 R13 .9860 LSA 2041.7 MSA 200.6 SSA 7.7
 BDE 2.9056 BRA10.4655 BC3 .2253 FSP -294 SG1 5180.4 SG2 252.8 THA 2.31 EL1 1956.6 EL2 197.7 ALF 6.55

LAUNCH DATE DEC 26 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 604.430

RL 147.13 LAL .00 LOL 94.01 VL 25.563 GAL 28.00 AZL 88.57 MCA 330.38 SMA 115.34 ECC .52875 INC 1.4259 V1 30.281
 RP 107.91 LAP -.70 LOP 64.41 VP 36.181 GAP 31.73 AZP 88.76 TAL 145.40 TAP 115.78 RCA 54.35 APO 176.33 V2 35.117
 RC 221.615 GL 2.25 GP -3.24 ZAL 32.66 ZAP 166.83 ETS 197.09 ZAE 129.33 ETE 183.38 ZAC 144.91 ETC 162.75 CLP 167.23

PLANETOCENTRIC CONIC

C3 205.606 VML 14.339 OLA 22.65 RAL 58.81 RAD 6571.2 VEL 18.081 PTH 3.01 VMP 19.766 DPA 13.72 RAP 50.64 ECC 4.3838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 22 3534.64 -19.67 133.12 326.49 69.21 6 35 17 2934.6 -22.33 125.45
 90.00 0 23 12 4584.29 12.11 193.76 313.02 64.21 1 39 36 3984.3 8.54 186.90
 100.00 7 14 30 3218.23 -22.06 110.80 327.46 69.30 8 8 8 2618.2 -24.67 102.99
 100.00 1 27 45 4375.93 14.39 177.30 311.87 63.52 2 40 41 3775.9 10.72 170.43
 110.00 8 57 11 2896.97 -27.84 88.81 329.87 69.31 9 45 28 2297.0 -30.39 80.55
 110.00 2 1 33 4269.95 19.88 166.29 308.89 61.60 3 12 43 3670.0 15.93 159.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9403 TRA11.4924 TC3 -.1099 BAU .3024 SGT 5122.4 SGR 312.2 SG3 86.0 ST 1899.7 SR 279.2 S5 611.9
 RDE .6900 RRA .3364 RC3 .0055 FAU-.00698 RRT .6525 RRF .6446 RTF .9891 CRT .7338 CRS -.7045 CST -.9990
 FDE .5243 FRA 2.2377 FC3 .0294 BSP 17453 SGB 5131.9 R23 -.0030 R13 .9891 LSA 2006.1 MSA 191.0 SSA 7.1
 BDE 3.0202 BRA11.4974 BC3 .1100 FSP -289 SG1 5126.5 SG2 236.4 THA 2.28 EL1 1910.8 EL2 188.5 ALF 6.22

LAUNCH DATE DEC 26 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

DISTANCE 601.436

RL 147.13 LAL .00 LOL 94.01 VL 25.543 GAL 31.33 AZL 88.84 MCA 333.60 SMA 115.24 ECC .57114 INC 1.1630 V1 30.281
 RP 107.87 LAP -.52 LOP 67.62 VP 36.179 GAP 34.66 AZP 88.96 TAL 145.77 TAP 119.38 RCA 49.42 APO 181.06 V2 35.130
 RC 223.050 GL 1.60 GP -3.20 ZAL 32.41 ZAP 165.11 ETS 195.27 ZAE 128.36 ETE 183.28 ZAC 146.25 ETC 162.07 CLP 165.45

PLANETOCENTRIC CONIC

C3 250.184 VML 15.817 OLA 22.06 RAL 59.18 RAD 6571.5 VEL 19.274 PTH 3.10 VMP 21.510 DPA 14.20 RAP 52.05 ECC 5.1174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 39 3534.81 -19.67 133.13 328.83 69.21 6 44 34 2934.8 -22.32 125.46
 90.00 0 16 50 4640.44 13.75 197.07 314.97 65.00 1 34 10 4040.4 10.26 190.13
 100.00 7 22 44 3221.76 -21.97 111.03 329.77 69.21 8 16 26 2621.8 -24.60 103.22
 100.00 1 22 26 4428.73 15.97 180.42 313.88 64.39 2 36 15 3828.7 12.40 173.46
 110.00 9 3 41 2905.96 -27.62 89.42 332.14 69.01 9 52 7 2306.0 -30.22 81.19
 110.00 1 57 59 4317.30 21.39 169.14 311.04 62.68 3 9 56 3717.3 17.56 162.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.0875 TRA12.6302 TC3 -.0093 BAU .0391 SGT 5061.9 SGR 295.7 SG3 84.5 ST 1855.9 SR 260.7 S5 646.5
 RDE .7096 RRA .3692 RC3 .0072 FAU-.01082 RRT .6677 RRF .6608 RTF .9918 CRT .7268 CRS -.7016 CST -.9993
 FDE .5507 FRA 2.4303 FC3 .0374 BSP 17342 SGB 5070.5 R23 -.0036 R13 .9918 LSA 1974.2 MSA 180.3 SSA 6.5
 BDE 3.1680 BRA12.6356 BC3 .0117 FSP -285 SG1 5065.7 SG2 219.9 THA 2.24 EL1 1865.6 EL2 178.1 ALF 5.88

LAUNCH DATE DEC 27, 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 7 1966

HELIOCENTRIC CONIC

DISTANCE 206.908

RL 147.12 LAL .00 LOL 95.03 VL 29.413 GAL -13.96 AZL 86.88 MCA 95.25 SMA 141.33 ECC .24442 INC 3.1165 V1 30.282
 RP 107.83 LAP 3.10 LOP 190.29 VP 39.019 GAP -3.52 AZP 90.29 TAL 246.68 TAP 341.93 RCA 106.79 APO 175.87 V2 35.143
 RC 67.327 GL 12.08 GP 9.14 ZAL 161.43 ZAP 56.08 ETS 351.99 ZAE 169.66 ETE 6.57 ZAC 48.43 ETC 167.26 CLP -55.58

PLANETOCENTRIC CONIC

C3 54.994 VHL 7.416 OLA -10.10 RAL 289.11 RAD 6569.0 VEL 13.280 PTH 2.43 VMP 4.660 DPA -10.38 RAP 315.51 ECC 1.9051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 26 2147.44 -17.88 37.27 165.19 112.33 2 10 14 1547.4 -14.70 30.04
 90.00 10 58 31 5428.69 28.13 249.66 172.69 86.63 12 28 59 4828.7 27.37 241.08
 100.00 2 50 47 1901.13 -19.26 18.55 164.58 113.31 3 22 28 1301.1 -15.94 11.33
 100.00 12 24 51 5150.23 29.62 229.07 172.58 85.78 13 50 41 4550.2 28.72 220.38
 110.00 3 47 41 1722.97 -22.91 3.24 162.78 116.09 4 16 24 1123.0 -19.21 356.05
 110.00 13 44 27 4901.15 33.62 209.71 172.13 83.42 15 6 8 4301.2 32.34 200.71

DIFFERENTIAL CORRECTIONS

TDE -.0876 TRA -.5727 TC3 .0558 BAU .0480
 RDE -.4977 RRA .1544 RC3 .0340 FAU .10156
 FDE .3932 FRA-1.5907 FC3-1.5987 BSP 468
 BDE .5054 BRA .5931 BC3 .0653 FSP -681

MID-COURSE EXECUTION ACCURACY

SGT 462.0 SGR 406.3 SG3 233.0
 RRT -.1293 RRF -.3536 RTF .2764
 SGB 615.2 R23 .2126 R13 -.3660
 SG1 472.8 SG2 393.7 TMA 157.43

ORBIT DETERMINATION ACCURACY

ST 150.9 SR 386.3 SS 196.2
 CRT .3623 CRS .6933 CST -.4048
 LSA 414.4 MSA 195.7 SSA 20.3
 EL1 390.7 EL2 139.0 ALF 80.77

LAUNCH DATE DEC 27 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC

DISTANCE 213.509

RL 147.12 LAL .00 LOL 95.03 VL 29.419 GAL -13.81 AZL 86.95 MCA 98.47 SMA 141.39 ECC .24195 INC 3.0545 V1 30.282
 RP 107.87 LAP 3.02 LOP 193.52 VP 39.013 GAP -2.85 AZP 90.45 TAL 246.82 TAP 345.29 RCA 107.18 APO 175.60 V2 35.132
 RC 69.470 GL 11.98 GP 9.64 ZAL 161.54 ZAP 61.12 ETS 352.73 ZAE 172.49 ETE 15.98 ZAC 46.54 ETC 167.60 CLP -60.67

PLANETOCENTRIC CONIC

C3 53.830 VHL 7.337 OLA -10.21 RAL 289.06 RAD 6568.9 VEL 13.236 PTH 2.42 VMP 4.453 DPA -10.36 RAP 313.58 ECC 1.8859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 9 2138.51 -17.65 36.72 164.78 112.51 2 10 48 1538.5 -14.45 29.51
 90.00 10 57 26 5427.05 28.13 249.54 172.29 86.57 12 27 53 4827.1 27.35 240.96
 100.00 2 51 26 1892.40 -19.02 18.01 164.17 113.50 3 22 59 1292.4 -15.68 10.81
 100.00 12 23 50 5148.39 29.61 228.93 172.18 85.71 13 49 38 4548.4 28.70 220.24
 110.00 3 48 12 1714.68 -22.66 2.72 162.36 116.31 4 16 46 1114.7 -18.94 355.56
 110.00 13 43 34 4898.88 33.60 209.54 171.73 83.32 15 5 13 4298.9 32.31 200.54

DIFFERENTIAL CORRECTIONS

TDE -.0749 TRA -.6205 TC3 .0171 BAU .0356
 RDE -.4921 RRA .1645 RC3 .0464 FAU .10985
 FDE .4192 FRA-1.7190 FC3-1.7666 BSP 610
 BDE .4977 BRA .6419 BC3 .0495 FSP -752

MID-COURSE EXECUTION ACCURACY

SGT 496.4 SGR 411.5 SG3 254.7
 RRT -.1963 RRF -.3960 RTF .4013
 SGB 644.8 R23 .1842 R13 -.4814
 SG1 513.3 SG2 390.2 TMA 156.93

ORBIT DETERMINATION ACCURACY

ST 158.8 SR 386.3 SS 203.8
 CRT .2718 CRS .6938 CST -.4901
 LSA 415.5 MSA 207.1 SSA 20.4
 EL1 389.1 EL2 151.7 ALF 82.47

LAUNCH DATE DEC 27 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

DISTANCE 220.064

RL 147.12 LAL .00 LOL 95.03 VL 29.416 GAL -13.67 AZL 87.01 MCA 101.69 SMA 141.36 ECC .23963 INC 2.9915 V1 30.282
 RP 107.90 LAP 2.93 LOP 196.74 VP 39.000 GAP -2.21 AZP 90.61 TAL 246.82 TAP 348.51 RCA 107.49 APO 175.24 V2 35.120
 RC 71.643 GL 11.86 GP 10.14 ZAL 161.61 ZAP 66.26 ETS 353.50 ZAE 175.06 ETE 36.53 ZAC 44.54 ETC 167.98 CLP -65.86

PLANETOCENTRIC CONIC

C3 52.700 VHL 7.259 OLA -10.32 RAL 289.09 RAD 6568.9 VEL 13.193 PTH 2.41 VMP 4.280 DPA -10.34 RAP 311.54 ECC 1.8673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 13 2129.49 -17.42 36.17 164.45 112.69 2 11 42 1529.5 -14.19 28.97
 90.00 10 56 37 5425.56 28.12 249.43 171.98 86.52 12 27 3 4825.6 27.34 240.85
 100.00 2 52 26 1883.60 -18.78 17.47 163.84 113.69 3 23 49 1283.6 -15.42 10.29
 100.00 12 23 5 5146.69 29.60 228.80 171.86 85.65 13 48 52 4546.7 28.69 220.12
 110.00 3 49 2 1706.32 -22.41 2.21 162.02 116.52 4 17 29 1106.3 -18.66 355.07
 110.00 13 42 58 4896.73 33.58 209.37 171.41 83.22 15 4 35 4296.7 32.28 200.38

DIFFERENTIAL CORRECTIONS

TDE -.0607 TRA -.6744 TC3 -.0279 BAU .0465
 RDE -.4850 RRA .1749 RC3 .0599 FAU .11776
 FDE .4373 FRA-1.8368 FC3-1.9344 BSP 827
 BDE .4888 BRA .6967 BC3 .0660 FSP -828

MID-COURSE EXECUTION ACCURACY

SGT 544.6 SGR 416.9 SG3 275.7
 RRT -.2692 RRF -.4383 RTF .5147
 SGB 685.9 R23 .1608 R13 -.5796
 SG1 567.3 SG2 385.4 TMA 157.57

ORBIT DETERMINATION ACCURACY

ST 159.2 SR 385.1 SS 209.7
 CRT .1763 CRS .6911 CST -.5765
 LSA 415.4 MSA 218.9 SSA 20.4
 EL1 386.5 EL2 166.0 ALF 84.57

LAUNCH DATE DEC 27 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 226.575

RL 147.12 LAL .00 LOL 95.03 VL 29.405 GAL -13.53 AZL 87.07 MCA 104.91 SMA 141.26 ECC .23742 INC 2.9271 V1 30.282
 RP 107.94 LAP 2.83 LOP 199.97 VP 38.980 GAP -1.61 AZP 90.75 TAL 246.68 TAP 351.60 RCA 107.72 APO 174.80 V2 35.108
 RC 73.845 GL 11.73 GP 10.63 ZAL 161.62 ZAP 71.46 ETS 354.30 ZAE 176.16 ETE 81.31 ZAC 42.48 ETC 168.39 CLP -71.12

PLANETOCENTRIC CONIC

C3 51.589 VHL 7.183 OLA -10.44 RAL 289.20 RAD 6568.9 VEL 13.151 PTH 2.40 VMP 4.141 DPA -10.32 RAP 309.45 ECC 1.8490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 35 2120.32 -17.18 35.60 164.20 112.86 2 12 55 1520.3 -13.93 28.43
 90.00 10 56 5 5424.16 28.11 249.33 171.73 86.47 12 26 29 4824.2 27.33 240.75
 100.00 2 53 44 1874.64 -18.54 16.92 163.58 113.88 3 24 59 1274.6 -15.15 9.76
 100.00 12 22 37 5145.07 29.59 228.69 171.62 85.59 13 48 22 4545.1 28.67 220.00
 110.00 3 50 12 1697.83 -22.15 1.68 161.76 116.73 4 18 30 1097.8 -18.38 354.57
 110.00 13 42 38 4894.65 33.57 209.21 171.15 83.13 15 4 13 4294.6 32.25 200.22

DIFFERENTIAL CORRECTIONS

TDE -.0466 TRA -.7350 TC3 -.0799 BAU .0751
 RDE -.4768 RRA .1849 RC3 .0738 FAU .12463
 FDE .4540 FRA-1.9312 FC3-2.0914 BSP 1104
 BDE .4790 BRA .7579 BC3 .1088 FSP -891

MID-COURSE EXECUTION ACCURACY

SGT 608.3 SGR 422.3 SG3 294.4
 RRT -.3404 RRF -.4803 RTF .6105
 SGB 740.5 R23 .1444 R13 -.6602
 SG1 635.6 SG2 380.1 TMA 158.81

ORBIT DETERMINATION ACCURACY

ST 182.7 SR 383.0 SS 214.7
 CRT .0867 CRS .6925 CST -.6468
 LSA 415.4 MSA 230.7 SSA 20.4
 EL1 383.4 EL2 181.8 ALF 86.94

LAUNCH DATE DEC 27 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 233.041

RL 147.12 LAL .00 LOL 95.03 VL 29.385 GAL -13.39 AZL 87.14 MCA 108.13 SMA 141.09 ECC .23531 INC 2.8608 V1 30.282
 RP 107.98 LAP 2.72 LOP 203.19 VP 38.955 GAP -1.04 AZP 90.89 TAL 246.42 TAP 354.56 RCA 107.89 APO 174.29 V2 35.095
 RC 76.070 GL 11.58 GP 11.09 ZAL 161.59 ZAP 76.66 ETS 355.15 ZAE 174.56 ETE 122.19 ZAC 40.41 ETC 168.84 CLP -76.40

PLANETOCENTRIC CONIC

C3 50.490 VHL 7.106 OLA -10.56 RAL 289.37 RAD 6568.9 VEL 13.109 PTH 2.39 VHP 4.033 DPA -10.29 RAP 307.34 ECC 1.8309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 16 2110.91 -16.93 35.02 164.00 113.05 2 14 27 1510.9 -13.66 27.87
 90.00 10 55 46 5422.85 28.11 249.23 171.55 86.42 12 26 9 4822.8 27.32 240.66
 100.00 2 55 21 1865.46 -18.28 16.35 163.38 114.07 3 26 27 1265.5 -14.88 9.22
 100.00 12 22 22 5143.53 29.59 228.57 171.43 85.53 13 48 5 4543.5 28.65 219.89
 110.00 3 51 40 1689.13 -21.88 1.15 161.55 116.94 4 19 49 1089.1 -18.09 354.07
 110.00 13 42 33 4892.62 33.55 209.05 170.97 83.04 15 4 6 4292.6 32.22 200.07

DIFFERENTIAL CORRECTIONS

TDE -.0320 TRA -.8004 TC3 -.1378 BAU .1105
 RDE -.4668 RRA .1944 RC3 .0884 FAU .13057
 FDE .4594 FRA-2.0057 FC3-2.2388 BSP 1419
 BDE .4679 BRA .8237 BC3 .1638 FSP -954

MID-COURSE EXECUTION ACCURACY

SGT 685.6 SGR 427.7 SG3 311.1
 RRT -.4079 RRF -.5205 RTF .6861
 SGB 808.1 R23 .1318 R13 -.7231
 SG1 716.5 SG2 373.7 TMA 160.11

ORBIT DETERMINATION ACCURACY

ST 198.7 SR 379.4 SS 217.6
 CRT .0035 CRS .6896 CST -.7109
 LSA 414.2 MSA 242.5 SSA 20.4
 EL1 379.4 EL2 198.7 ALF 89.86

LAUNCH DATE DEC 27 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 239.465

RL 147.12 LAL .00 LOL 95.03 VL 29.359 GAL -13.25 AZL 87.21 MCA 111.35 SMA 140.86 ECC .23326 INC 2.7920 V1 30.282
 RP 108.02 LAP 2.60 LOP 206.41 VP 38.923 GAP -.49 AZP 91.02 TAL 246.05 TAP 357.40 RCA 108.00 APO 173.71 V2 35.082
 RC 78.316 GL 11.42 GP 11.55 ZAL 161.52 ZAP 81.80 ETS 356.03 ZAE 171.64 ETE 140.02 ZAC 38.39 ETC 169.32 CLP -81.63

PLANETOCENTRIC CONIC

C3 49.392 VHL 7.028 OLA -10.69 RAL 289.60 RAD 6568.8 VEL 13.067 PTH 2.38 VHP 3.954 DPA -10.24 RAP 305.28 ECC 1.8129
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 16 2101.18 -16.66 34.43 163.86 113.23 2 16 17 1501.2 -13.38 27.29
 90.00 10 55 39 5421.63 28.10 249.14 171.43 86.37 12 26 1 4821.6 27.30 240.57
 100.00 2 57 17 1855.96 -18.02 15.77 163.24 114.26 3 28 13 1256.0 -14.59 8.66
 100.00 12 22 20 5142.07 29.58 228.46 171.31 85.47 13 48 2 4542.1 28.64 219.79
 110.00 3 53 25 1680.15 -21.60 .60 161.41 117.16 4 21 25 1080.1 -17.79 353.55
 110.00 13 42 41 4890.65 33.53 208.90 170.84 82.95 15 4 11 4290.7 32.20 199.93

DIFFERENTIAL CORRECTIONS

TDE -.0183 TRA -.8703 TC3 -.2017 BAU .1496
 RDE -.4556 RRA .2087 RC3 .1030 FAU .13494
 FDE .4626 FRA-2.0492 FC3-2.3651 BSP 1772
 BDE .4560 BRA .8936 BC3 .2265 FSP -999

MID-COURSE EXECUTION ACCURACY

SGT 775.9 SGR 432.7 SG3 324.3
 RRT -.4676 RRF -.5589 RTF .7434
 SGB 808.4 R23 .1244 R13 -.7709
 SG1 809.1 SG2 366.8 TMA 161.44

ORBIT DETERMINATION ACCURACY

ST 217.3 SR 374.9 SS 219.3
 CRT -.0666 CRS .6907 CST -.7575
 LSA 413.6 MSA 253.7 SSA 20.4
 EL1 375.3 EL2 216.6 ALF 93.32

LAUNCH DATE DEC 27 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 245.848

RL 147.12 LAL .00 LOL 95.03 VL 29.326 GAL -13.11 AZL 87.28 MCA 114.56 SMA 140.57 ECC .23127 INC 2.7201 V1 30.282
 RP 108.06 LAP 2.47 LOP 209.62 VP 38.887 GAP .03 AZP 91.13 TAL 245.57 TAP .13 RCA 108.06 APO 173.08 V2 35.069
 RC 80.581 GL 11.25 GP 11.98 ZAL 161.41 ZAP 86.83 ETS 356.96 ZAE 168.40 ETE 148.38 ZAC 36.47 ETC 169.83 CLP -86.76

PLANETOCENTRIC CONIC

C3 48.293 VHL 6.949 OLA -10.83 RAL 289.90 RAD 6568.8 VEL 13.025 PTH 2.38 VHP 3.901 DPA -10.17 RAP 303.33 ECC 1.7948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 35 2091.01 -16.39 33.81 163.78 113.42 2 18 26 1491.0 -13.08 26.69
 90.00 10 55 43 5420.55 28.10 249.07 171.36 86.34 12 26 3 4820.5 27.29 240.49
 100.00 2 59 30 1846.05 -17.74 15.17 163.15 114.46 3 30 16 1246.1 -14.29 8.08
 100.00 12 22 28 5140.74 29.57 228.37 171.24 85.42 13 48 9 4540.7 28.62 219.69
 110.00 3 55 28 1670.79 -21.31 .03 161.31 117.38 4 23 19 1070.8 -17.47 353.01
 110.00 13 42 59 4888.77 33.52 208.76 170.77 82.86 15 4 28 4288.8 32.17 199.79

DIFFERENTIAL CORRECTIONS

TDE -.0053 TRA -.9419 TC3 -.2702 BAU .1904
 RDE -.4421 RRA .2119 RC3 .1182 FAU .13835
 FDE .4466 FRA-2.0962 FC3-2.4801 BSP 2148
 BDE .4421 BRA .9654 BC3 .2949 FSP -1057

MID-COURSE EXECUTION ACCURACY

SGT 875.3 SGR 437.6 SG3 335.9
 RRT -.5241 RRF -.5958 RTF .7888
 SGB 978.6 R23 .1157 R13 -.8091
 SG1 910.7 SG2 358.2 TMA 162.53

ORBIT DETERMINATION ACCURACY

ST 237.5 SR 368.4 SS 219.7
 CRT -.1271 CRS .6783 CST -.8059
 LSA 412.0 MSA 265.1 SSA 20.3
 EL1 370.5 EL2 234.3 ALF 97.83

LAUNCH DATE DEC 27 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 252.190

RL 147.12 LAL .00 LOL 95.03 VL 29.288 GAL -12.96 AZL 87.36 MCA 117.77 SMA 140.24 ECC .22932 INC 2.6446 V1 30.282
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.846 GAP .52 AZP 91.23 TAL 245.00 TAP 2.77 RCA 108.08 APO 172.40 V2 35.056
 RC 82.862 GL 11.05 GP 12.40 ZAL 161.26 ZAP 91.70 ETS 357.92 ZAE 165.12 ETE 153.05 ZAC 34.70 ETC 170.39 CLP -91.74

PLANETOCENTRIC CONIC

C3 47.183 VHL 6.869 OLA -10.98 RAL 290.26 RAD 6568.8 VEL 12.983 PTH 2.37 VHP 3.872 DPA -10.06 RAP 301.52 ECC 1.7765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 13 2080.30 -16.10 33.15 163.74 113.61 2 20 53 1480.3 -12.77 26.06
 90.00 10 55 55 5419.64 28.09 249.00 171.34 86.30 12 26 14 4819.6 27.29 240.43
 100.00 3 2 3 1835.62 -17.45 14.54 163.11 114.66 3 32 39 1235.6 -13.97 7.46
 100.00 12 22 45 5139.55 29.56 228.28 171.22 85.37 13 48 25 4539.5 28.61 219.60
 110.00 3 57 50 1660.95 -21.00 359.44 161.27 117.61 4 25 31 1061.0 -17.14 352.44
 110.00 13 43 28 4886.98 33.50 208.62 170.74 82.78 15 4 55 4287.0 32.14 199.65

DIFFERENTIAL CORRECTIONS

TDE .0057 TRA -1.0169 TC3 -.3433 BAU .2322
 RDE -.4279 RRA .2163 RC3 .1327 FAU .13962
 FDE .4377 FRA-2.0625 FC3-2.5616 BSP 2544
 BDE .4280 BRA 1.0397 BC3 .3681 FSP -1073

MID-COURSE EXECUTION ACCURACY

SGT 984.4 SGR 440.9 SG3 341.1
 RRT -.5679 RRF -.6283 RTF .8171
 SGB 1078.6 R23 .1173 R13 -.8329
 SG1 1020.2 SG2 350.2 TMA 163.76

ORBIT DETERMINATION ACCURACY

ST 259.6 SR 361.2 SS 217.0
 CRT -.1714 CRS .6823 CST -.8283
 LSA 411.8 MSA 275.8 SSA 20.4
 EL1 366.5 EL2 252.1 ALF 103.50

LAUNCH DATE DEC 27 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 258.494

RL 147.12 LAL .00 LOL 95.03 VL 29.245 GAL -12.81 AZL 87.44 HCA 120.98 SMA 139.86 ECC .22741 INC 2.5645 V1 30.282
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.802 GAP .98 AZP 91.32 TAL 244.33 TAP 5.31 RCA 108.08 APO 171.67 V2 35.043
 RC 85.157 GL 10.84 GP 12.81 ZAL 161.07 ZAP 96.38 ETS 358.94 ZAE 161.92 ETE 155.99 ZAC 33.11 ETC 171.01 CLP -96.34

PLANETOCENTRIC CONIC

C3 46.067 VHL 6.787 DLA -11.14 RAL 290.67 RAD 6568.7 VEL 12.939 PTH 2.36 VHP 3.865 DPA -9.91 RAP 299.90 ECC 1.7581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 11 2068.91 -15.79 32.46 163.75 113.82 2 23 40 1468.9 -12.44 25.39
 90.00 10 56 13 5419.00 28.09 248.95 171.37 86.28 12 26 32 4819.0 27.28 240.38
 100.00 3 4 56 1824.54 -17.13 13.86 163.12 114.88 3 35 20 1224.5 -13.63 6.82
 100.00 12 23 9 5138.61 29.56 228.21 171.25 85.34 13 48 48 4538.6 28.60 219.54
 110.00 4 0 30 1650.52 -20.67 358.81 161.26 117.85 4 28 0 1050.5 -16.78 351.84
 110.00 13 44 5 4885.39 33.49 208.50 170.76 82.71 15 5 30 4285.4 32.12 199.53

DIFFERENTIAL CORRECTIONS

TDE .0148 TRA-1.0913 TC3 -.4199 BAU .2740
 RDE -.4122 RRA .2208 RC3 .1471 FAU .13954
 FDE .4209 FRA-2.0253 FC3-2.6225 BSP 2950
 BDE .4124 BRA 1.1134 BC3 .4449 FSP -1082

MID-COURSE EXECUTION ACCURACY

SGT 1098.5 SGR 443.9 SG3 343.8
 RRT -.6081 RRF -.6598 RTF .8395
 SGB 1184.8 R23 .1190 R13 -.8520
 SG1 1134.6 SG2 341.2 TMA 164.79

ORBIT DETERMINATION ACCURACY

ST 282.5 SR 352.6 SS 214.1
 CRT -.2057 CRS .6815 CST -.8478
 LSA 412.8 MSA 281.2 SSA 20.3
 EL1 363.8 EL2 268.0 ALF 111.30

LAUNCH DATE DEC 27 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 264.761

RL 147.12 LAL .00 LOL 95.03 VL 29.197 GAL -12.65 AZL 87.52 HCA 124.19 SMA 139.45 ECC .22554 INC 2.4789 V1 30.282
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.754 GAP 1.43 AZP 91.39 TAL 243.58 TAP 7.77 RCA 108.00 APO 170.90 V2 35.030
 RC 87.465 GL 10.59 GP 13.23 ZAL 160.85 ZAP 100.82 ETS 360.00 ZAE 158.84 ETE 157.96 ZAC 31.73 ETC 171.69 CLP -101.12

PLANETOCENTRIC CONIC

C3 44.936 VHL 6.703 DLA -11.32 RAL 291.13 RAD 6568.7 VEL 12.896 PTH 2.35 VHP 3.876 DPA -9.70 RAP 298.49 ECC 1.7395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 32 2056.67 -15.45 31.72 163.80 114.03 2 26 49 1456.7 -12.07 24.67
 90.00 10 56 35 5418.76 28.09 248.94 171.44 86.27 12 26 54 4818.8 27.28 240.36
 100.00 3 8 10 1812.64 -16.79 13.15 163.16 115.10 3 38 23 1212.6 -13.27 6.12
 100.00 12 23 38 5138.02 29.56 228.16 171.32 85.31 13 49 16 4538.0 28.59 219.49
 110.00 4 3 30 1639.35 -20.31 358.14 161.30 118.10 4 30 50 1039.4 -16.40 351.20
 110.00 13 44 47 4884.07 33.48 208.40 170.84 82.65 15 6 11 4284.1 32.10 199.44

DIFFERENTIAL CORRECTIONS

TDE .0211 TRA-1.1649 TC3 -.4997 BAU .3155
 RDE -.3946 RRA .2241 RC3 .1618 FAU .13844
 FDE .3931 FRA-1.9718 FC3-2.6672 BSP 3368
 BDE .3952 BRA 1.1863 BC3 .5252 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 1216.6 SGR 446.1 SG3 344.0
 RRT -.6445 RRF -.6896 RTF .8560
 SGB 1295.8 R23 .1223 R13 -.8662
 SG1 1252.8 SG2 331.2 TMA 165.68

ORBIT DETERMINATION ACCURACY

ST 305.8 SR 342.4 SS 209.2
 CRT -.2299 CRS .6744 CST -.8652
 LSA 415.0 MSA 286.2 SSA 20.3
 EL1 363.6 EL2 280.3 ALF 121.89

LAUNCH DATE DEC 27 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 270.993

RL 147.12 LAL .00 LOL 95.03 VL 29.145 GAL -12.49 AZL 87.61 HCA 127.39 SMA 139.01 ECC .22371 INC 2.3865 V1 30.282
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.703 GAP 1.85 AZP 91.45 TAL 242.76 TAP 10.15 RCA 107.91 APO 170.11 V2 35.016
 RC 89.783 GL 10.31 GP 13.66 ZAL 160.60 ZAP 105.02 ETS 1.11 ZAE 155.92 ETE 159.32 ZAC 30.59 ETC 172.45 CLP -105.47

PLANETOCENTRIC CONIC

C3 43.792 VHL 6.618 DLA -11.52 RAL 291.65 RAD 6568.7 VEL 12.851 PTH 2.34 VHP 3.904 DPA -9.43 RAP 297.31 ECC 1.7207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 18 2043.37 -15.08 30.92 163.89 114.25 2 30 21 1443.4 -11.68 23.90
 90.00 10 56 57 5419.08 28.09 248.96 171.56 86.28 12 27 16 4819.1 27.28 240.39
 100.00 3 11 49 1799.73 -16.41 12.37 163.25 115.34 3 41 48 1199.7 -12.87 5.38
 100.00 12 24 7 5137.96 29.56 228.16 171.44 85.31 13 49 45 4538.0 28.59 219.49
 110.00 4 6 53 1627.28 -19.92 357.42 161.38 118.37 4 34 0 1027.3 -15.98 350.52
 110.00 13 45 33 4883.17 33.47 208.33 170.95 82.61 15 6 56 4283.2 32.09 199.37

DIFFERENTIAL CORRECTIONS

TDE .0245 TRA-1.2367 TC3 -.5821 BAU .3562
 RDE -.3757 RRA .2262 RC3 .1767 FAU .13626
 FDE .3611 FRA-1.9005 FC3-2.6938 BSP 3792
 BDE .3765 BRA 1.2572 BC3 .6084 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 1337.2 SGR 447.7 SG3 341.6
 RRT -.6773 RRF -.7181 RTF .8680
 SGB 1410.2 R23 .1280 R13 -.8765
 SG1 1373.2 SG2 320.8 TMA 166.47

ORBIT DETERMINATION ACCURACY

ST 329.3 SR 330.9 SS 203.2
 CRT -.2452 CRS .6655 CST -.8783
 LSA 419.3 MSA 288.1 SSA 20.3
 EL1 368.4 EL2 286.8 ALF 134.46

LAUNCH DATE DEC 27 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 277.192

RL 147.12 LAL .00 LOL 95.03 VL 29.090 GAL -12.33 AZL 87.71 HCA 130.59 SMA 138.55 ECC .22191 INC 2.2861 V1 30.282
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.649 GAP 2.25 AZP 91.49 TAL 241.86 TAP 12.45 RCA 107.80 APO 169.29 V2 35.003
 RC 92.112 GL 10.00 GP 14.13 ZAL 160.31 ZAP 108.96 ETS 2.29 ZAE 153.19 ETE 160.24 ZAC 29.68 ETC 173.31 CLP -109.57

PLANETOCENTRIC CONIC

C3 42.632 VHL 6.529 DLA -11.76 RAL 292.22 RAD 6568.6 VEL 12.806 PTH 2.33 VHP 3.946 DPA -9.09 RAP 296.37 ECC 1.7016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 32 2028.75 -14.67 30.05 164.01 114.49 2 34 21 1428.7 -11.24 23.04
 90.00 10 57 16 5420.18 28.10 249.04 171.73 86.32 12 27 37 4820.2 27.29 240.47
 100.00 3 15 54 1785.56 -16.00 11.52 163.37 115.59 3 45 40 1185.6 -12.42 4.56
 100.00 12 24 35 5138.60 29.56 228.21 171.60 85.34 13 50 14 4538.6 28.60 219.54
 110.00 4 10 40 1614.09 -19.50 356.63 161.49 118.65 4 37 34 1014.1 -15.52 349.77
 110.00 13 46 19 4882.84 33.47 208.30 171.12 82.60 15 7 42 4282.8 32.08 199.35

DIFFERENTIAL CORRECTIONS

TDE .0247 TRA-1.3053 TC3 -.6669 BAU .3955
 RDE -.3559 RRA .2266 RC3 .1916 FAU .13297
 FDE .3296 FRA-1.8103 FC3-2.7003 BSP 4206
 BDE .3567 BRA 1.3249 BC3 .6939 FSP -1070

MID-COURSE EXECUTION ACCURACY

SGT 1458.7 SGR 448.8 SG3 336.3
 RRT -.7063 RRF -.7455 RTF .8763
 SGB 1526.2 R23 .1372 R13 -.8838
 SG1 1494.3 SG2 310.1 TMA 167.18

ORBIT DETERMINATION ACCURACY

ST 352.6 SR 318.3 SS 196.4
 CRT -.2526 CRS .6588 CST -.8856
 LSA 426.1 MSA 286.7 SSA 20.3
 EL1 378.7 EL2 286.7 ALF 146.06

LAUNCH DATE DEC 27 1965

FLIGHT TIME 94.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 283.359

RL 147.12 LAL .00 LOL 95.03 VL 29.032 GAL -12.16 AZL 87.82 MCA 133.79 SMA 138.06 ECC .22014 INC 2.1756 V1 30.282
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.594 GAP 2.63 AZP 91.51 TAL 240.90 TAP 14.69 RCA 107.67 APO 168.45 V2 34.990
 RC 94.449 GL 9.63 GP 14.65 ZAL 159.99 ZAP 112.63 ETS 3.55 ZAE 150.63 ETE 160.84 ZAC 29.01 ETC 174.30 CLP-113.43

PLANETOCENTRIC CONIC

C3 41.458 VHL 6.439 OLA -12.03 RAL 292.85 RAD 6568.6 VEL 12.760 PTH 2.32 VHP 4.000 DPA -8.66 RAP 295.66 ECC 1.6823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 20 2012.47 -14.21 29.07 164.17 114.75 2 38 52 1412.5 -10.75 22.10
 90.00 10 57 28 5422.38 28.11 249.20 171.94 86.40 12 27 50 4822.4 27.31 240.62
 100.00 3 20 32 1769.82 -15.53 10.59 163.52 115.86 3 50 2 1169.8 -11.93 3.65
 100.00 12 24 56 5140.26 29.57 228.33 171.82 85.40 13 50 36 4540.3 28.62 219.65
 110.00 4 14 56 1599.49 -19.02 355.77 161.63 118.95 4 41 35 999.5 -15.01 348.95
 110.00 13 47 2 4883.35 33.47 208.34 171.34 82.62 15 8 26 4283.4 32.09 199.38

DIFFERENTIAL CORRECTIONS

TDE .0204 TRA-1.3708 TC3 -.7546 BAU .4338
 RDE -.3344 RRA .2263 RC3 .2076 FAU .12925
 FDE .2896 FRA-1.7150 FC3-2.6990 BSP 4631
 BDE .3351 BRA 1.3894 BC3 .7827 FSP -1055

MID-COURSE EXECUTION ACCURACY

SGT 1581.2 SGR 449.9 SG3 329.9
 RRT -.7337 RRF -.7725 RTF .8825
 SGB 1644.0 R23 .1484 R13 -.8891
 SG1 1616.6 SG2 299.0 TMA 167.78

ORBIT DETERMINATION ACCURACY

ST 375.7 SR 304.1 SS 188.1
 CRT -.2517 CRS .6431 CST -.8939
 LSA 434.8 MSA 282.0 SSA 20.3
 EL1 393.1 EL2 281.3 ALF 155.14

LAUNCH DATE DEC 27 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 289.496

RL 147.12 LAL .00 LOL 95.03 VL 28.971 GAL -11.98 AZL 87.95 MCA 136.99 SMA 137.56 ECC .21842 INC 2.0527 V1 30.282
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.536 GAP 3.00 AZP 91.50 TAL 239.87 TAP 16.86 RCA 107.51 APO 167.60 V2 34.977
 RC 96.794 GL 9.20 GP 15.24 ZAL 159.65 ZAP 116.02 ETS 4.92 ZAE 148.25 ETE 161.16 ZAC 28.58 ETC 175.43 CLP-117.05

PLANETOCENTRIC CONIC

C3 40.269 VHL 6.346 OLA -12.36 RAL 293.53 RAD 6568.5 VEL 12.714 PTH 2.31 VHP 4.064 DPA -8.12 RAP 295.18 ECC 1.6627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 48 1994.09 -13.68 27.98 164.38 115.04 2 44 2 1394.1 -10.19 21.04
 90.00 10 57 25 5426.06 28.12 249.47 172.21 86.54 12 27 51 4826.1 27.34 240.89
 100.00 3 25 49 1752.10 -15.00 9.54 163.72 116.16 3 55 1 1152.1 -11.37 2.63
 100.00 12 25 5 5143.29 29.59 228.55 172.10 85.52 13 50 49 4543.3 28.65 219.87
 110.00 4 19 45 1583.14 -18.48 354.81 161.82 119.28 4 46 9 983.1 -14.43 348.03
 110.00 13 47 38 4885.00 33.49 208.47 171.63 82.70 15 9 3 4285.0 32.11 199.51

DIFFERENTIAL CORRECTIONS

TDE .0124 TRA-1.4313 TC3 -.8445 BAU .4704
 RDE -.3123 RRA .2245 RC3 .2242 FAU .12479
 FDE .2512 FRA-1.6076 FC3-2.6828 BSP 5040
 BDE .3125 BRA 1.4488 BC3 .8738 FSP -1027

MID-COURSE EXECUTION ACCURACY

SGT 1702.7 SGR 451.1 SG3 321.6
 RRT -.7585 RRF -.7987 RTF .8865
 SGB 1761.5 R23 .1634 R13 -.8926
 SG1 1737.8 SG2 288.1 TMA 168.31

ORBIT DETERMINATION ACCURACY

ST 398.4 SR 288.9 SS 179.3
 CRT -.2445 CRS .6277 CST -.8987
 LSA 445.7 MSA 274.3 SSA 20.2
 EL1 409.9 EL2 272.2 ALF 161.61

LAUNCH DATE DEC 27 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 295.605

RL 147.12 LAL .00 LOL 95.03 VL 28.908 GAL -11.80 AZL 88.09 MCA 140.18 SMA 137.04 ECC .21673 INC 1.9142 V1 30.282
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.477 GAP 3.35 AZP 91.47 TAL 238.79 TAP 18.97 RCA 107.34 APO 166.74 V2 34.964
 RC 99.145 GL 8.70 GP 15.93 ZAL 159.27 ZAP 119.15 ETS 6.42 ZAE 146.04 ETE 161.23 ZAC 28.38 ETC 176.73 CLP-120.43

PLANETOCENTRIC CONIC

C3 39.066 VHL 6.250 OLA -12.75 RAL 294.26 RAD 6568.5 VEL 12.666 PTH 2.30 VHP 4.139 DPA -7.46 RAP 294.91 ECC 1.6429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 7 1973.02 -13.07 26.74 164.62 115.34 2 50 0 1373.0 -9.55 19.83
 90.00 10 57 0 5431.81 28.14 249.89 172.55 86.74 12 27 31 4831.8 27.40 241.30
 100.00 3 31 52 1731.83 -14.39 8.34 163.96 116.49 4 0 44 1131.8 -10.72 1.48
 100.00 12 24 55 5148.23 29.61 228.92 172.44 85.71 13 50 44 4548.2 28.70 220.23
 110.00 4 25 16 1564.37 -17.85 353.73 162.04 119.65 4 51 21 964.6 -13.77 347.00
 110.00 13 48 0 4888.25 33.51 208.72 171.98 82.84 15 9 29 4288.3 32.16 199.75

DIFFERENTIAL CORRECTIONS

TDE -.0014 TRA-1.4872 TC3 -.9380 BAU .5060
 RDE -.2886 RRA .2219 RC3 .2427 FAU .12015
 FDE .2030 FRA-1.4996 FC3-2.6626 BSP 5459
 BDE .2886 BRA 1.5036 BC3 .9689 FSP -1002

MID-COURSE EXECUTION ACCURACY

SGT 1824.4 SGR 453.3 SG3 312.7
 RRT -.7821 RRF -.8248 RTF .8893
 SGB 1879.9 R23 .1810 R13 -.8951
 SG1 1859.4 SG2 277.1 TMA 168.75

ORBIT DETERMINATION ACCURACY

ST 420.8 SR 272.0 SS 169.3
 CRT -.2290 CRS .5987 CST -.9065
 LSA 458.2 MSA 263.4 SSA 20.3
 EL1 428.2 EL2 260.2 ALF 166.52

LAUNCH DATE DEC 27 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 301.686

RL 147.12 LAL .00 LOL 95.03 VL 28.843 GAL -11.60 AZL 88.24 MCA 143.37 SMA 136.51 ECC .21509 INC 1.7560 V1 30.282
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.417 GAP 3.68 AZP 91.41 TAL 237.66 TAP 21.03 RCA 107.15 APO 165.87 V2 34.951
 RC 101.502 GL 8.09 GP 16.75 ZAL 158.87 ZAP 122.00 ETS 8.09 ZAE 143.96 ETE 161.07 ZAC 28.41 ETC 178.23 CLP-123.60

PLANETOCENTRIC CONIC

C3 37.850 VHL 6.152 OLA -13.24 RAL 295.07 RAD 6568.5 VEL 12.618 PTH 2.29 VHP 4.223 DPA -6.64 RAP 294.83 ECC 1.6229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 29 1948.44 -12.35 25.29 164.92 115.69 2 56 58 1348.4 -8.79 18.42
 90.00 10 56 1 5440.41 28.18 250.51 172.97 87.06 12 26 41 4840.4 27.47 241.92
 100.00 3 38 56 1708.26 -13.67 6.96 164.25 116.84 4 7 24 1108.3 -9.96 .14
 100.00 12 24 15 5155.82 29.65 229.48 172.87 86.00 13 50 11 4555.8 28.78 220.78
 110.00 4 31 39 1543.13 -17.13 352.49 162.31 120.04 4 57 23 943.1 -13.01 345.81
 110.00 13 48 1 4893.72 33.56 209.14 172.43 83.09 15 9 35 4293.7 32.24 200.15

DIFFERENTIAL CORRECTIONS

TDE -.0216 TRA-1.5374 TC3-1.0353 BAU .5406
 RDE -.2635 RRA .2183 RC3 .2632 FAU .11529
 FDE .1543 FRA-1.3893 FC3-2.6369 BSP 5882
 BDE .2644 BRA 1.5528 BC3 1.0683 FSP -977

MID-COURSE EXECUTION ACCURACY

SGT 1945.9 SGR 456.9 SG3 303.2
 RRT -.8040 RRF -.8505 RTF .8911
 SGB 1998.9 R23 .2022 R13 -.8967
 SG1 1981.0 SG2 266.8 TMA 169.11

ORBIT DETERMINATION ACCURACY

ST 443.4 SR 253.5 SS 158.7
 CRT -.2053 CRS .5552 CST -.9168
 LSA 472.7 MSA 249.3 SSA 20.4
 EL1 447.8 EL2 245.7 ALF 170.39

LAUNCH DATE DEC 27 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 307.743

RL 147.12 LAL .00 LOL 95.03 VL 28.777 GAL -11.41 AZL 88.43 MCA 146.56 SMA 135.97 ECC .21350 INC 1.5722 V1 30.282
 RP 108.46 LAP .87 LOP 241.60 VP 38.355 GAP 3.99 A7P 91.31 TAL 236.48 TAP 23.04 RCA 106.94 APO 165.00 V2 34.939
 RC 103.862 GL 7.35 GP 17.74 ZAL 158.44 ZAP 124.57 ETS 9.98 ZAE 142.00 ETE 160.68 ZAC 28.65 ETC 179.96 CLP-126.57

PLANETOCENTRIC CONIC

C3 36.623 VHL 6.052 DLA -13.84 RAL 295.94 RAD 6568.4 VEL 12.569 PTH 2.28 VHP 4.316 DPA -5.64 RAP 294.91 ECC 1.6027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 16 1919.20 -11.48 23.58 165.29 116.06 3 5 15 1319.2 -7.88 16.75
 90.00 10 54 12 5452.99 28.22 251.43 173.49 87.52 12 25 5 4853.0 27.57 242.83
 100.00 3 47 18 1680.32 -12.81 5.34 164.61 117.24 4 15 18 1080.3 -9.06 358.56
 100.00 12 22 51 5167.10 29.70 230.31 173.40 86.44 13 48 58 4567.1 28.89 221.60
 110.00 4 39 9 1517.90 -16.26 351.05 162.64 120.49 5 4 27 917.9 -12.09 344.42
 110.00 13 47 29 4902.28 33.63 209.80 172.99 83.47 15 9 12 4302.3 32.36 200.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0483 TRA-1.5796 TC3-1.1358 BAU .5734 SGT 2065.0 SGR 462.0 SG3 292.4 ST 466.1 SR 233.7 SS 147.7
 RDE -.2377 RRA .2130 RC3 .2858 FAU .11000 RRT -.8230 RRF -.8752 RTF .8917 CRT -.1739 CRS .5001 CST -.9274
 FDE .1039 FRA-1.2714 FC3-2.6002 BSP 6275 SGB 2116.0 R23 .2281 R13 -.8972 LSA 489.1 MSA 232.6 SSA 20.4
 BDE .2425 BRA 1.5939 BC3 1.1712 FSP -939 SGI 2100.2 SG2 258.0 THA 169.41 EL1 468.5 EL2 229.0 ALF 173.44

LAUNCH DATE DEC 27 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 313.776

RL 147.12 LAL .00 LOL 95.03 VL 28.709 GAL -11.20 AZL 88.65 MCA 149.75 SMA 135.43 ECC .21196 INC 1.3549 V1 30.282
 RP 108.50 LAP .68 LOP 244.79 VP 38.293 GAP 4.30 A7P 91.17 TAL 235.25 TAP 24.99 RCA 106.73 APO 164.14 V2 34.926
 RC 106.225 GL 6.43 GP 18.95 ZAL 157.98 ZAP 126.85 ETS 12.16 ZAE 140.12 ETE 160.04 ZAC 29.12 ETC 181.98 CLP-129.35

PLANETOCENTRIC CONIC

C3 35.388 VHL 5.949 DLA -14.61 RAL 296.89 RAD 6568.4 VEL 12.520 PTH 2.27 VHP 4.421 DPA -4.39 RAP 295.14 ECC 1.5824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 56 1883.58 -10.41 21.52 165.75 116.48 3 15 20 1283.6 -6.77 14.73
 90.00 10 51 10 5471.28 28.26 252.77 174.14 88.18 12 22 21 4871.3 27.71 244.15
 100.00 3 57 26 1646.43 -11.74 3.39 165.06 117.69 4 24 52 1046.4 -7.94 356.65
 100.00 12 20 21 5183.66 29.76 231.54 174.07 87.08 13 46 44 4583.7 29.04 222.81
 110.00 4 48 8 1487.59 -15.21 349.33 163.06 120.99 5 12 56 887.6 -10.99 342.77
 110.00 13 46 7 4915.26 33.72 210.80 173.70 84.06 15 8 3 4315.3 32.53 201.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0854 TRA-1.6145 TC3-1.2419 BAU .6058 SGT 2184.5 SGR 470.2 SG3 281.5 ST 491.1 SR 211.5 SS 137.3
 RDE -.2096 RRA .2069 RC3 .3121 FAU .10471 RRT -.8402 RRF -.8990 RTF .8921 CRT -.1317 CRS .4044 CST -.9462
 FDE .0432 FRA-1.1563 FC3-2.5616 BSP 6690 SGB 2234.6 R23 .2571 R13 -.8976 LSA 509.3 MSA 211.9 SSA 20.7
 BDE .2264 BRA 1.6277 BC3 1.2805 FSP -908 SGI 2220.4 SG2 250.8 THA 169.62 EL1 492.0 EL2 209.2 ALF 176.04

LAUNCH DATE DEC 27 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 319.786

RL 147.12 LAL .00 LOL 95.03 VL 28.640 GAL -10.99 AZL 88.91 MCA 152.93 SMA 134.89 ECC .21047 INC 1.0919 V1 30.282
 RP 108.54 LAP .50 LOP 247.97 VP 38.231 GAP 4.59 A7P 90.97 TAL 233.98 TAP 26.91 RCA 106.50 APO 163.28 V2 34.914
 RC 108.588 GL 5.26 GP 20.45 ZAL 157.48 ZAP 128.80 ETS 14.70 ZAE 138.28 ETE 159.11 ZAC 29.80 ETC 184.34 CLP-131.98

PLANETOCENTRIC CONIC

C3 34.152 VHL 5.844 DLA -15.61 RAL 297.95 RAD 6568.3 VEL 12.471 PTH 2.26 VHP 4.539 DPA -2.83 RAP 295.47 ECC 1.5621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 18 1838.95 -9.04 18.95 166.35 116.95 3 27 57 1238.9 -5.35 12.21
 90.00 10 46 14 5497.96 28.31 254.72 174.96 89.16 12 17 52 4898.0 27.89 246.08
 100.00 4 10 3 1604.18 -10.40 .97 165.63 118.18 4 36 47 1004.2 -6.55 354.30
 100.00 12 16 9 5207.95 29.83 233.34 174.92 88.03 13 42 57 4607.9 29.24 224.59
 110.00 4 59 12 1450.23 -13.89 347.24 163.58 121.55 5 23 22 850.2 -9.61 340.75
 110.00 13 43 30 4934.68 33.85 212.30 174.63 84.94 15 5 45 4334.7 32.78 203.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1353 TRA-1.6399 TC3-1.3537 BAU .6376 SGT 2303.8 SGR 482.2 SG3 270.0 ST 520.2 SR 186.4 SS 129.6
 RDE -.1793 RRA .1992 RC3 .3428 FAU .09923 RRT -.8543 RRF -.9212 RTF .8920 CRT -.0798 CRS .2582 CST -.9687
 FDE -.0249 FRA-1.0395 FC3-2.5153 BSP 7110 SGB 2353.8 R23 .2890 R13 -.8977 LSA 535.5 MSA 186.9 SSA 21.2
 BDE .2246 BRA 1.6320 BC3 1.3964 FSP -875 SGI 2340.8 SG2 246.7 THA 169.75 EL1 520.5 EL2 185.7 ALF 178.12

LAUNCH DATE DEC 27 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 325.775

RL 147.12 LAL .00 LOL 95.03 VL 28.570 GAL -10.78 AZL 89.24 MCA 156.11 SMA 134.34 ECC .20905 INC .7643 V1 30.282
 RP 108.58 LAP .31 LOP 251.15 VP 38.168 GAP 4.86 A7P 90.70 TAL 232.67 TAP 28.78 RCA 106.26 APO 162.42 V2 34.903
 RC 110.951 GL 3.74 GP 22.36 ZAL 156.92 ZAP 130.37 ETS 17.71 ZAE 136.40 ETE 157.85 ZAC 30.73 ETC 187.14 CLP-134.46

PLANETOCENTRIC CONIC

C3 32.928 VHL 5.738 DLA -16.93 RAL 299.14 RAD 6568.3 VEL 12.422 PTH 2.24 VHP 4.676 DPA -.85 RAP 295.86 ECC 1.5419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 14 41 1780.98 -7.24 15.65 167.16 117.45 3 44 22 1181.0 -3.50 8.96
 90.00 10 38 19 5537.51 28.31 257.61 176.04 90.61 12 10 37 4937.5 28.10 248.95
 100.00 4 26 21 1549.71 -8.63 357.89 166.41 118.73 4 52 11 949.7 -4.73 351.28
 100.00 12 9 20 5244.02 29.89 236.02 176.04 89.44 13 36 44 4644.0 29.49 227.24
 110.00 5 13 17 1402.71 -12.18 344.62 164.29 122.19 5 36 40 802.7 -7.84 338.21
 110.00 13 38 54 4963.79 34.00 214.56 175.86 86.26 15 1 38 4363.8 33.11 205.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2006 TRA-1.6513 TC3-1.4688 BAU .6677 SGT 2419.1 SGR 498.2 SG3 256.7 ST 556.8 SR 158.0 SS 127.3
 RDE -.1462 RRA .1886 RC3 .3779 FAU .09320 RRT -.8639 RRF -.9409 RTF .8912 CRT -.0721 CRS .0653 CST -.9834
 FDE -.1012 FRA -.9146 FC3-2.4503 BSP 7479 SGB 2469.9 R23 .3234 R13 -.8971 LSA 570.7 MSA 158.1 SSA 21.9
 BDE .2483 BRA 1.6620 BC3 1.5167 FSP -828 SGI 2457.5 SG2 247.0 THA 169.81 EL1 556.8 EL2 158.0 ALF 179.61

LAUNCH DATE DEC 27 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 331.744

RL 147.12 LAL .00 LOL 95.03 VL 28.500 GAL -10.55 AZL 89.66 MCA 159.29 SMA 133.80 ECC .20768 INC .3434 V1 30.282
 RP 108.61 LAP .12 LOP 254.32 VP 38.105 GAP 5.13 AZP 90.32 TAL 231.32 TAP 30.60 RCA 106.01 APO 161.98 V2 34.892
 RC 113.313 GL 1.71 GP 24.82 ZAL 156.23 ZAP 131.45 ETS 21.34 ZAE 134.38 ETE 156.20 ZAC 31.95 ETC 190.53 CLP-136.83

PLANETOCENTRIC CONIC

C3 31.745 VHL 5.634 DLA -18.74 RAL 300.51 RAD 6568.3 VEL 12.374 PTH 2.23 VMP 4.842 DPA 1.69 RAP 296.25 ECC 1.5224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 38 35 1701.91 -4.73 11.18 168.36 117.95 4 6 57 1101.9 -1.96 4.54
 90.00 10 25 21 5598.16 28.19 262.04 177.47 92.83 11 58 39 4998.2 28.28 253.38
 100.00 4 48 33 1476.14 -6.20 353.79 167.56 119.30 5 13 9 876.1 -2.25 347.23
 100.00 11 58 4 5299.16 29.85 240.12 177.55 91.59 13 26 24 4699.2 29.76 231.32
 110.00 5 32 4 1339.79 -9.87 341.21 165.32 122.89 5 54 24 739.8 -5.47 334.88
 110.00 13 31 3 5008.27 34.15 218.03 177.54 88.31 14 54 31 4408.3 33.54 208.84

DIFFERENTIAL CORRECTIONS

TOE -.2933 TRA-1.6486 TC3-1.5913 BAU .6985
 RDE -.1072 RRA .1755 RC3 .4205 FAU .08691
 FDE -.1960 FRA -.7897 FC3-2.3701 BSP 7902
 BDE .3123 BRA 1.6579 BC3 1.6459 FSP -788

MID-COURSE EXECUTION ACCURACY

SGT 2537.4 SGR 521.4 SG3 242.7
 RRT -.8698 RRF -.9581 RTF .8908
 SGB 2590.4 R23 .3557 R13 -.8972
 SG1 2578.0 SG2 253.3 TMA 169.77

ORBIT DETERMINATION ACCURACY

ST 611.5 SR 123.6 SS 139.3
 CRT .0228 CR3 -.1508 CST -.9767
 LSA 626.5 MSA 124.9 SSA 23.1
 EL1 611.5 EL2 123.6 ALF .28

LAUNCH DATE DEC 27 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 337.693

RL 147.12 LAL .00 LOL 95.03 VL 28.429 GAL -10.32 AZL 90.22 MCA 162.46 SMA 133.25 ECC .20638 INC .2178 V1 30.282
 RP 108.64 LAP -.07 LOP 257.50 VP 38.042 GAP 5.38 AZP 89.79 TAL 229.93 TAP 32.39 RCA 105.75 APO 160.75 V2 34.881
 RC 115.673 GL -1.11 GP 28.08 ZAL 155.27 ZAP 131.86 ETS 25.76 ZAE 132.05 ETE 154.06 ZAC 33.57 ETC 194.68 CLP-139.14

PLANETOCENTRIC CONIC

C3 30.670 VHL 5.538 DLA -21.30 RAL 302.16 RAD 6568.2 VEL 12.331 PTH 2.22 VMP 5.057 DPA 5.03 RAP 296.54 ECC 1.5047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 14 24 1585.33 -.99 4.66 170.33 118.30 4 40 49 985.3 2.80 358.03
 90.00 10 2 41 5697.42 27.64 269.25 179.41 96.40 11 37 39 5097.4 28.24 260.64
 100.00 5 21 12 1369.72 -2.62 347.91 169.43 119.79 5 44 2 769.7 1.36 341.39
 100.00 11 38 34 5388.26 29.50 246.72 179.63 95.05 13 8 22 4788.3 29.89 237.94
 110.00 5 58 51 1251.73 -6.58 336.51 166.97 123.62 6 19 43 651.7 -2.12 330.27
 110.00 13 17 25 5079.02 34.15 223.55 179.94 91.58 14 42 4 4479.0 33.99 214.31

DIFFERENTIAL CORRECTIONS

TOE -.4235 TRA-1.6213 TC3-1.7122 BAU .7279
 RDE -.0599 RRA .1565 RC3 .4692 FAU .07961
 FDE -.3072 FRA -.6524 FC3-2.2471 BSP 8279
 BDE .4277 BRA 1.6288 BC3 1.7753 FSP -731

MID-COURSE EXECUTION ACCURACY

SGT 2651.3 SGR 551.5 SG3 225.6
 RRT -.8694 RRF -.9718 RTF .8901
 SGB 2708.1 R23 .3843 R13 -.8973
 SG1 2694.8 SG2 268.1 TMA 169.65

ORBIT DETERMINATION ACCURACY

ST 697.8 SR 82.5 SS 171.4
 CRT -.0325 CR3 -.2230 CST -.9533
 LSA 716.7 MSA 93.6 SSA 24.0
 EL1 697.8 EL2 82.5 ALF 179.78

LAUNCH DATE DEC 27 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 343.623

RL 147.12 LAL .00 LOL 95.03 VL 28.357 GAL -10.08 AZL 91.02 MCA 165.63 SMA 132.71 ECC .20514 INC 1.0245 V1 30.282
 RP 108.68 LAP -.25 LOP 260.67 VP 37.979 GAP 5.62 AZP 89.01 TAL 228.51 TAP 34.14 RCA 105.49 APO 159.94 V2 34.870
 RC 118.029 GL -5.24 GP 32.54 ZAL 153.73 ZAP 131.26 ETS 31.17 ZAE 129.12 ETE 151.35 ZAC 35.79 ETC 199.87 CLP-141.47

PLANETOCENTRIC CONIC

C3 29.878 VHL 5.466 DLA -25.09 RAL 304.28 RAD 6568.2 VEL 12.298 PTH 2.22 VMP 5.363 DPA 9.55 RAP 296.58 ECC 1.4917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 45 1381.77 5.56 353.28 174.23 117.81 5 41 46 781.8 9.24 346.54
 90.00 9 15 18 5887.86 25.46 282.75 181.83 102.82 10 53 26 5287.9 26.98 274.41
 100.00 6 18 56 1193.87 3.34 338.26 173.01 119.72 6 36 50 593.9 7.27 331.67
 100.00 10 59 47 5551.00 27.94 258.56 182.42 101.08 12 32 18 4951.0 29.19 249.97
 110.00 6 41 28 1116.92 -1.46 329.44 170.02 124.16 7 0 5 516.9 3.03 323.23
 110.00 12 51 45 5200.71 33.52 232.99 183.46 97.13 14 18 25 4600.7 34.14 223.80

DIFFERENTIAL CORRECTIONS

TOE -.6229 TRA-1.5613 TC3-1.8240 BAU .7581
 RDE .0046 RRA .1291 RC3 .5242 FAU .07112
 FDE -.4502 FRA -.5071 FC3-2.0609 BSP 8706
 BDE .6229 BRA 1.5666 BC3 1.8979 FSP -669

MID-COURSE EXECUTION ACCURACY

SGT 2769.2 SGR 592.2 SG3 205.2
 RRT -.8633 RRF -.9817 RTF .8910
 SGB 2831.8 R23 .4035 R13 -.8991
 SG1 2816.5 SG2 293.8 TMA 169.42

ORBIT DETERMINATION ACCURACY

ST 850.8 SR 48.2 SS 235.5
 CRT -.6943 CR3 .4627 CST -.9428
 LSA 880.1 MSA 81.5 SSA 19.4
 EL1 851.4 EL2 34.7 ALF 177.74

LAUNCH DATE DEC 27 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 349.533

RL 147.12 LAL .00 LOL 95.03 VL 28.286 GAL -9.84 AZL 92.27 MCA 168.80 SMA 132.18 ECC .20397 INC 2.2725 V1 30.282
 RP 108.71 LAP -.44 LOP 263.84 VP 37.916 GAP 5.85 AZP 87.77 TAL 227.06 TAP 35.85 RCA 105.22 APO 159.14 V2 34.860
 RC 120.382 GL -11.66 GP 38.87 ZAL 150.73 ZAP 129.06 ETS 37.79 ZAE 125.01 ETE 148.07 ZAC 39.03 ETC 206.48 CLP-144.04

PLANETOCENTRIC CONIC

C3 29.892 VHL 5.467 DLA -31.04 RAL 307.37 RAD 6568.2 VEL 12.299 PTH 2.22 VMP 5.859 DPA 15.87 RAP 296.04 ECC 1.4919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.73 5 43 49 1330.02 18.66 356.18 183.20 115.26 6 5 59 730.0 21.91 348.80
 103.27 9 14 50 651.80 18.68 306.12 183.20 115.24 9 25 42 51.8 21.93 298.74
 76.73 5 43 49 1330.02 18.66 356.18 183.20 115.26 6 5 59 730.0 21.91 348.80
 103.27 9 14 50 651.80 18.68 306.12 183.20 115.24 9 25 42 51.8 21.93 298.74
 110.00 8 8 41 858.86 8.35 315.90 177.26 123.27 8 23 0 258.9 12.67 309.46
 110.00 11 49 9 5459.00 29.68 252.10 187.95 107.79 13 20 8 4859.0 31.82 243.54

DIFFERENTIAL CORRECTIONS

TOE -.9343 TRA-1.4419 TC3-1.8864 BAU .7877
 RDE .1019 RRA .0833 RC3 .5714 FAU .06043
 FDE -.6296 FRA -.3445 FC3-1.7501 BSP 9185
 BDE .9597 BRA 1.4443 BC3 1.9710 FSP -588

MID-COURSE EXECUTION ACCURACY

SGT 2892.2 SGR 642.0 SG3 178.6
 RRT -.8483 RRF -.9862 RTF .8947
 SGB 2962.6 R23 .4096 R13 -.9038
 SG1 2943.7 SG2 333.9 TMA 169.20

ORBIT DETERMINATION ACCURACY

ST 1133.1 SR 112.6 SS 341.3
 CRT -.9725 CR3 .9927 CST -.9559
 LSA 1184.6 MSA 98.7 SSA 9.8
 EL1 1138.4 EL2 26.1 ALF 174.48

LAUNCH DATE DEC 27 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 355.418

RL 147.12 LAL .00 LOL 95.03 VL 28.214 GAL -9.58 AZL 94.48 HCA 171.95 SMA 131.65 ECC .20284 INC 4.4798 V1 30.282
 RP 108.74 LAP -.63 LOP 267.01 VP 37.854 GAP 6.07 AZP 85.56 TAL 225.57 TAP 37.52 RCA 104.94 APO 158.35 V2 34.851
 RC 122.731 GL -22.35 GP 48.19 ZAL 144.15 ZAP 124.21 ETS 45.94 ZAE 118.65 ETE 144.69 ZAC 44.10 ETC 215.07 CLP -147.51

PLANETOCENTRIC CONIC

C3 32.677 VML 3.716 DLA -40.88 RAL 312.93 RAD 6568.3 VEL 12.412 PTH 2.24 VMP 6.830 DPA 25.03 RAP 294.13 ECC 1.5378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.18 4 25 58 1653.24 23.11 24.52 193.37 124.71 4 53 31 1053.2 27.49 17.53
 120.82 11 17 2 5661.40 23.13 264.74 193.38 124.70 12 51 23 5061.4 27.50 257.74
 59.18 4 25 58 1653.24 23.11 24.52 193.37 124.71 4 53 31 1053.2 27.49 17.53
 120.82 11 17 2 5661.40 23.13 264.74 193.38 124.70 12 51 23 5061.4 27.50 257.74
 59.18 4 25 58 1653.24 23.11 24.52 193.37 124.71 4 53 31 1053.2 27.49 17.53
 120.82 11 17 2 5661.40 23.13 264.74 193.38 124.70 12 51 23 5061.4 27.50 257.74

DIFFERENTIAL CORRECTIONS

TDE-1.5819 TRA-1.1804 TC3-1.7555 BAU .8037
 RDE .2594 RRA -.0085 RC3 .5508 FAU .04592
 FDE -.8406 FRA -.1517 FC3-1.2165 BSP 9432
 BDE 1.6030 BRA 1.1805 BC3 1.8398 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 2998.5 SGR 681.4 SG3 141.6
 RRT -.8117 RRF -.9787 RTF .9041
 SGB 3074.9 R23 .3972 R13 -.9139
 SG1 3049.9 SG2 391.2 THA 169.37

ORBIT DETERMINATION ACCURACY

ST 1654.7 SR 260.7 SS 499.0
 CRT -.9546 CRS .9962 CST -.9766
 LSA 1743.3 MSA 125.8 SSA 3.9
 EL1 1673.3 EL2 76.8 ALF 171.43

LAUNCH DATE DEC 27 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 361.262

RL 147.12 LAL .00 LOL 95.03 VL 28.143 GAL -9.31 AZL 99.48 HCA 175.07 SMA 131.12 ECC .20173 INC 9.4804 V1 30.282
 RP 108.76 LAP -.81 LOP 270.18 VP 37.793 GAP 6.28 AZP 80.55 TAL 224.04 TAP 39.12 RCA 104.67 APO 157.58 V2 34.842
 RC 125.075 GL -40.58 GP 62.21 ZAL 129.70 ZAP 115.13 ETS 57.58 ZAE 107.78 ETE 144.45 ZAC 52.26 ETC 228.01 CLP -155.67

PLANETOCENTRIC CONIC

C3 49.455 VML 7.032 DLA -56.68 RAL 327.91 RAD 6568.8 VEL 13.070 PTH 2.39 VMP 9.366 DPA 38.39 RAP 288.14 ECC 1.8139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.61 4 14 57 1931.75 24.50 53.21 220.47 142.87 4 47 9 1331.8 30.77 48.02
 141.39 13 27 34 5591.68 24.51 259.40 220.48 142.86 15 0 46 4991.7 30.78 254.21
 38.61 4 14 57 1931.75 24.50 53.21 220.47 142.87 4 47 9 1331.8 30.77 48.02
 141.39 13 27 34 5591.68 24.51 259.40 220.48 142.86 15 0 46 4991.7 30.78 254.21
 38.61 4 14 57 1931.75 24.50 53.21 220.47 142.87 4 47 9 1331.8 30.77 48.02
 141.39 13 27 34 5591.68 24.51 259.40 220.48 142.86 15 0 46 4991.7 30.78 254.21

DIFFERENTIAL CORRECTIONS

TDE-3.1847 TRA -.5122 TC3-1.1254 BAU .7711
 RDE .4054 RRA -.2066 RC3 .3062 FAU .02742
 FDE-1.0780 FRA .0703 FC3 -.4800 BSP 9764
 BDE 3.2104 BRA .5522 BC3 1.1663 FSP -308

MID-COURSE EXECUTION ACCURACY

SGT 3132.9 SGR 623.2 SG3 96.1
 RRT -.6689 RRF -.8837 RTF .9376
 SGB 3194.3 R23 .3265 R13 -.9442
 SG1 3161.1 SG2 459.1 THA 172.26

ORBIT DETERMINATION ACCURACY

ST 2605.1 SR 343.1 SS 711.4
 CRT -.9361 CRS .9723 CST -.9924
 LSA 2718.4 MSA 144.3 SSA 1.3
 EL1 2624.9 EL2 119.8 ALF 172.96

LAUNCH DATE DEC 27 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 366.933

RL 147.12 LAL .00 LOL 95.03 VL 28.072 GAL -9.01 AZL 120.36 HCA 178.04 SMA 130.61 ECC .20026 INC30.3611 V1 30.282
 RP 108.79 LAP -.99 LOP 273.34 VP 37.732 GAP 6.43 AZP 59.65 TAL 222.41 TAP 40.45 RCA 104.45 APO 156.76 V2 34.834
 RC 127.413 GL -61.23 GP 75.30 ZAL 105.72 ZAP 100.97 ETS 119.16 ZAE 85.13 ETE 196.74 ZAC 63.71 ETC 293.37 CLP 138.58

PLANETOCENTRIC CONIC

C3 255.594 VML 15.987 DLA -63.86 RAL 17.59 RAD 6571.5 VEL 19.414 PTH 3.10 VMP 21.448 DPA 53.77 RAP 260.20 ECC 5.2064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.03 7 11 35 2300.01 6.61 71.25 284.32 153.67 7 49 55 1700.0 13.76 68.02
 149.97 17 7 21 5880.98 6.62 266.96 284.34 153.67 18 45 22 5281.0 13.77 263.73
 30.03 7 11 35 2300.01 6.61 71.25 284.32 153.67 7 49 55 1700.0 13.76 68.02
 149.97 17 7 21 5880.98 6.62 266.96 284.34 153.67 18 45 22 5281.0 13.77 263.73
 30.03 7 11 35 2300.01 6.61 71.25 284.32 153.67 7 49 55 1700.0 13.76 68.02
 149.97 17 7 21 5880.98 6.62 266.96 284.34 153.67 18 45 22 5281.0 13.77 263.73

DIFFERENTIAL CORRECTIONS

TDE-3.3371 TRA 2.0999 TC3 -.0383 BAU .1656
 RDE-5.5935 RRA 1.7884 RC3 .0298 FAU .00199
 FDE-1.0925 FRA .5921 FC3 -.0067 BSP 9316
 BDE 6.5133 BRA 2.7583 BC3 .0485 FSP -162

MID-COURSE EXECUTION ACCURACY

SGT 2088.7 SGR 2478.6 SG3 53.7
 RRT .9408 RRF .9636 RTF .9971
 SGB 3241.3 R23 -.1276 R13 .9918
 SG1 3194.4 SG2 549.5 THA 50.18

ORBIT DETERMINATION ACCURACY

ST 1301.1 SR 2051.6 SS 773.4
 CRT .9819 CRS -.9903 CST -.9987
 LSA 2540.2 MSA 218.0 SSA .5
 EL1 2420.4 EL2 208.8 ALF 57.82

LAUNCH DATE DEC 27 1965

FLIGHT TIME 124.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 373.477

RL 147.12 LAL .00 LOL 95.03 VL 28.001 GAL -8.88 AZL 51.53 HCA 181.88 SMA 130.10 ECC .20133 INC38.4666 V1 30.282
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.672 GAP 6.83 AZP 128.45 TAL 221.17 TAP 43.05 RCA 103.90 APO 156.29 V2 34.826
 RC 129.747 GL 60.81 GP -74.22 ZAL 102.47 ZAP 101.17 ETS 213.95 ZAE 79.31 ETE 138.81 ZAC 90.95 ETC 47.34 CLP 135.41

PLANETOCENTRIC CONIC

C3 388.626 VML 19.714 DLA 46.94 RAL 311.74 RAD 6572.1 VEL 22.582 PTH 3.26 VMP 22.442 DPA -72.76 RAP 138.76 ECC 7.3958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.86 15 46 28 4866.15 -2.98 226.10 218.97 43.14 17 7 34 4266.1 -8.80 220.99
 129.14 23 43 8 3411.87 -2.97 112.67 218.95 43.14 24 40 0 2811.9 -8.78 107.56
 50.86 15 46 28 4866.15 -2.98 226.10 218.97 43.14 17 7 34 4266.1 -8.80 220.99
 129.14 23 43 8 3411.87 -2.97 112.67 218.95 43.14 24 40 0 2811.9 -8.78 107.56
 50.86 15 46 28 4866.15 -2.98 226.10 218.97 43.14 17 7 34 4266.1 -8.80 220.99
 129.14 23 43 8 3411.87 -2.97 112.67 218.95 43.14 24 40 0 2811.9 -8.78 107.56

DIFFERENTIAL CORRECTIONS

TDE 3.6556 TRA .0264 TC3 -.0106 BAU .5392
 RDE-8.7416 RRA 4.2935 RC3 -.1032 FAU-.00447
 FDE 1.8625 FRA -.6363 FC3 .0100 BSP 9674
 BDE 9.4751 BRA 4.2936 BC3 .1038 FSP -165

MID-COURSE EXECUTION ACCURACY

SGT 1063.4 SGR 3156.0 SG3 52.4
 RRT -.7931 RRF -.9853 RTF .8844
 SGB 3330.3 R23 -.1164 R13 -.9929
 SG1 3271.2 SG2 624.8 THA 105.54

ORBIT DETERMINATION ACCURACY

ST 1062.5 SR 2599.2 SS 1061.4
 CRT -.9768 CRS .9980 CST -.9884
 LSA 2994.2 MSA 213.7 SSA .9
 EL1 2800.0 EL2 211.2 ALF 111.90

LAUNCH DATE DEC 27 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 379.108

RL 147.12 LAL .00 LOL 95.03 VL 27.930 GAL -8.55 AZL 73.82 MCA 184.83 SMA 129.60 ECC .20000 INC16.1810 V1 30.282
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.613 GAP 6.97 AZP 106.13 TAL 219.48 TAP 44.31 RCA 103.68 APO 155.52 V2 34.819
 RC 132.074 GL 54.19 GP -60.76 ZAL 115.53 ZAP 117.45 ETS 286.42 ZAE 103.21 ETE 204.59 ZAC 79.65 ETC 117.60 CLP-160.66

PLANETOCENTRIC CONIC

C3 90.085 VHL 9.491 DLA 35.95 RAL 302.26 RAD 6569.8 VEL 14.541 PTH 2.64 VHP 9.632 DPA -79.15 RAP 352.01 ECC 2.4826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.87 16 19 31 4434.14 -11.62 196.45 195.80 55.74 17 33 25 3834.1 -16.04 190.00
 113.13 21 54 27 3374.33 -11.60 116.91 195.79 55.74 22 50 41 2774.3 -16.02 110.45
 66.87 16 19 31 4434.14 -11.62 196.45 195.80 55.74 17 33 25 3834.1 -16.04 190.00
 113.13 21 54 27 3374.33 -11.60 116.91 195.79 55.74 22 50 41 2774.3 -16.02 110.45
 66.87 16 19 31 4434.14 -11.62 196.45 195.80 55.74 17 33 25 3834.1 -16.04 190.00
 113.13 21 54 27 3374.33 -11.60 116.91 195.79 55.74 22 50 41 2774.3 -16.02 110.45

DIFFERENTIAL CORRECTIONS

TDE 3.7183 TRA-3.2774 TC3 -.5374 BAU .6474
 RDE -.0644 RRA .7580 RC3 -.0121 FAU .02501
 FDE 1.3679 FRA -.6903 FC3 -.2404 BSP 10987
 BDE 3.7188 BRA 3.3639 BC3 .5375 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 3471.5 SGR 567.0 SG3 92.9
 RRT -.7342 RRF -.5129 RTF .9587
 SGT 3517.5 R23 -.2939 R13 -.9549
 SG1 3496.6 SG2 382.2 TMA 173.08

ORBIT DETERMINATION ACCURACY

ST 2361.5 SR 174.0 SS 699.2
 CRT -.5150 CRS .3987 CST -.9915
 LSA 2462.9 MSA 173.6 SSA 1.1
 EL1 2363.2 EL2 149.0 ALF 177.82

LAUNCH DATE DEC 27 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 384.901

RL 147.12 LAL .00 LOL 95.03 VL 27.860 GAL -8.26 AZL 78.98 MCA 187.94 SMA 129.10 ECC .19925 INC11.0181 V1 30.282
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.555 GAP 7.15 AZP 100.92 TAL 217.86 TAP 45.80 RCA 103.38 APO 154.83 V2 34.812
 RC 134.395 GL 46.02 GP -45.48 ZAL 122.52 ZAP 129.56 ETS 299.66 ZAE 114.45 ETE 208.11 ZAC 70.83 ETC 130.38 CLP-155.29

PLANETOCENTRIC CONIC

C3 53.635 VHL 7.324 DLA 27.54 RAL 303.17 RAD 6568.9 VEL 13.229 PTH 2.42 VHP 7.162 DPA -64.12 RAP 332.08 ECC 1.8827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 8 42 3592.63 -18.23 136.76 190.04 67.95 21 8 34 2992.6 -21.07 129.23
 90.00 18 12 30 3971.14 -7.28 159.15 184.88 62.56 19 18 41 3371.1 -10.90 152.34
 100.00 22 11 10 3197.80 -22.54 109.48 191.82 69.83 23 4 28 2597.8 -25.08 101.61
 100.00 18 52 42 3841.20 -5.23 147.39 182.66 60.27 19 56 43 3241.2 -7.16 140.81
 110.00 0 83 2 2797.47 -30.04 81.91 194.64 72.86 1 9 39 2197.5 -32.09 73.29
 110.00 19 1 16 3814.29 3.49 141.18 178.49 55.97 20 4 50 3214.3 -1.00 134.97

DIFFERENTIAL CORRECTIONS

TDE 2.4630 TRA-2.8981 TC3-1.0984 BAU .7887
 RDE .2591 RRA .2537 RC3 -.0869 FAU .04085
 FDE 1.3500 FRA -.6913 FC3 -.6593 BSP 11103
 BDE 2.4766 BRA 2.9092 BC3 1.0999 FSP -448

MID-COURSE EXECUTION ACCURACY

SGT 3582.0 SGR 327.7 SG3 134.4
 RRT .0193 RRF .3932 RTF .9234
 SGT 3597.0 R23 .3754 R13 .9235
 SG1 3582.0 SG2 327.6 TMA .10

ORBIT DETERMINATION ACCURACY

ST 2074.5 SR 213.5 SS 663.5
 CRT .7657 CRS -.8816 CST -.9786
 LSA 2180.5 MSA 186.8 SSA 2.0
 EL1 2081.0 EL2 136.9 ALF 4.53

LAUNCH DATE DEC 27 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 390.712

RL 147.12 LAL .00 LOL 95.03 VL 27.790 GAL -7.96 AZL 81.24 MCA 191.09 SMA 128.62 ECC .19868 INC 8.7632 V1 30.282
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.498 GAP 7.33 AZP 98.60 TAL 216.22 TAP 47.31 RCA 103.06 APO 154.17 V2 34.806
 RC 136.709 GL 40.67 GP -35.27 ZAL 126.03 ZAP 137.63 ETS 306.69 ZAE 120.56 ETE 205.29 ZAC 65.83 ETC 137.17 CLP-154.81

PLANETOCENTRIC CONIC

C3 41.398 VHL 6.434 DLA 22.43 RAL 304.88 RAD 6568.6 VEL 12.758 PTH 2.32 VHP 6.343 DPA -53.71 RAP 328.34 ECC 1.6813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 57 2 3181.47 -26.33 109.44 188.17 79.20 22 50 3 2581.5 -27.56 100.99
 90.00 16 37 50 4252.62 1.74 174.92 178.10 61.73 17 48 43 3652.6 -2.06 168.29
 100.00 23 34 45 2866.38 -28.44 86.69 188.59 80.38 24 22 32 2266.4 -29.47 78.04
 100.00 17 42 48 4042.95 5.61 158.47 177.06 60.31 18 50 11 3443.0 -.37 151.94
 110.00 1 20 42 2547.25 -33.60 83.31 189.46 83.29 2 3 9 1947.2 -34.16 54.11
 110.00 18 17 17 3934.86 8.05 147.54 174.32 56.67 19 22 52 3334.9 3.61 141.27

DIFFERENTIAL CORRECTIONS

TDE 1.9344 TRA-2.6792 TC3-1.5317 BAU .8493
 RDE .2329 RRA .1582 RC3 -.0932 FAU .04994
 FDE 1.2777 FRA -.6464 FC3-1.0443 BSP 11549
 BDE 1.9483 BRA 2.6839 BC3 1.5345 FSP -539

MID-COURSE EXECUTION ACCURACY

SGT 3678.1 SGR 284.0 SG3 161.4
 RRT .1921 RRF .5701 RTF .9053
 SGT 3687.1 R23 .4027 R13 .9058
 SG1 3678.5 SG2 278.6 TMA .85

ORBIT DETERMINATION ACCURACY

ST 1889.5 SR 212.4 SS 632.3
 CRT .8025 CRS -.9287 CST -.9665
 LSA 1994.1 MSA 196.7 SSA 3.2
 EL1 1897.2 EL2 126.2 ALF 5.18

LAUNCH DATE DEC 27 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 396.522

RL 147.12 LAL .00 LOL 95.03 VL 27.721 GAL -7.66 AZL 82.50 MCA 194.24 SMA 128.14 ECC .19824 INC 7.4968 V1 30.282
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.442 GAP 7.52 AZP 97.27 TAL 214.57 TAP 48.81 RCA 102.74 APO 153.55 V2 34.801
 RC 139.015 GL 37.12 GP -28.37 ZAL 127.67 ZAP 143.10 ETS 311.90 ZAE 124.00 ETE 201.91 ZAC 63.34 ETC 142.16 CLP-155.33

PLANETOCENTRIC CONIC

C3 35.285 VHL 5.940 DLA 19.23 RAL 306.67 RAD 6568.4 VEL 12.516 PTH 2.27 VHP 6.015 DPA -46.47 RAP 327.56 ECC 1.5807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 42 41 3000.56 -27.98 96.47 185.88 85.49 23 32 41 2400.6 -28.32 87.82
 90.00 16 6 29 4352.83 4.95 180.52 176.27 62.08 17 19 2 3752.8 1.18 173.88
 100.00 0 19 52 2699.87 -29.72 74.49 186.02 86.67 1 4 52 2099.9 -29.87 65.69
 100.00 17 15 55 4128.75 6.48 163.22 175.43 60.76 18 24 44 3528.8 2.54 156.65
 110.00 1 53 51 2405.81 -34.18 52.32 186.18 89.77 2 33 57 1805.8 -33.84 43.09
 110.00 17 58 25 3995.58 10.31 150.80 173.10 57.23 19 5 1 3395.6 5.92 144.46

DIFFERENTIAL CORRECTIONS

TDE 1.6572 TRA-2.5316 TC3-1.8789 BAU .8870
 RDE .2005 RRA .1255 RC3 -.0700 FAU .05422
 FDE 1.1885 FRA -.5758 FC3-1.3304 BSP 11883
 BDE 1.6693 BRA 2.5347 BC3 1.8802 FSP -587

MID-COURSE EXECUTION ACCURACY

SGT 3771.7 SGR 246.5 SG3 176.2
 RRT .1755 RRF .5526 RTF .8947
 SGT 3779.8 R23 .4011 R13 .8950
 SG1 3772.0 SG2 242.6 TMA .66

ORBIT DETERMINATION ACCURACY

ST 1778.1 SR 197.2 SS 603.3
 CRT .7970 CRS -.9393 CST -.9557
 LSA 1876.9 MSA 203.7 SSA 4.5
 EL1 1785.0 EL2 118.6 ALF 5.07

LAUNCH DATE DEC 27 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 27.653 GAL -7.35 AZL 83.32 HCA 197.40 SMA 127.68 ECC .19792 INC 6.6825 V1 30.282
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.387 GAP 7.70 ATP 96.38 TAL 212.90 TAP 50.30 RCA 102.41 APO 152.94 V2 34.797
 RC 141.312 GL 34.65 GP -23.52 ZAL 128.22 ZAP 147.01 ETS 316.01 ZAE 126.02 ETE 198.94 ZAC 62.38 ETC 146.08 CLP-158.16

PLANETOCENTRIC CONIC

C3 31.504 VHL 5.613 DLA 17.18 RAL 308.47 RAD 6568.3 VEL 12.364 PTH 2.23 VHP 5.881 DPA -41.20 RAP 327.92 ECC 1.5185
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 11 5 2891.83 -28.31 88.54 184.61 89.45 23 59 17 2291.8 -28.09 79.88
 90.00 15 52 24 4404.40 6.59 183.43 175.86 62.40 17 5 48 3804.4 2.84 176.76
 100.00 0 48 15 2597.63 -29.89 66.90 184.61 90.66 1 29 32 1997.6 -29.47 58.11
 100.00 17 3 51 4173.83 7.97 165.73 175.11 61.10 18 13 25 3573.8 4.06 159.13
 110.00 2 16 15 2316.00 -33.99 45.31 184.42 93.91 2 54 51 1716.0 -33.07 36.19
 110.00 17 50 20 4028.23 11.50 152.57 172.98 57.59 18 57 28 3428.2 7.15 146.18

DIFFERENTIAL CORRECTIONS

TDE 1.4946 TRA-2.4149 TC3-2.1736 BAU .9156
 RDE .1813 RRA .1080 RC3 -.0378 FAU .05567
 FDE 1.1074 FRA -.4954 FC3-1.5297 BSP 12148
 BDE 1.5055 BRA 2.4173 BC3 2.1740 FSP -605

MID-COURSE EXECUTION ACCURACY

SGT 3865.1 SGR 222.1 SG3 183.4
 RRT .1025 RRF .4684 RTF .8873
 SGB 3871.5 R23 .3791 R13 .8874
 SG1 3865.2 SG2 221.0 TMA .34

ORBIT DETERMINATION ACCURACY

ST 1712.3 SR 188.2 SS 580.6
 CRT .7929 CR3 -.9471 CST -.9462
 LSA 1805.7 MSA 209.6 SSA 5.7
 EL1 1718.9 EL2 114.3 ALF 5.00

LAUNCH DATE DEC 27 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 27.585 GAL -7.03 AZL 83.89 HCA 200.55 SMA 127.22 ECC .19773 INC 6.1121 V1 30.282
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.333 GAP 7.88 ATP 95.73 TAL 211.21 TAP 51.77 RCA 102.06 APO 152.37 V2 34.793
 RC 143.598 GL 32.88 GP -19.98 ZAL 128.09 ZAP 149.97 ETS 319.30 ZAE 127.26 ETE 196.48 ZAC 62.36 ETC 149.22 CLP-157.10

PLANETOCENTRIC CONIC

C3 28.837 VHL 5.370 DLA 15.87 RAL 310.27 RAD 6568.2 VEL 12.256 PTH 2.20 VHP 5.838 DPA -37.17 RAP 328.85 ECC 1.4746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 30 57 2820.94 -28.25 83.35 184.12 92.05 24 17 58 2220.9 -27.67 74.74
 90.00 15 46 56 4430.94 7.42 184.94 176.10 62.59 17 0 47 3830.9 3.69 178.24
 100.00 1 5 1 2530.27 -29.73 61.89 184.04 93.28 1 47 12 1930.3 -28.96 53.17
 100.00 16 59 29 4196.84 8.73 167.02 175.40 61.30 18 9 26 3596.8 4.83 160.40
 110.00 2 32 47 2255.67 -33.61 40.64 183.64 96.65 3 10 23 1655.7 -32.32 31.65
 110.00 17 48 13 4044.21 12.09 153.44 173.39 57.78 18 55 37 3444.2 7.75 147.03

DIFFERENTIAL CORRECTIONS

TDE 1.3894 TRA-2.3170 TC3-2.4445 BAU .9424
 RDE .1714 RRA .0942 RC3 -.0053 FAU .05577
 FDE 1.0350 FRA -.4186 FC3-1.6742 BSP 12482
 BDE 1.3999 BRA 2.3189 BC3 2.4445 FSP -615

MID-COURSE EXECUTION ACCURACY

SGT 3961.7 SGR 210.7 SG3 186.7
 RRT .0209 RRF .3594 RTF .8822
 SGB 3967.3 R23 .3410 R13 .8822
 SG1 3961.7 SG2 210.7 TMA .06

ORBIT DETERMINATION ACCURACY

ST 1672.8 SR 185.6 SS 562.1
 CRT .7957 CR3 -.9557 CST -.9381
 LSA 1761.4 MSA 214.1 SSA 7.1
 EL1 1679.3 EL2 112.0 ALF 5.07

LAUNCH DATE DEC 27 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 27.518 GAL -6.71 AZL 84.31 HCA 203.71 SMA 126.77 ECC .19765 INC 5.6880 V1 30.282
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.281 GAP 8.06 ATP 95.21 TAL 209.51 TAP 53.22 RCA 101.71 APO 151.82 V2 34.790
 RC 145.874 GL 31.56 GP -17.31 ZAL 127.49 ZAP 152.34 ETS 321.95 ZAE 128.06 ETE 194.49 ZAC 62.95 ETC 151.80 CLP-158.08

PLANETOCENTRIC CONIC

C3 26.790 VHL 5.176 DLA 15.05 RAL 312.11 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 5.842 DPA -33.95 RAP 330.12 ECC 1.4409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 45 50 2773.28 -28.08 79.88 184.17 93.78 24 32 3 2173.3 -27.26 71.31
 90.00 15 46 43 4441.91 7.77 185.56 176.72 62.68 17 0 45 3841.9 4.04 178.86
 100.00 1 19 16 2484.61 -29.50 58.52 184.04 95.05 2 0 41 1884.6 -28.49 49.86
 100.00 16 59 53 4205.81 9.02 167.53 176.04 61.38 18 9 59 3605.8 5.13 160.90
 110.00 2 45 44 2214.07 -33.23 37.45 183.52 98.50 3 22 38 1614.1 -31.70 28.56
 110.00 17 49 54 4049.12 12.26 153.71 174.11 57.84 18 57 24 3449.1 7.93 147.29

DIFFERENTIAL CORRECTIONS

TDE 1.3233 TRA-2.2240 TC3-2.6979 BAU .9663
 RDE .1678 RRA .0817 RC3 .0256 FAU .05498
 FDE .9758 FRA -.3435 FC3-1.7766 BSP 12774
 BDE 1.3339 BRA 2.2235 BC3 2.6980 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 4055.2 SGR 209.7 SG3 187.4
 RRT -.0479 RRF .2529 RTF .8780
 SGB 4060.7 R23 -.2954 R13 -.8780
 SG1 4055.3 SG2 209.4 TMA 179.86

ORBIT DETERMINATION ACCURACY

ST 1654.6 SR 187.8 SS 549.2
 CRT .8060 CR3 -.9652 CST -.9317
 LSA 1739.9 MSA 217.6 SSA 8.3
 EL1 1661.6 EL2 110.7 ALF 5.25

LAUNCH DATE DEC 27 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 27.452 GAL -6.37 AZL 84.64 HCA 206.87 SMA 126.33 ECC .19770 INC 5.3587 V1 30.282
 RP 108.93 LAP -2.42 LOP 301.80 VP 37.230 GAP 8.24 ATP 94.78 TAL 207.79 TAP 54.66 RCA 101.35 APO 151.30 V2 34.787
 RC 148.138 GL 30.55 GP -15.23 ZAL 126.54 ZAP 154.31 ETS 324.10 ZAE 128.59 ETE 192.87 ZAC 63.94 ETC 153.94 CLP-159.06

PLANETOCENTRIC CONIC

C3 25.130 VHL 5.013 DLA 14.60 RAL 313.99 RAD 6568.0 VEL 12.104 PTH 2.17 VHP 5.875 DPA -31.27 RAP 331.61 ECC 1.4136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 1 24 2741.31 -27.92 77.55 184.63 94.94 0 47 5 2141.3 -26.94 69.02
 90.00 15 50 6 4442.22 7.78 185.58 177.58 62.69 17 4 8 3842.2 4.05 178.87
 100.00 1 30 35 2453.71 -29.30 56.24 184.48 96.23 2 11 28 1853.7 -28.12 47.64
 100.00 17 3 36 4205.05 9.00 167.48 176.93 61.37 18 13 41 3605.1 5.11 160.86
 110.00 2 56 21 2185.35 -32.92 35.27 183.88 99.76 3 32 46 1585.4 -31.23 26.46
 110.00 17 54 19 4046.18 12.16 153.55 175.04 57.80 19 1 45 3446.2 7.82 147.14

DIFFERENTIAL CORRECTIONS

TDE 1.2749 TRA-2.1402 TC3-2.9550 BAU .9929
 RDE .1673 RRA .0890 RC3 .0529 FAU .05410
 FDE .9190 FRA -.2807 FC3-1.8640 BSP 13245
 BDE 1.2859 BRA 2.1413 BC3 2.9554 FSP -628

MID-COURSE EXECUTION ACCURACY

SGT 4158.2 SGR 214.5 SG3 187.4
 RRT -.0948 RRF .1807 RTF .8764
 SGB 4163.7 R23 -.2449 R13 -.8763
 SG1 4158.2 SG2 213.6 TMA 179.72

ORBIT DETERMINATION ACCURACY

ST 1645.1 SR 192.8 SS 536.4
 CRT .8197 CR3 -.9737 CST -.9268
 LSA 1727.2 MSA 219.0 SSA 9.7
 EL1 1652.7 EL2 109.9 ALF 5.51

LAUNCH DATE DEC 27 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 425.467

RL 147.12 LAL .00 LOL 95.03 VL 27.386 GAL -6.03 AZL 84.91 MCA 210.03 SMA 125.90 ECC .19788 INC 5.0942 V1 30.282
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.180 GAP 8.41 AZP 94.41 TAL 206.05 TAP 56.08 RCA 100.99 APO 150.81 V2 34.786
 RC 150.390 GL 29.76 GP -13.58 ZAL 125.30 ZAP 156.00 ETS 325.85 ZAE 128.97 ETE 191.54 ZAC 65.22 ETC 155.76 CLP-160.02

PLANETOCENTRIC CONIC

C3 23.729 VHL 4.871 DLA 14.42 RAL 315.94 RAD 6568.0 VEL 12.046 PTH 2.15 VHP 5.926 OPA -28.99 RAP 333.25 ECC 1.3905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 10 48 2720.85 -27.79 76.07 185.42 95.67 0 56 9 2120.8 -26.71 67.57
 90.00 15 56 14 4434.51 7.53 185.14 178.65 62.62 17 10 9 3834.5 3.81 178.44
 100.00 1 39 51 2435.66 -29.14 54.78 185.25 96.98 2 20 24 1833.7 -27.87 46.20
 100.00 17 9 52 4196.93 8.73 167.03 178.01 61.30 18 19 49 3596.9 4.83 160.41
 110.00 3 5 20 2166.16 -32.69 33.82 184.61 100.59 3 41 27 1566.2 -30.89 25.07
 110.00 18 0 52 4037.20 11.83 153.06 176.15 57.69 19 8 9 3437.2 7.48 146.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2836 TRA-2.0163 TC3-3.1452 BAU .9981 SGT 4203.0 SGR 228.7 SG3 182.8 ST 1681.6 SR 202.9 SS 549.7
 RDE .1715 RRA .0592 RC3 .0824 FAU .05099 RRT -.1223 RRF .1132 RTF .8659 CRT .8456 CRS -.9841 CST -.9243
 FDE .9100 FRA -.1788 FC3-1.8603 BSP 12796 SGB 4209.3 R23 -.2211 R13 -.8658 LSA 1766.5 MSA 224.8 SSA 10.5
 BDE 1.2950 BRA 2.0172 BC3 3.1463 FSP -552 SGI 4203.1 SG2 227.0 TMA 179.62 ELI 1690.3 EL2 107.7 ALF 5.85

LAUNCH DATE DEC 27 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 431.229

RL 147.12 LAL .00 LOL 95.03 VL 27.321 GAL -5.69 AZL 85.12 MCA 213.19 SMA 125.48 ECC .19820 INC 4.8757 V1 30.282
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.131 GAP 8.59 AZP 94.08 TAL 204.30 TAP 57.49 RCA 100.61 APO 150.34 V2 34.785
 RC 152.629 GL 29.14 GP -12.24 ZAL 123.84 ZAP 157.50 ETS 327.26 ZAE 129.24 ETE 190.44 ZAC 66.71 ETC 157.30 CLP-160.97

PLANETOCENTRIC CONIC

C3 22.524 VHL 4.746 DLA 14.45 RAL 317.98 RAD 6567.9 VEL 11.996 PTH 2.14 VHP 5.990 OPA -26.97 RAP 335.00 ECC 1.3707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 18 37 2709.08 -27.71 75.22 186.48 96.09 1 3 46 2109.1 -26.57 66.73
 90.00 16 4 32 4420.88 7.11 184.36 179.90 62.52 17 18 13 3820.9 3.37 177.68
 100.00 1 47 41 2421.83 -29.04 53.91 186.30 97.43 2 28 3 1821.8 -27.71 45.36
 100.00 17 18 9 4183.36 8.29 166.27 179.26 61.18 18 27 52 3583.4 4.38 159.66
 110.00 3 13 13 2154.21 -32.54 32.92 185.63 101.10 3 49 7 1554.2 -30.67 24.20
 110.00 18 9 6 4023.76 11.34 152.32 177.43 57.54 19 16 10 3423.8 6.98 145.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2587 TRA-1.9364 TC3-3.4120 BAU 1.0279 SGT 4315.7 SGR 238.8 SG3 182.3 ST 1686.1 SR 210.7 SS 537.8
 RDE .1740 RRA .0459 RC3 .1034 FAU .05018 RRT -.1329 RRF .0565 RTF .8680 CRT .8623 CRS -.9894 CST -.9226
 FDE .8586 FRA -.1335 FC3-1.9288 BSP 13486 SGB 4322.4 R23 -.1737 R13 -.8680 LSA 1768.3 MSA 222.3 SSA 11.9
 BDE 1.2706 BRA 1.9370 BC3 3.4136 FSP -582 SGI 4315.9 SG2 236.7 TMA 179.58 ELI 1695.9 EL2 106.1 ALF 6.18

LAUNCH DATE DEC 27 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 436.983

RL 147.12 LAL .00 LOL 95.03 VL 27.257 GAL -5.33 AZL 85.31 MCA 216.35 SMA 125.06 ECC .19866 INC 4.6913 V1 30.282
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.084 GAP 8.77 AZP 93.78 TAL 202.54 TAP 58.89 RCA 100.22 APO 149.91 V2 34.784
 RC 154.855 GL 28.62 GP -11.13 ZAL 122.17 ZAP 158.85 ETS 328.40 ZAE 129.45 ETE 189.52 ZAC 68.35 ETC 158.64 CLP-161.91

PLANETOCENTRIC CONIC

C3 21.470 VHL 4.634 DLA 14.64 RAL 320.07 RAD 6567.9 VEL 11.952 PTH 2.13 VHP 6.063 OPA -25.16 RAP 336.83 ECC 1.3533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 25 14 2704.48 -27.67 74.89 187.78 96.25 1 10 19 2104.5 -26.52 66.41
 90.00 16 14 43 4402.30 6.52 183.31 181.33 62.38 17 28 6 3802.3 2.77 176.64
 100.00 1 54 27 2416.78 -28.99 53.54 187.60 97.62 2 34 44 1816.8 -27.64 45.00
 100.00 17 28 12 4165.23 7.69 165.25 180.69 61.03 18 37 37 3565.2 3.77 158.66
 110.00 3 20 17 2148.21 -32.46 32.47 186.93 101.35 3 56 5 1548.2 -30.56 23.77
 110.00 18 18 51 4006.56 10.71 151.39 178.87 57.34 19 25 38 3406.6 6.33 145.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2595 TRA-1.8373 TC3-3.6548 BAU 1.0497 SGT 4405.8 SGR 252.0 SG3 180.2 ST 1712.4 SR 220.6 SS 536.7
 RDE .1781 RRA .0338 RC3 .1238 FAU .04857 RRT -.1323 RRF .0246 RTF .8670 CRT .8828 CRS -.9939 CST -.9226
 FDE .8272 FRA -.0754 FC3-1.9585 BSP 13836 SGB 4413.0 R23 -.1409 R13 -.8670 LSA 1794.5 MSA 220.6 SSA 13.1
 BDE 1.2720 BRA 1.8376 BC3 3.6569 FSP -580 SGI 4405.9 SG2 249.8 TMA 179.56 ELI 1723.4 EL2 103.0 ALF 6.51

LAUNCH DATE DEC 27 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 442.729

RL 147.12 LAL .00 LOL 95.03 VL 27.194 GAL -4.96 AZL 85.47 MCA 219.51 SMA 124.66 ECC .19927 INC 4.5326 V1 30.282
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.038 GAP 8.95 AZP 93.50 TAL 200.76 TAP 60.27 RCA 99.82 APO 149.50 V2 34.785
 RC 157.067 GL 28.19 GP -10.21 ZAL 120.32 ZAP 160.09 ETS 329.30 ZAE 129.62 ETE 188.75 ZAC 70.12 ETC 159.81 CLP-162.81

PLANETOCENTRIC CONIC

C3 20.542 VHL 4.532 DLA 14.98 RAL 322.27 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 6.143 OPA -23.49 RAP 338.72 ECC 1.3381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 30 57 2705.93 -27.68 74.99 189.33 96.20 1 16 3 2105.9 -26.54 66.51
 90.00 16 26 36 4379.63 5.80 182.03 182.93 62.24 17 39 35 3779.6 2.04 175.37
 100.00 2 0 24 2417.43 -29.00 53.59 189.14 97.59 2 40 42 1817.4 -27.64 45.05
 100.00 17 39 49 4143.36 6.97 164.03 182.29 60.86 18 48 53 3543.4 3.03 157.46
 110.00 3 26 46 2147.23 -32.45 32.40 188.47 101.39 4 2 33 1547.2 -30.54 23.70
 110.00 18 29 57 3986.32 9.97 150.30 180.47 57.13 19 36 24 3386.3 5.57 145.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2725 TRA-1.7302 TC3-3.8923 BAU 1.0696 SGT 4490.3 SGR 266.0 SG3 177.6 ST 1749.3 SR 231.2 SS 539.0
 RDE .1827 RRA .0220 RC3 .1421 FAU .04680 RRT -.1237 RRF .0062 RTF .8659 CRT .9033 CRS -.9966 CST -.9241
 FDE .8023 FRA -.0178 FC3-1.9725 BSP 14125 SGB 4498.1 R23 -.1146 R13 -.8658 LSA 1832.1 MSA 217.9 SSA 14.2
 BDE 1.2855 BRA 1.7303 BC3 3.8949 FSP -572 SGI 4490.4 SG2 264.0 TMA 179.58 ELI 1761.8 EL2 98.5 ALF 6.83

LAUNCH DATE DEC 27 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 26 1966

Heliocentric Conic
 RL 147.12 LAL .00 LOL 95.03 VL 27.132 GAL -4.58 AZL 85.61 MCA 222.67 SMA 124.26 ECC .20003 INC 4.3938 V1 30.282
 RP 108.94 LAP -2.98 LOP 317.62 VP 36.993 GAP 9.13 AZP 93.23 TAL 198.96 TAP 61.63 RCA 99.41 APO 149.12 V2 34.786
 RC 159.265 GL 27.81 GP -9.43 ZAL 110.29 ZAP 161.24 ETS 329.99 ZAE 129.77 ETE 188.09 ZAC 71.99 ETC 160.83 CLP-163.70

Distance 448.465

Planetocentric Conic
 C3 19.724 VML 4.441 DLA 15.44 RAL 324.58 RAD 6567.8 VEL 11.879 PTH 2.11 VMP 6.229 OPA -21.94 RAP 340.66 ECC 1.3246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 35 57 2712.68 -27.73 75.48 191.09 95.96 1 21 9 2112.7 -26.62 66.99
 90.00 16 40 2 4353.51 4.97 180.56 184.72 62.09 17 52 36 3753.5 1.20 173.91
 100.00 2 5 45 2423.07 -29.05 54.00 190.92 97.38 2 46 8 1823.1 -27.72 45.45
 100.00 17 52 55 4118.35 6.14 162.64 184.08 60.69 19 1 33 3518.3 2.18 156.08
 110.00 3 32 49 2150.62 -32.49 32.65 190.26 101.25 4 8 40 1550.6 -30.60 23.95
 110.00 18 42 20 3963.56 9.12 149.07 182.26 56.91 19 48 23 3363.6 4.70 142.77

Differential Corrections
 TDE 1.2943 TRA-1.6161 TC3-4.1269 BAU 1.0890 SGT 4572.0 SGR 280.2 SG3 174.9 ST 1794.8 SR 242.1 SS 543.1
 RDE .1876 RRA .0103 RC3 .1580 FAU .04501 RRT -.1096 RRF -.0031 RTF .8652 CRT .9228 CRS -.9976 CST -.9268
 FDE .7810 FRA .0373 FC3-1.9756 BSP 14406 SGB 4580.6 R23 -.0926 R13 -.8652 LSA 1878.6 MSA 213.8 SSA 15.3
 BDE 1.3078 BRA 1.6161 BC3 4.1299 FSP -564 SG1 4572.1 SG2 278.5 TMA 179.61 EL1 1808.7 EL2 92.6 ALF 7.11

Mid-Course Execution Accuracy
 Orbit Determination Accuracy

LAUNCH DATE DEC 27 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 28 1966

Heliocentric Conic
 RL 147.12 LAL .00 LOL 95.03 VL 27.070 GAL -4.20 AZL 85.73 MCA 225.83 SMA 123.88 ECC .20095 INC 4.2707 V1 30.282
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.950 GAP 9.32 AZP 92.98 TAL 197.16 TAP 62.99 RCA 98.98 APO 148.77 V2 34.788
 RC 161.449 GL 27.46 GP -8.76 ZAL 116.10 ZAP 162.31 ETS 330.51 ZAE 129.90 ETE 187.54 ZAC 73.93 ETC 161.74 CLP-164.57

Distance 454.192

Planetocentric Conic
 C3 19.006 VML 4.360 DLA 16.00 RAL 327.01 RAD 6567.8 VEL 11.849 PTH 2.10 VMP 6.321 OPA -20.47 RAP 342.64 ECC 1.3128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 22 2724.23 -27.81 76.31 193.09 95.55 1 25 47 2124.2 -26.75 67.81
 90.00 16 54 57 4324.40 4.04 178.93 186.70 61.95 18 7 2 3724.4 .26 172.29
 100.00 2 10 37 2433.22 -29.13 54.74 192.92 97.00 2 51 10 1833.2 -27.86 46.17
 100.00 18 7 24 4090.65 5.21 161.10 186.08 60.52 19 15 35 3490.6 1.25 154.56
 110.00 3 38 36 2157.92 -32.59 33.20 192.29 100.94 4 14 34 1557.9 -30.74 24.47
 110.00 18 55 54 3938.71 8.20 147.75 184.23 56.70 20 1 33 3338.7 3.76 141.47

Differential Corrections
 TDE 1.3268 TRA-1.4914 TC3-4.3504 BAU 1.1063 SGT 4646.2 SGR 294.3 SG3 171.9 ST 1851.5 SR 253.3 SS 550.2
 RDE .1927 RRA -.0008 RC3 .1719 FAU .04310 RRT -.0911 RRF -.0034 RTF .8641 CRT .9410 CRS -.9969 CST -.9305
 FDE .7650 FRA .0931 FC3-1.9631 BSP 14621 SGB 4655.5 R23 -.0759 R13 -.8641 LSA 1936.8 MSA 208.7 SSA 16.4
 BDE 1.3408 BRA 1.4914 BC3 4.3538 FSP -551 SG1 4646.3 SG2 293.1 TMA 179.67 EL1 1866.8 EL2 85.0 ALF 7.35

Mid-Course Execution Accuracy
 Orbit Determination Accuracy

LAUNCH DATE DEC 27 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 30 1966

Heliocentric Conic
 RL 147.12 LAL .00 LOL 95.03 VL 27.010 GAL -3.60 AZL 85.84 MCA 228.99 SMA 123.50 ECC .20205 INC 4.1601 V1 30.282
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.908 GAP 9.51 AZP 92.73 TAL 195.35 TAP 64.34 RCA 98.54 APO 148.45 V2 34.791
 RC 163.619 GL 27.13 GP -8.18 ZAL 113.74 ZAP 163.33 ETS 330.85 ZAE 130.02 ETE 187.06 ZAC 75.94 ETC 162.56 CLP-165.42

Distance 459.908

Planetocentric Conic
 C3 18.383 VML 4.288 DLA 16.65 RAL 329.55 RAD 6567.7 VEL 11.822 PTH 2.09 VMP 6.419 OPA -19.06 RAP 344.66 ECC 1.3025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 21 2740.23 -27.91 77.47 195.31 94.97 1 30 1 2140.2 -26.93 68.95
 90.00 17 11 18 4292.75 3.03 177.16 188.90 61.83 18 22 51 3692.7 -.76 170.53
 100.00 2 15 7 2447.51 -29.25 55.79 195.16 96.46 2 55 55 1847.5 -28.05 47.19
 100.00 18 23 13 4060.70 4.21 159.45 188.25 60.38 19 30 54 3460.7 .23 152.92
 110.00 3 44 12 2168.81 -32.75 34.02 194.56 100.47 4 20 21 1568.8 -30.94 25.26
 110.00 19 10 38 3912.17 7.20 146.33 186.40 56.49 20 15 50 3312.2 2.75 140.08

Differential Corrections
 TDE 1.3637 TRA-1.3619 TC3-4.5724 BAU 1.1246 SGT 4722.5 SGR 307.9 SG3 169.0 ST 1913.0 SR 264.4 SS 556.6
 RDE .1978 RRA -.0116 RC3 .1830 FAU .04133 RRT -.0706 RRF -.0011 RTF .8644 CRT .9567 CRS -.9946 CST -.9349
 FDE .7487 FRA .1440 FC3-1.9464 BSP 14890 SGB 4732.6 R23 -.0603 R13 -.8644 LSA 1999.6 MSA 202.2 SSA 17.5
 BDE 1.3780 BRA 1.3619 BC3 4.5760 FSP -544 SG1 4722.6 SG2 307.1 TMA 179.74 EL1 1929.7 EL2 76.3 ALF 7.55

Mid-Course Execution Accuracy
 Orbit Determination Accuracy

LAUNCH DATE DEC 27 1965

FLIGHT TIME 156.00

ARRIVAL DATE JUN 1 1966

Heliocentric Conic
 RL 147.12 LAL .00 LOL 95.03 VL 26.950 GAL -3.39 AZL 85.94 MCA 232.15 SMA 123.13 ECC .20333 INC 4.0596 V1 30.282
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.867 GAP 9.70 AZP 92.49 TAL 193.52 TAP 65.67 RCA 98.09 APO 148.16 V2 34.794
 RC 165.775 GL 26.79 GP -7.68 ZAL 111.24 ZAP 164.29 ETS 331.03 ZAE 130.14 ETE 186.65 ZAC 78.01 ETC 163.28 CLP-166.25

Distance 465.614

Planetocentric Conic
 C3 17.853 VML 4.225 DLA 17.37 RAL 332.23 RAD 6567.7 VEL 11.800 PTH 2.09 VMP 6.522 OPA -17.70 RAP 346.70 ECC 1.2938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 58 2760.43 -28.02 78.94 197.77 94.25 1 33 58 2160.4 -27.14 70.39
 90.00 17 29 3 4258.89 1.94 175.27 191.31 61.74 18 40 2 3658.9 -1.85 168.64
 100.00 2 19 21 2465.69 -29.38 57.13 197.63 95.77 3 0 27 1865.7 -28.27 48.50
 100.00 18 40 20 4028.86 3.13 157.69 190.65 60.26 19 47 29 3428.9 -.85 151.17
 110.00 3 49 42 2183.02 -32.90 35.09 197.07 99.86 4 26 5 1583.0 -31.19 26.29
 110.00 19 26 29 3884.30 6.15 144.86 188.78 56.31 20 31 13 3284.3 1.68 138.62

Differential Corrections
 TDE 1.4070 TRA-1.2243 TC3-4.7836 BAU 1.1427 SGT 4796.5 SGR 321.0 SG3 166.2 ST 1981.7 SR 275.6 SS 563.6
 RDE .2031 RRA -.0220 RC3 .1916 FAU .03959 RRT -.0485 RRF .0048 RTF .8652 CRT .9699 CRS -.9910 CST -.9397
 FDE .7342 FRA .1931 FC3-1.9198 BSP 15165 SGB 4807.3 R23 -.0471 R13 -.8651 LSA 2069.4 MSA 194.8 SSA 18.6
 BDE 1.4215 BRA 1.2243 BC3 4.7875 FSP -536 SG1 4796.6 SG2 320.6 TMA 179.81 EL1 1999.6 EL2 66.5 ALF 7.69

Mid-Course Execution Accuracy
 Orbit Determination Accuracy

LAUNCH DATE DEC 27 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 471.308

RL 147.12 LAL .00 LOL 95.03 VL 26.891 GAL -2.97 AZL 86.03 HCA 235.31 SMA 122.76 ECC .20480 INC 3.9674 V1 30.282
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.828 GAP 9.90 AZP 92.26 TAL 191.68 TAP 67.00 RCA 97.62 APO 147.91 V2 34.798
 RC 167.915 GL 26.44 GP -7.24 ZAL 108.58 ZAP 165.21 ETS 331.06 ZAE 130.26 ETE 186.30 ZAC 80.13 ETC 163.94 CLP-167.07

PLANETOCENTRIC CONIC

C3 17.415 VHL 4.173 DLA 18.14 RAL 335.04 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 6.630 OPA -16.39 RAP 348.76 ECC 1.2866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 17 2784.62 -28.13 80.70 200.46 93.37 1 37 41 2184.6 -27.37 72.12
 90.00 17 48 9 4223.17 .79 173.27 193.96 61.69 18 58 32 3623.2 -3.00 166.64
 100.00 2 23 24 2487.54 -29.52 58.73 200.35 94.93 3 4 52 1887.5 -28.52 50.07
 100.00 18 58 43 3995.48 2.00 153.86 193.28 60.17 20 5 18 3395.5 -1.98 149.34
 110.00 3 55 12 2200.31 -33.09 36.41 199.83 99.10 4 31 53 1600.3 -31.48 27.55
 110.00 19 43 24 3855.47 5.06 143.34 191.38 56.15 20 47 39 3255.5 .58 137.12

DIFFERENTIAL CORRECTIONS

TDE 1.4564 TRA-1.0777 TC3-4.9775 BAU 1.1598
 RDE .2086 RRA -.0316 RC3 .1975 FAU .03784
 FDE .7213 FRA .2405 FC3-1.8813 BSP 15428
 BDE 1.4713 BRA 1.0781 BC3 4.9815 FSP -529

MID-COURSE EXECUTION ACCURACY

SGT 4866.4 SGR 333.6 SG3 163.2
 RRT -.0253 RRF .0141 RTF .8663
 SGB 4877.8 R23 -.0362 R13 -.8663
 SG1 4866.4 SG2 333.5 TMA 179.90

ORBIT DETERMINATION ACCURACY

ST 2057.2 SR 286.8 SS 571.1
 CRT .9805 CR3 -.9863 CST -.9447
 LSA 2146.0 MSA 186.9 SSA 19.6
 EL1 2076.4 EL2 55.8 ALF 7.79

LAUNCH DATE DEC 27 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 476.990

RL 147.12 LAL .00 LOL 95.03 VL 26.832 GAL -2.54 AZL 86.12 HCA 238.48 SMA 122.41 ECC .20647 INC 3.8819 V1 30.282
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.790 GAP 10.11 AZP 92.03 TAL 189.84 TAP 68.32 RCA 97.14 APO 147.69 V2 34.803
 RC 170.040 GL 26.05 GP -6.85 ZAL 105.79 ZAP 166.09 ETS 330.94 ZAE 130.37 ZAC 82.28 ETC 164.52 CLP-167.87

PLANETOCENTRIC CONIC

C3 17.072 VHL 4.132 DLA 18.97 RAL 337.99 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 6.745 OPA -15.10 RAP 350.84 ECC 1.2810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 21 2812.65 -28.23 82.75 203.40 92.35 1 41 14 2212.7 -27.60 74.14
 90.00 18 8 36 4185.93 -.42 171.20 196.85 61.69 19 18 22 3585.9 -4.20 164.56
 100.00 2 27 19 2512.87 -29.65 60.61 203.31 93.96 3 9 12 1912.9 -28.79 51.91
 100.00 19 18 19 3960.95 .83 153.96 196.16 60.12 20 24 20 3360.9 -3.15 147.44
 110.00 4 0 46 2220.50 -33.30 37.95 202.85 98.22 4 37 46 1620.5 -31.81 29.04
 110.00 20 1 21 3826.08 3.94 141.80 194.22 56.02 21 5 7 3226.1 -.54 135.59

DIFFERENTIAL CORRECTIONS

TDE 1.5153 TRA -.9183 TC3-5.1420 BAU 1.1745
 RDE .2145 RRA -.0405 RC3 .2009 FAU .03599
 FDE .7124 FRA .2895 FC3-1.8253 BSP 15587
 BDE 1.5304 BRA .9192 BC3 5.1459 FSP -516

MID-COURSE EXECUTION ACCURACY

SGT 4927.9 SGR 345.8 SG3 160.0
 RRT -.0003 RRF .0285 RTF .8669
 SGB 4940.0 R23 -.0288 R13 -.8669
 SG1 4927.9 SG2 345.8 TMA 180.00

ORBIT DETERMINATION ACCURACY

ST 2143.6 SR 298.1 SS 581.1
 CRT .9887 CR3 -.9805 CST -.9499
 LSA 2233.6 MSA 179.0 SSA 20.6
 EL1 2163.7 EL2 44.4 ALF 7.83

LAUNCH DATE DEC 27 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 482.658

RL 147.12 LAL .00 LOL 95.03 VL 26.775 GAL -2.09 AZL 86.20 HCA 241.64 SMA 122.06 ECC .20836 INC 3.8020 V1 30.282
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.753 GAP 10.32 AZP 91.81 TAL 187.99 TAP 69.63 RCA 96.63 APO 147.50 V2 34.808
 RC 172.148 GL 25.63 GP -6.50 ZAL 102.86 ZAP 166.94 ETS 330.65 ZAE 130.49 ETE 185.72 ZAC 84.47 ETC 165.05 CLP-168.65

PLANETOCENTRIC CONIC

C3 16.826 VHL 4.102 DLA 19.82 RAL 341.07 RAD 6567.7 VEL 11.756 PTH 2.08 VHP 6.865 OPA -13.84 RAP 352.93 ECC 1.2769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 15 2844.35 -28.29 85.06 206.57 91.19 1 44 39 2244.3 -27.83 76.43
 90.00 18 30 19 4147.56 -1.65 169.06 200.00 61.73 19 39 26 3547.6 -5.42 162.40
 100.00 2 31 10 2541.46 -29.77 62.72 206.51 92.85 3 13 32 1941.5 -29.06 53.99
 100.00 19 39 4 3925.68 -.36 152.03 199.28 60.11 20 44 30 3325.7 -4.34 145.50
 110.00 4 6 28 2243.34 -33.51 39.70 206.13 97.20 4 43 51 1643.3 -32.15 30.73
 110.00 20 20 16 3796.56 2.82 140.25 197.29 55.92 21 23 33 3196.6 -1.67 134.05

DIFFERENTIAL CORRECTIONS

TDE 1.5747 TRA -.7531 TC3-5.2896 BAU 1.1907
 RDE .2208 RRA -.0486 RC3 .2011 FAU .03434
 FDE .7008 FRA .3344 FC3-1.7668 BSP 15837
 BDE 1.5902 BRA .7546 BC3 5.2934 FSP -509

MID-COURSE EXECUTION ACCURACY

SGT 4992.0 SGR 357.2 SG3 157.1
 RRT .0241 RRF .0415 RTF .8691
 SGB 5004.7 R23 .0204 R13 .8691
 SG1 4992.0 SG2 357.0 TMA .10

ORBIT DETERMINATION ACCURACY

ST 2228.8 SR 309.2 SS 587.9
 CRT .9939 CR3 -.9739 CST -.9547
 LSA 2319.3 MSA 170.9 SSA 21.6
 EL1 2249.9 EL2 33.7 ALF 7.85

LAUNCH DATE DEC 27 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 488.312

RL 147.12 LAL .00 LOL 95.03 VL 26.718 GAL -1.63 AZL 86.27 HCA 244.81 SMA 121.73 ECC .21048 INC 3.7268 V1 30.282
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.718 GAP 10.54 AZP 91.59 TAL 186.13 TAP 70.94 RCA 96.10 APO 147.35 V2 34.814
 RC 174.239 GL 25.15 GP -6.20 ZAL 99.81 ZAP 167.76 ETS 330.20 ZAE 130.61 ETE 185.49 ZAC 86.69 ETC 165.53 CLP-169.42

PLANETOCENTRIC CONIC

C3 16.683 VHL 4.084 DLA 20.70 RAL 344.29 RAD 6567.7 VEL 11.750 PTH 2.07 VHP 6.993 OPA -12.60 RAP 355.04 ECC 1.2746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 0 2879.55 -28.32 87.64 209.98 89.90 1 47 59 2279.6 -28.03 78.99
 90.00 18 53 16 4108.42 -2.91 166.87 203.40 61.82 20 1 44 3508.4 -6.66 160.19
 100.00 2 35 2 2573.11 -29.85 65.07 209.96 91.62 3 17 55 1973.1 -29.31 56.31
 100.00 20 0 55 3890.10 -1.57 150.08 202.65 60.15 21 5 45 3290.1 -5.53 143.53
 110.00 4 12 21 2268.61 -33.71 41.64 209.65 96.06 4 50 10 1668.6 -32.50 32.62
 110.00 20 40 4 3767.37 1.70 138.75 200.61 55.85 21 42 52 3167.4 -2.79 132.52

DIFFERENTIAL CORRECTIONS

TDE 1.6392 TRA -.5769 TC3-5.4011 BAU 1.2054
 RDE .2277 RRA -.0557 RC3 .1987 FAU .03262
 FDE .6909 FRA .3795 FC3-1.6927 BSP 16046
 BDE 1.6550 BRA .5796 BC3 5.4048 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 5050.0 SGR 367.9 SG3 154.0
 RRT .0488 RRF .0575 RTF .8709
 SGB 5063.4 R23 .0147 R13 .8709
 SG1 5050.0 SG2 367.5 TMA .20

ORBIT DETERMINATION ACCURACY

ST 2317.9 SR 320.5 SS 595.1
 CRT .9968 CR3 -.9667 CST -.9592
 LSA 2408.8 MSA 163.6 SSA 22.4
 EL1 2339.8 EL2 25.4 ALF 7.85

LAUNCH DATE DEC 27 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 11 1966

DISTANCE 493.950

HELIOCENTRIC CONIC
 RL 147.12 LAL .00 LOL 95.03 VL 26.663 GAL -1.15 AZL 86.34 HCA 247.97 SMA 121.39 ECC .21284 INC 3.6553 V1 30.282
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.684 GAP 10.78 AZP 91.37 TAL 184.27 TAP 72.24 RCA 95.56 APO 147.23 V2 34.821
 RC 176.312 GL 24.62 GP -5.93 ZAL 96.65 ZAP 168.55 ETS 329.56 ZAE 130.74 ETE 185.29 ZAC 88.94 ETC 165.96 CLP-170.18

PLANETOCENTRIC CONIC
 C3 16.648 VHL 4.080 DLA 21.57 RAL 347.65 RAD 6567.7 VEL 11.749 PTH 2.07 VHP 7.127 DPA -11.37 RAP 357.18 ECC 1.2740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 39 2918.05 -28.28 90.45 213.62 88.49 1 51 17 2318.0 -28.19 81.79
 90.00 19 17 20 4068.98 -4.18 164.66 207.06 61.97 20 25 9 3469.0 -7.90 157.96
 100.00 2 38 57 2607.54 -29.89 67.63 213.64 90.27 3 22 24 2007.5 -29.53 58.84
 100.00 20 23 43 3854.72 -2.77 148.13 206.28 60.22 21 27 58 3254.7 -6.71 141.57
 110.00 4 18 32 2296.00 -33.88 43.76 213.44 94.82 4 56 48 1696.0 -32.84 34.68
 110.00 21 0 38 3739.03 .62 137.25 204.16 55.82 22 2 57 3139.0 -3.87 131.04

DIFFERENTIAL CORRECTIONS
 TDE 1.7060 TRA -3.913 TC3-5.4797 BAU 1.2204 SGT 5107.2 SGR 377.9 SG3 151.1 ST 2405.9 SR 331.8 SS 600.5
 RDE .2354 RRA -.0618 RC3 .1931 FAU .03105 RRT .0738 RRF .0736 RTF .8739 CRT .9975 CRS -.9589 CST -.9633
 FDE .6804 FRA .4229 FC3-1.6145 BSP 16275 SGB 5121.2 R23 .0088 R13 .8739 LSA 2496.8 MSA 157.0 SSA 23.1
 BDE 1.7222 BRA .3961 BC3 5.4831 F8P -492 SGI 5107.3 SG2 376.8 THA .31 EL1 2428.6 EL2 23.3 ALF 7.83

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 27 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 13 1966

DISTANCE 499.570

HELIOCENTRIC CONIC
 RL 147.12 LAL .00 LOL 95.03 VL 26.608 GAL -.66 AZL 86.41 HCA 251.14 SMA 121.07 ECC .21547 INC 3.5869 V1 30.282
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.631 GAP 11.02 AZP 91.16 TAL 182.40 TAP 73.54 RCA 94.98 APO 147.16 V2 34.828
 RC 178.366 GL 24.01 GP -5.68 ZAL 93.40 ZAP 169.31 ETS 328.71 ZAE 130.86 ETE 185.12 ZAC 91.21 ETC 166.33 CLP-170.93

PLANETOCENTRIC CONIC
 C3 16.730 VHL 4.090 DLA 22.44 RAL 351.12 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 7.269 DPA -10.16 RAP 359.29 ECC 1.2753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 15 2959.59 -28.17 93.49 217.49 86.97 1 54 35 2359.6 -28.29 84.83
 90.00 19 42 26 4029.69 -5.43 162.45 210.98 62.17 20 49 35 3429.7 -9.12 155.71
 100.00 2 43 0 2644.44 -29.87 70.37 217.56 88.83 3 27 4 2044.4 -29.71 61.57
 100.00 20 47 22 3820.08 -3.94 146.23 210.16 60.34 21 51 2 3220.1 -7.86 139.63
 110.00 4 25 2 2325.20 -34.03 46.03 217.46 93.49 5 3 48 1725.2 -33.17 36.89
 110.00 21 21 49 3712.09 -4.41 135.84 207.96 55.82 22 23 41 3112.1 -4.89 129.63

DIFFERENTIAL CORRECTIONS
 TDE 1.7781 TRA -.1927 TC3-5.5086 BAU 1.2328 SGT 5157.1 SGR 387.2 SG3 148.0 ST 2495.9 SR 343.1 SS 606.1
 RDE .2440 RRA -.0668 RC3 .1851 FAU .02939 RRT .0995 RRF .0929 RTF .8767 CRT .9963 CRS -.9509 CST -.9671
 FDE .6716 FRA .4667 FC3-1.5210 BSP 16417 SGB 5171.6 R23 .0052 R13 .8767 LSA 2586.7 MSA 151.7 SSA 23.6
 BDE 1.7948 BRA .2039 BC3 5.5117 F8P -482 SGI 5157.3 SG2 385.3 THA .43 EL1 2519.2 EL2 29.2 ALF 7.80

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 27 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 15 1966

DISTANCE 505.170

HELIOCENTRIC CONIC
 RL 147.12 LAL .00 LOL 95.03 VL 26.554 GAL -.15 AZL 86.48 HCA 254.31 SMA 120.75 ECC .21838 INC 3.5211 V1 30.282
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.619 GAP 11.28 AZP 90.95 TAL 180.53 TAP 74.84 RCA 94.38 APO 147.12 V2 34.836
 RC 180.400 GL 23.34 GP -5.46 ZAL 90.07 ZAP 170.05 ETS 327.63 ZAE 130.99 ETE 184.96 ZAC 93.50 ETC 166.70 CLP-171.67

PLANETOCENTRIC CONIC
 C3 16.939 VHL 4.116 DLA 23.27 RAL 354.70 RAD 6567.7 VEL 11.761 PTH 2.08 VHP 7.419 DPA -8.96 RAP 359.43 ECC 1.2788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 53 3003.85 -27.97 96.71 221.55 85.37 1 57 56 2403.8 -28.32 88.06
 90.00 20 8 22 3991.14 -6.65 160.28 215.14 62.41 21 14 53 3391.1 -10.30 153.50
 100.00 2 47 16 2683.38 -29.78 73.27 221.68 87.31 3 31 59 2083.4 -29.84 64.46
 100.00 21 11 39 3786.84 -5.06 144.39 214.27 60.50 22 14 46 3186.8 -8.95 137.77
 110.00 4 31 58 2355.81 -34.13 48.41 221.71 92.08 5 11 14 1755.8 -33.46 39.24
 110.00 21 43 26 3687.18 -1.36 134.55 211.98 55.84 22 44 54 3087.2 -5.84 128.32

DIFFERENTIAL CORRECTIONS
 TDE 1.8412 TRA .0064 TC3-5.5146 BAU 1.2495 SGT 5213.0 SGR 395.2 SG3 144.9 ST 2566.8 SR 354.0 SS 603.0
 RDE .2532 RRA -.0709 RC3 .1736 FAU .02816 RRT .1233 RRF .1063 RTF .8831 CRT .9936 CRS -.9427 CST -.9703
 FDE .6551 FRA .5021 FC3-1.4394 BSP 16835 SGB 5228.0 R23 -.0032 R13 .8831 LSA 2656.2 MSA 146.7 SSA 23.8
 BDE 1.8586 BRA .0712 BC3 5.5173 F8P -490 SGI 5213.2 SG2 392.2 THA .54 EL1 2590.8 EL2 39.3 ALF 7.81

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 27 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 17 1966

DISTANCE 510.748

HELIOCENTRIC CONIC
 RL 147.12 LAL .00 LOL 95.03 VL 26.500 GAL .38 AZL 86.54 HCA 257.48 SMA 120.44 ECC .22160 INC 3.4572 V1 30.282
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.588 GAP 11.55 AZP 90.75 TAL 178.66 TAP 76.14 RCA 93.75 APO 147.13 V2 34.845
 RC 182.414 GL 22.60 GP -5.26 ZAL 86.69 ZAP 170.77 ETS 326.28 ZAE 131.11 ETE 184.83 ZAC 95.81 ETC 167.00 CLP-172.41

PLANETOCENTRIC CONIC
 C3 17.286 VHL 4.158 DLA 24.06 RAL 358.37 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 7.579 DPA -7.78 RAP 358.58 ECC 1.2845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 34 3050.50 -27.66 100.09 225.80 83.70 2 1 24 2450.5 -28.25 91.47
 90.00 20 34 58 3953.84 -7.82 158.16 219.54 62.70 21 40 52 3353.8 -11.42 151.33
 100.00 2 51 50 2723.96 -29.61 76.27 226.00 85.73 3 37 14 2124.0 -29.89 67.48
 100.00 21 36 23 3755.60 -6.10 142.66 218.61 60.68 22 38 59 3155.6 -9.96 136.00
 110.00 4 39 24 2387.46 -34.18 50.89 226.17 90.62 5 19 11 1787.5 -33.72 41.67
 110.00 22 5 19 3664.88 -2.21 133.38 216.20 55.88 23 6 24 3064.9 -6.68 127.14

DIFFERENTIAL CORRECTIONS
 TDE 1.9192 TRA .2351 TC3-5.4306 BAU 1.2555 SGT 5245.2 SGR 403.7 SG3 141.6 ST 2650.5 SR 365.8 SS 611.7
 RDE .2643 RRA -.0729 RC3 .1623 FAU .02608 RRT .1487 RRF .1346 RTF .8816 CRT .9896 CRS -.9341 CST -.9732
 FDE .6525 FRA .5336 FC3-1.3062 BSP 16766 SGB 5260.7 R23 .0028 R13 .8816 LSA 2740.6 MSA 146.2 SSA 23.8
 BDE 1.9373 BRA .2462 BC3 5.4330 F8P -462 SGI 5245.6 SG2 399.2 THA .66 EL1 2675.1 EL2 52.2 ALF 7.78

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 27 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 516.302

RL 147.12 LAL .00 LOL 95.03 VL 26.448 GAL .93 AZL 86.61 HCA 260.65 SMA 120.14 ECC .22514 INC 3.3948 V1 30.282
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.559 GAP 11.83 AZP 90.55 TAL 176.79 TAP 77.44 RCA 93.09 APO 147.19 V2 34.854
 RC 184.407 GL 21.80 GP -5.08 ZAL 83.28 ZAP 171.47 ETS 324.61 ZAE 131.24 ETE 184.72 ZAC 98.13 ETC 167.27 CLP-173.14

PLANETOCENTRIC CONIC

C3 17.784 VHL 4.217 OLA 24.79 RAL 2.11 RAD 6567.7 VEL 11.797 PTH 2.09 VMP 7.749 DPA -6.61 RAP 5.74 ECC 1.2927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 24 3098.99 -27.25 103.58 230.20 82.00 2 5 3 2499.0 -28.08 95.01
 90.00 21 1 59 3918.52 -8.92 156.15 224.15 63.01 22 7 17 3318.5 -12.47 149.27
 100.00 2 56 49 2765.55 -29.36 79.34 230.49 84.14 3 42 55 2165.6 -29.87 70.57
 100.00 22 1 15 3727.20 -7.04 141.08 223.14 60.87 23 3 22 3127.2 -10.87 134.39
 110.00 4 47 23 2419.63 -34.17 53.40 230.82 89.13 5 27 43 1819.6 -33.92 44.16
 110.00 22 27 10 3645.88 -2.94 132.39 220.61 55.93 23 27 56 3045.9 -7.39 126.13

DIFFERENTIAL CORRECTIONS

TOE 1.9850 TRA .4637 TC3-5.3302 BAU 1.2678
 ROE .2760 RRA -.0740 RC3 .1475 FAU .02472
 FDE .6389 FRA .5936 FC3-1.2033 BSP 16978
 BDE 2.0041 BRA .4696 BC3 5.3323 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 5288.2 SGR 410.4 SG3 138.6
 RRT .1730 RRF .1533 RTF .8866
 SGB 5304.1 R23 -.0010 R13 .8866
 SGI 5288.7 SG2 404.1 TMA .77

ORBIT DETERMINATION ACCURACY

ST 2708.3 SR 376.5 SS 608.3
 CRT .9846 CRS -.9254 CST -.9756
 LSA 2797.4 MSA 145.5 SSA 23.5
 EL1 2733.6 EL2 65.3 ALF 7.80

LAUNCH DATE DEC 27 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 521.828

RL 147.12 LAL .00 LOL 95.03 VL 26.396 GAL 1.51 AZL 86.67 HCA 263.83 SMA 119.84 ECC .22905 INC 3.3335 V1 30.282
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.531 GAP 12.14 AZP 90.36 TAL 174.92 TAP 78.75 RCA 92.39 APO 147.29 V2 34.863
 RC 186.379 GL 20.93 GP -4.92 ZAL 79.85 ZAP 172.14 ETS 322.54 ZAE 131.37 ETE 184.62 ZAC 100.47 ETC 167.51 CLP-173.86

PLANETOCENTRIC CONIC

C3 18.450 VHL 4.295 OLA 25.44 RAL 5.90 RAD 6567.7 VEL 11.825 PTH 2.09 VMP 7.930 DPA -5.44 RAP 7.91 ECC 1.3036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 29 3148.78 -26.73 107.13 234.73 80.29 2 8 58 2548.8 -27.80 98.63
 90.00 21 29 6 3885.91 -9.92 154.28 228.94 63.34 22 33 52 3285.9 -13.42 147.35
 100.00 3 2 20 2807.52 -29.03 82.41 235.13 82.55 3 49 8 2207.5 -29.76 73.68
 100.00 22 25 56 3702.39 -7.86 139.70 227.84 61.07 23 27 39 3102.4 -11.66 132.97
 110.00 4 56 0 2451.90 -34.11 55.92 235.64 87.64 5 36 52 1851.9 -34.06 46.67
 110.00 22 48 46 3630.78 -3.52 131.60 225.17 55.98 23 49 17 3030.8 -7.96 125.33

DIFFERENTIAL CORRECTIONS

TOE 2.0537 TRA .7104 TC3-5.1879 BAU 1.2751
 ROE .2892 RRA -.0738 RC3 .1321 FAU .02315
 FDE .6287 FRA .6371 FC3-1.0863 BSP 17052
 BDE 2.0740 BRA .7142 BC3 5.1896 FSP -445

MID-COURSE EXECUTION ACCURACY

SGT 5321.2 SGR 416.5 SG3 135.5
 RRT .1980 RRF .1765 RTF .8900
 SGB 5337.5 R23 -.0008 R13 .8900
 SGI 5321.9 SG2 408.2 TMA .89

ORBIT DETERMINATION ACCURACY

ST 2760.7 SR 387.1 SS 606.6
 CRT .9787 CRS -.9167 CST -.9779
 LSA 2849.1 MSA 147.0 SSA 22.9
 EL1 2786.6 EL2 78.7 ALF 7.82

LAUNCH DATE DEC 27 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 527.322

RL 147.12 LAL .00 LOL 95.03 VL 26.345 GAL 2.10 AZL 86.73 HCA 267.00 SMA 119.55 ECC .23334 INC 3.2730 V1 30.282
 RP 108.67 LAP -3.27 LOP 356.50 VP 36.504 GAP 12.46 AZP 90.17 TAL 173.05 TAP 80.06 RCA 91.66 APO 147.45 V2 34.873
 RC 188.330 GL 20.01 GP -4.77 ZAL 76.44 ZAP 172.78 ETS 320.01 ZAE 131.50 ETE 184.53 ZAC 102.82 ETC 167.70 CLP-174.58

PLANETOCENTRIC CONIC

C3 19.302 VHL 4.393 OLA 26.01 RAL 9.70 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 8.124 DPA -4.29 RAP 10.08 ECC 1.3177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 59 3199.07 -26.10 110.68 239.37 78.62 2 13 18 2599.1 -27.41 102.25
 90.00 21 55 58 3856.89 -10.80 152.60 233.88 63.67 23 0 15 3256.9 -14.26 145.62
 100.00 3 8 32 2849.10 -28.63 85.44 239.88 81.01 3 56 1 2249.1 -29.57 76.76
 100.00 22 50 6 3682.08 -8.53 138.56 232.68 61.24 23 51 28 3082.1 -12.30 131.80
 110.00 5 5 18 2483.77 -33.99 58.40 240.58 86.18 5 46 42 1883.8 -34.15 49.16
 110.00 23 9 49 3620.18 -3.92 131.04 229.85 56.02 24 10 10 3020.2 -8.35 124.76

DIFFERENTIAL CORRECTIONS

TOE 2.1144 TRA .9663 TC3-4.9723 BAU 1.2835
 ROE .3034 RRA -.0717 RC3 .1157 FAU .02174
 FDE .6156 FRA .6789 FC3 -.9753 BSP 17208
 BDE 2.1360 BRA .9689 BC3 4.9737 FSP -437

MID-COURSE EXECUTION ACCURACY

SGT 5353.4 SGR 421.5 SG3 132.4
 RRT .2220 RRF .1982 RTF .8944
 SGB 5370.0 R23 -.0015 R13 .8944
 SGI 5354.2 SG2 411.0 TMA 1.01

ORBIT DETERMINATION ACCURACY

ST 2792.4 SR 396.9 SS 600.7
 CRT .9722 CRS -.9077 CST -.9797
 LSA 2879.7 MSA 150.0 SSA 22.1
 EL1 2818.9 EL2 92.1 ALF 7.88

LAUNCH DATE DEC 27 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 532.779

RL 147.12 LAL .00 LOL 95.03 VL 26.295 GAL 2.73 AZL 86.79 HCA 270.18 SMA 119.27 ECC .23805 INC 3.2127 V1 30.282
 RP 108.63 LAP -3.21 LOP 356.478 VP 36.478 GAP 12.88 AZP 89.99 TAL 171.20 TAP 81.38 RCA 90.88 APO 147.66 V2 34.884
 RC 190.259 GL 19.04 GP -4.64 ZAL 73.06 ZAP 173.40 ETS 316.88 ZAE 131.62 ETE 184.45 ZAC 105.17 ETC 167.86 CLP-175.30

PLANETOCENTRIC CONIC

C3 20.365 VHL 4.513 OLA 26.50 RAL 13.50 RAD 6567.8 VEL 11.906 PTH 2.12 VMP 8.331 DPA -3.15 RAP 12.26 ECC 1.3351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 24 6 3248.92 -25.39 114.15 244.08 77.02 2 18 15 2648.9 -26.92 105.82
 90.00 22 22 9 3832.49 -11.54 151.18 238.92 63.96 23 26 1 3232.5 -14.95 144.16
 100.00 3 15 35 2889.50 -28.16 88.35 244.73 79.54 4 3 45 2289.5 -29.32 79.74
 100.00 23 13 20 3667.15 -9.02 137.72 237.60 61.38 24 14 28 3067.1 -12.77 130.94
 110.00 5 15 20 2514.82 -33.83 60.81 245.64 84.76 5 57 15 1914.8 -34.18 51.58
 110.00 23 30 5 3614.59 -4.13 130.75 234.61 56.04 24 30 20 3014.6 -8.56 124.46

DIFFERENTIAL CORRECTIONS

TOE 2.1700 TRA 1.2361 TC3-4.7380 BAU 1.2902
 ROE .3188 RRA -.0681 RC3 .0992 FAU .02036
 FDE .6020 FRA .7213 FC3 -.8655 BSP 17350
 BDE 2.1933 BRA 1.2380 BC3 4.7390 FSP -430

MID-COURSE EXECUTION ACCURACY

SGT 5380.7 SGR 425.7 SG3 129.4
 RRT .2457 RRF .2205 RTF .8988
 SGB 5397.5 R23 -.0017 R13 .8988
 SGI 5381.7 SG2 412.5 TMA 1.12

ORBIT DETERMINATION ACCURACY

ST 2807.9 SR 405.8 SS 593.2
 CRT .9650 CRS -.8984 CST -.9813
 LSA 2894.2 MSA 154.4 SSA 21.1
 EL1 2835.1 EL2 105.4 ALF 7.95

LAUNCH DATE DEC 27 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 538.195

RL 147.12 LAL .00 LOL 95.03 VL 26.246 GAL 3.38 AZL 86.85 MCA 273.36 SMA 118.99 ECC .24324 INC 3.1524 V1 30.282
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.453 GAP 13.17 AZP 89.81 TAL 169.35 TAP 82.71 RCA 90.05 APO 147.94 V2 34.895
 RC 192.167 GL 18.03 GP -4.51 ZAL 69.74 ZAP 173.98 ETS 313.03 ZAE 131.74 ETE 184.39 ZAC 107.53 ETC 167.99 CLP-176.01

PLANETOCENTRIC CONIC

C3 21.663 VHL 4.654 DLA 26.88 RAL 17.26 RAD 6567.9 VEL 11.960 PTH 2.13 VHP 8.554 DPA -2.02 RAP 14.45 ECC 1.3565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 29 6 3297.11 -24.61 117.47 248.85 75.53 2 24 3 2697.1 -26.36 109.24
 90.00 22 47 8 3813.98 -12.09 150.10 244.03 64.20 23 50 42 3214.0 -15.46 143.05
 100.00 3 23 38 2927.86 -27.66 91.09 249.65 78.19 4 12 26 3237.9 -29.01 82.55
 100.00 23 35 16 3658.46 -9.30 137.23 242.57 61.46 24 36 15 3058.5 -13.04 130.44
 110.00 5 26 5 2544.71 -33.62 63.12 250.77 83.41 6 8 30 1944.7 -34.16 53.92
 110.00 23 49 19 3614.37 -4.14 130.74 239.42 56.04 24 49 33 3014.4 -8.57 124.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2202 TRA 1.5207 TC3-4.4712 BAU 1.2951 SGT 5403.5 SGR 428.8 SG3 126.4 ST 2807.5 SR 413.6 SS 584.4
 RDE .3353 RRA -.0629 RC3 .0832 FAU .01900 RRT .2692 RRF .2433 RTF .9031 CRT .9572 CRS -.8887 CST -.9826
 FDE .5883 FRA .7650 FC3 -.7593 BSP 17473 SGB 5420.5 R23 -.0013 R13 .9031 LSA 2892.9 MSA 160.1 SSA 20.1
 BDE 2.2454 BRA 1.5220 BC3 4.4720 FSP -421 SGI 5404.8 SG2 412.9 THA 1.23 EL1 2835.4 EL2 118.5 ALF 8.04

LAUNCH DATE DEC 27 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 543.564

RL 147.12 LAL .00 LOL 95.03 VL 26.197 GAL 4.07 AZL 86.91 MCA 276.54 SMA 118.72 ECC .24893 INC 3.0917 V1 30.282
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.429 GAP 13.57 AZP 89.65 TAL 167.51 TAP 84.05 RCA 89.17 APO 148.28 V2 34.906
 RC 194.054 GL 17.00 GP -4.40 ZAL 66.50 ZAP 174.52 ETS 308.28 ZAE 131.86 ETE 184.33 ZAC 109.89 ETC 168.08 CLP-176.73

PLANETOCENTRIC CONIC

C3 23.229 VHL 4.820 DLA 27.17 RAL 20.95 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 8.794 DPA -.91 RAP 16.64 ECC 1.3823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 24 3342.06 -23.81 120.52 253.67 74.20 2 31 6 2742.1 -25.75 112.39
 90.00 23 10 19 3802.89 -12.42 149.45 249.14 64.35 24 13 42 3202.9 -15.77 142.38
 100.00 3 32 52 2963.40 -27.14 93.60 234.62 76.96 4 22 15 2363.4 -28.66 85.13
 100.00 23 55 32 3656.79 -9.36 137.13 247.55 61.48 24 56 29 3056.8 -13.09 130.34
 110.00 5 37 34 2573.16 -33.37 65.30 255.95 82.14 6 20 27 1973.2 -34.10 56.14
 110.00 0 11 15 3619.79 -3.93 131.02 244.24 56.02 1 11 35 3019.8 -8.37 124.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2672 TRA 1.8237 TC3-4.1745 BAU 1.2965 SGT 5421.7 SGR 431.1 SG3 123.5 ST 2795.3 SR 420.1 SS 575.5
 RDE .3529 RRA -.0558 RC3 .0680 FAU .01763 RRT .2931 RRF .2672 RTF .9076 CRT .9487 CRS -.8787 CST -.9840
 FDE .5794 FRA .8104 FC3 -.6570 BSP 17516 SGB 5438.8 R23 -.0003 R13 .9076 LSA 2879.8 MSA 166.7 SSA 19.1
 BDE 2.2945 BRA 1.8245 BC3 4.1751 FSP -411 SGI 5423.2 SG2 412.1 THA 1.34 EL1 2823.6 EL2 131.5 ALF 8.13

LAUNCH DATE DEC 27 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 548.877

RL 147.12 LAL .00 LOL 95.03 VL 26.150 GAL 4.79 AZL 86.97 MCA 279.73 SMA 118.46 ECC .25519 INC 3.0301 V1 30.282
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.405 GAP 14.00 AZP 89.49 TAL 165.69 TAP 85.41 RCA 88.23 APO 148.69 V2 34.918
 RC 195.918 GL 15.96 GP -4.30 ZAL 63.35 ZAP 175.01 ETS 302.43 ZAE 131.97 ETE 184.28 ZAC 112.25 ETC 168.13 CLP-177.46

PLANETOCENTRIC CONIC

C3 25.101 VHL 5.010 DLA 27.37 RAL 24.56 RAD 6568.0 VEL 12.103 PTH 2.17 VHP 9.053 DPA .19 RAP 18.84 ECC 1.4131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 27 3381.96 -23.04 123.19 258.53 73.07 2 39 49 2782.0 -25.15 115.15
 90.00 23 31 1 3801.01 -12.47 149.34 254.21 64.37 24 34 22 3201.0 -15.82 142.27
 100.00 3 43 21 2995.47 -26.63 95.85 259.63 75.88 4 33 16 2395.5 -28.30 87.45
 100.00 0 17 44 3662.73 -9.16 137.47 252.49 61.42 1 18 47 3062.7 -12.91 130.68
 110.00 5 49 42 2600.04 -33.10 67.35 261.16 80.95 6 33 2 2000.0 -34.00 58.23
 110.00 0 27 52 3630.92 -3.51 131.61 249.03 55.98 1 28 23 3030.9 -7.95 125.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3044 TRA 2.1398 TC3-3.8665 BAU 1.2976 SGT 5435.9 SGR 432.3 SG3 120.5 ST 2764.4 SR 425.0 SS 564.6
 RDE .3713 RRA -.0471 RC3 .0539 FAU .01635 RRT .3160 RRF .2902 RTF .9123 CRT .9395 CRS -.8681 CST -.9851
 FDE .5609 FRA .8559 FC3 -.5641 BSP 17629 SGB 5453.0 R23 .0003 R13 .9123 LSA 2848.0 MSA 174.0 SSA 18.1
 BDE 2.3341 BRA 2.1404 BC3 3.8669 FSP -403 SGI 5437.6 SG2 410.0 THA 1.45 EL1 2793.2 EL2 144.1 ALF 8.24

LAUNCH DATE DEC 27 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 554.125

RL 147.12 LAL .00 LOL 95.03 VL 26.103 GAL 5.55 AZL 87.03 MCA 282.91 SMA 118.20 ECC .26207 INC 2.9673 V1 30.282
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.383 GAP 14.46 AZP 89.34 TAL 163.88 TAP 86.79 RCA 87.22 APO 149.18 V2 34.930
 RC 197.761 GL 14.91 GP -4.20 ZAL 60.30 ZAP 175.42 ETS 295.27 ZAE 132.07 ETE 184.23 ZAC 114.61 ETC 168.15 CLP-178.18

PLANETOCENTRIC CONIC

C3 27.324 VHL 5.227 DLA 27.47 RAL 28.05 RAD 6568.1 VEL 12.194 PTH 2.19 VHP 9.333 DPA 1.27 RAP 21.04 ECC 1.4497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 43 3415.07 -22.37 125.39 263.44 72.17 2 50 38 2815.1 -24.60 117.43
 90.00 23 48 37 3809.93 -12.21 149.87 259.19 64.25 24 52 7 3209.9 -15.57 142.81
 100.00 3 55 8 3023.70 -26.14 97.81 264.65 74.96 4 45 31 2423.7 -27.95 89.47
 100.00 0 33 50 3676.53 -8.71 138.25 257.36 61.29 1 35 6 3076.5 -12.48 131.48
 110.00 6 2 26 2625.33 -32.82 69.27 266.37 79.85 6 46 11 2025.3 -33.87 60.19
 110.00 0 43 1 3647.67 -2.87 132.48 253.78 55.92 1 43 49 3047.7 -7.32 126.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3361 TRA 2.4738 TC3-3.5480 BAU 1.2962 SGT 5445.8 SGR 432.5 SG3 117.7 ST 2722.1 SR 428.1 SS 553.6
 RDE .3904 RRA -.0365 RC3 .0412 FAU .01512 RRT .3389 RRF .3134 RTF .9172 CRT .9294 CRS -.8570 CST -.9862
 FDE .5467 FRA .9029 FC3 -.4791 BSP 17717 SGB 5462.9 R23 .0009 R13 .9172 LSA 2804.7 MSA 181.8 SSA 17.1
 BDE 2.3685 BRA 2.4741 BC3 3.5482 FSP -395 SGI 5447.7 SG2 406.7 THA 1.55 EL1 2751.1 EL2 156.3 ALF 8.34

LAUNCH DATE DEC 27 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 26.057 GAL 6.36 AZL 87.10 MCA 286.10 SMA 117.95 ECC .26964 INC 2.9029 V1 30.282
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.362 GAP 14.96 AZP 89.19 TAL 162.10 TAP 88.20 RCA 86.14 APO 149.75 V2 34.942
 RC 199.580 GL 13.86 GP -4.12 ZAL 57.38 ZAP 175.74 ETS 286.70 ZAE 132.16 ETE 184.19 ZAC 116.96 ETC 168.12 CLP-178.92

PLANETOCENTRIC CONIC

C3 29.955 VHL 5.473 OLA 27.50 RAL 31.41 RAD 6568.2 VEL 12.302 PTH 2.22 VHP 9.638 OPA 2.33 RAP 23.25 ECC 1.4930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 24 3440.46 -21.83 127.05 268.39 71.51 3 3 44 2840.5 -24.16 119.15
 90.00 0 6 42 3830.45 -11.60 151.06 264.02 63.99 1 10 33 3230.5 -15.00 144.04
 100.00 4 8 7 3048.07 -25.70 99.48 269.69 74.18 4 58 55 2448.1 -27.62 91.21
 100.00 0 47 40 3698.07 -8.01 139.45 262.13 61.10 1 49 18 3098.1 -11.80 132.72
 110.00 6 15 36 2649.12 -32.52 71.06 271.56 78.83 6 59 45 2049.1 -33.72 62.03
 110.00 0 56 40 3669.79 -2.03 133.64 258.45 55.87 1 57 50 3069.8 -6.49 127.40

DIFFERENTIAL CORRECTIONS

TOE 2.3657 TRA 2.8315 TC3-3.2198 BAU 1.2895
 ROE .4103 RRA -.0239 RC3 .0303 FAU .01386
 FDE .5340 FRA .9533 FC3 -.4005 BSP 17701
 BOE 2.4010 BRA 2.8316 BC3 3.2199 FSP -385

MID-COURSE EXECUTION ACCURACY

SGT 5451.7 SGR 431.7 SG3 115.0
 RRT .3622 RRF .3374 RTF .9221
 SGB 5468.8 R23 .0017 R13 .9221
 SG1 5454.0 SG2 402.2 TMA 1.65

ORBIT DETERMINATION ACCURACY

ST 2673.9 SR 429.6 SS 543.9
 CRT .9186 CRS -.8455 CST -.9873
 LSA 2755.6 MSA 189.7 SSA 16.2
 EL1 2702.9 EL2 168.0 ALF 8.43

LAUNCH DATE DEC 27 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 26.011 GAL 7.22 AZL 87.16 MCA 289.29 SMA 117.70 ECC .27800 INC 2.8363 V1 30.282
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.342 GAP 15.51 AZP 89.06 TAL 160.35 TAP 89.64 RCA 84.98 APO 150.42 V2 34.955
 RC 201.376 GL 12.83 GP -4.04 ZAL 54.59 ZAP 175.95 ETS 276.81 ZAE 132.24 ETE 184.16 ZAC 119.31 ETC 168.06 CLP-179.67

PLANETOCENTRIC CONIC

C3 33.059 VHL 5.750 OLA 27.44 RAL 34.63 RAD 6568.3 VEL 12.427 PTH 2.25 VHP 9.970 OPA 3.37 RAP 25.45 ECC 1.5441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 18 3458.47 -21.44 128.23 273.37 71.04 3 18 56 2858.5 -23.83 120.37
 90.00 0 17 29 3862.02 -10.65 152.90 268.69 63.61 1 21 51 3262.0 -14.11 145.93
 100.00 4 22 9 3068.88 -25.31 100.90 274.71 73.53 5 13 18 2468.9 -27.32 92.68
 100.00 0 59 19 3726.84 -7.06 141.06 266.77 60.88 2 1 26 3126.8 -10.89 134.37
 110.00 6 29 7 2671.57 -32.21 72.74 276.72 77.88 7 13 38 2071.6 -33.54 63.76
 110.00 1 8 51 3696.92 -.99 135.05 263.03 55.83 2 10 27 3096.9 -5.47 128.83

DIFFERENTIAL CORRECTIONS

TOE 2.3858 TRA 3.2053 TC3-2.9025 BAU 1.2828
 ROE .4304 RRA -.0095 RC3 .0209 FAU .01270
 FDE .5202 FRA 1.0044 FC3 -.3327 BSP 17790
 BOE 2.4243 BRA 3.2053 BC3 2.9025 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 5453.8 SGR 429.7 SG3 112.2
 RRT .3845 RRF .3602 RTF .9272
 SGB 5470.8 R23 .0020 R13 .9272
 SG1 5456.4 SG2 396.5 TMA 1.74

ORBIT DETERMINATION ACCURACY

ST 2613.0 SR 428.9 SS 533.3
 CRT .9066 CRS -.8331 CST -.9883
 LSA 2693.9 MSA 197.5 SSA 15.3
 EL1 2641.9 EL2 179.0 ALF 8.50

LAUNCH DATE DEC 27 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.967 GAL 8.13 AZL 87.23 MCA 292.48 SMA 117.46 ECC .28722 INC 2.7669 V1 30.282
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.323 GAP 16.11 AZP 88.94 TAL 158.63 TAP 91.11 RCA 83.72 APO 151.20 V2 34.968
 RC 203.147 GL 11.82 GP -3.97 ZAL 51.93 ZAP 176.01 ETS 266.02 ZAE 132.30 ETE 184.12 ZAC 121.64 ETC 167.95 CLP 179.57

PLANETOCENTRIC CONIC

C3 36.719 VHL 6.060 OLA 27.31 RAL 37.69 RAD 6568.4 VEL 12.573 PTH 2.28 VHP 10.333 OPA 4.39 RAP 27.66 ECC 1.6043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 51 3470.67 -21.17 129.02 278.36 70.74 3 35 41 2870.7 -23.60 121.19
 90.00 0 25 21 3902.84 -9.40 155.25 273.18 63.17 1 30 24 3302.8 -12.93 148.35
 100.00 4 36 57 3086.72 -24.96 102.11 279.71 72.99 5 28 23 2486.7 -27.05 93.94
 100.00 1 8 56 3762.02 -5.89 143.02 271.29 60.64 2 11 38 3162.0 -9.75 136.37
 110.00 6 42 47 2692.91 -31.89 74.33 281.82 76.99 7 27 40 2092.9 -33.35 65.40
 110.00 1 19 35 3728.60 .22 136.71 267.51 55.82 2 21 43 3128.6 -4.26 130.49

DIFFERENTIAL CORRECTIONS

TOE 2.4028 TRA 3.6019 TC3-2.5894 BAU 1.2711
 ROE .4509 RRA .0068 RC3 .0132 FAU .01157
 FDE .5075 FRA 1.0386 FC3 -.2728 BSP 17857
 BOE 2.4447 BRA 3.6019 BC3 2.5894 FSP -370

MID-COURSE EXECUTION ACCURACY

SGT 5449.9 SGR 426.7 SG3 109.6
 RRT .4068 RRF .3832 RTF .9325
 SGB 5466.6 R23 .0021 R13 .9325
 SG1 5452.7 SG2 389.6 TMA 1.83

ORBIT DETERMINATION ACCURACY

ST 2548.1 SR 426.3 SS 524.1
 CRT .8938 CRS -.8203 CST -.9893
 LSA 2628.1 MSA 204.9 SSA 14.5
 EL1 2576.6 EL2 189.0 ALF 8.55

LAUNCH DATE DEC 27 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.924 GAL 9.11 AZL 87.31 MCA 295.68 SMA 117.23 ECC .29743 INC 2.6943 V1 30.282
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.304 GAP 16.76 AZP 88.83 TAL 156.95 TAP 92.63 RCA 82.36 APO 152.09 V2 34.981
 RC 204.893 GL 10.83 GP -3.90 ZAL 49.42 ZAP 175.91 ETS 255.08 ZAE 132.34 ETE 184.09 ZAC 123.96 ETC 167.79 CLP 178.79

PLANETOCENTRIC CONIC

C3 41.035 VHL 6.406 OLA 27.12 RAL 40.59 RAD 6568.6 VEL 12.744 PTH 2.32 VHP 10.732 OPA 5.39 RAP 29.86 ECC 1.6753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 22 3479.01 -20.98 129.56 283.33 70.53 3 53 21 2879.0 -23.44 121.75
 90.00 0 30 56 3950.87 -7.92 157.98 277.52 62.73 1 36 47 3350.7 -11.52 151.15
 100.00 4 52 14 3102.25 -24.64 103.16 284.65 72.52 5 43 56 2502.3 -26.80 95.03
 100.00 1 16 45 3802.65 -4.52 145.27 275.67 60.42 2 20 8 3202.6 -8.43 138.66
 110.00 6 56 30 2713.38 -31.57 75.83 286.85 76.15 7 41 44 2113.4 -33.15 66.96
 110.00 1 28 58 3764.29 1.59 138.57 271.87 55.85 2 31 42 3164.3 -2.91 132.36

DIFFERENTIAL CORRECTIONS

TOE 2.4159 TRA 4.0253 TC3-2.2877 BAU 1.2551
 ROE .4715 RRA .0251 RC3 .0072 FAU .01045
 FDE .4958 FRA 1.1163 FC3 -.2204 BSP 17896
 BOE 2.4615 BRA 4.0254 BC3 2.2878 FSP -362

MID-COURSE EXECUTION ACCURACY

SGT 5442.7 SGR 422.6 SG3 107.0
 RRT .4288 RRF .4062 RTF .9378
 SGB 5459.1 R23 .0023 R13 .9379
 SG1 5445.7 SG2 381.5 TMA 1.92

ORBIT DETERMINATION ACCURACY

ST 2479.9 SR 421.8 SS 516.3
 CRT .8800 CRS -.8072 CST -.9904
 LSA 2559.1 MSA 211.7 SSA 13.8
 EL1 2507.7 EL2 198.1 ALF 8.57

LAUNCH DATE DEC 27 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 578.916

RL 147.12 LAL .00 LOL 95.03 VL 25.881 GAL 10.16 AZL 87.38 MCA 298.88 SMA 117.00 ECC .30875 INC 2.6176 V1 30.282
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.286 GAP 17.49 AZP 88.74 TAL 153.32 TAP 94.20 RCA 80.88 APO 153.12 V2 34.994
 RC 206.614 GL 9.86 GP -3.84 ZAL 47.05 ZAP 175.66 ETS 244.75 ZAE 132.36 ETE 184.06 ZAC 126.26 ETC 167.59 CLP 177.99

PLANETOCENTRIC CONIC

C3 46.135 VHL 6.792 DLA 26.87 RAL 43.31 RAD 6568.7 VEL 12.942 PTH 2.36 VHP 11.171 DPA 6.36 RAP 32.06 ECC 1.7593
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 15 3485.19 -20.84 129.96 288.23 70.38 4 11 20 2885.2 -23.32 122.17
 90.00 0 34 47 4003.46 -6.26 160.98 281.69 62.33 1 41 30 3403.5 -9.92 154.21
 100.00 5 7 43 3116.17 -24.36 104.10 289.53 72.11 5 59 39 2516.2 -26.57 96.00
 100.00 1 23 0 3847.72 -3.01 147.75 279.90 60.25 2 27 7 3247.7 -6.94 141.18
 110.00 7 10 6 2733.19 -31.24 77.28 291.79 75.36 7 55 39 2133.2 -32.93 68.47
 110.00 1 37 6 3803.45 3.08 140.61 276.12 55.94 2 40 29 3203.5 -1.41 134.41

DIFFERENTIAL CORRECTIONS

TDE 2.4318 TRA 4.4805 TC3-1.9968 BAU 1.2316
 RDE .4924 RRA .0455 RC3 .0028 FAU .00929
 FDE .4865 FRA 1.1791 FC3 -.1742 BSP 17827
 BDE 2.4812 BRA 4.4807 BC3 1.9968 FSP -352

MID-COURSE EXECUTION ACCURACY

SGT 5433.2 SGR 417.6 SG3 104.7
 RRT .4513 RRF .4299 RTF .9432
 SGB 5449.2 R23 .0025 R13 .9432
 SG1 5436.5 SG2 372.4 THA 2.00

ORBIT DETERMINATION ACCURACY

ST 2414.7 SR 415.5 SS 511.1
 CRT .8655 CRS -.7943 CST -.9915
 LSA 2493.4 MSA 217.5 SSA 13.1
 EL1 2441.5 EL2 205.9 ALF 8.53

LAUNCH DATE DEC 27 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 583.437

RL 147.12 LAL .00 LOL 95.03 VL 25.840 GAL 11.29 AZL 87.46 MCA 302.08 SMA 116.78 ECC .32133 INC 2.5359 V1 30.282
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.270 GAP 18.29 AZP 88.65 TAL 153.75 TAP 95.83 RCA 79.25 APO 154.30 V2 35.007
 RC 208.309 GL 8.93 GP -3.78 ZAL 44.83 ZAP 175.27 ETS 235.59 ZAE 132.35 ETE 184.03 ZAC 128.53 ETC 167.33 CLP 177.16

PLANETOCENTRIC CONIC

C3 52.173 VHL 7.223 DLA 26.58 RAL 45.86 RAD 6568.9 VEL 13.173 PTH 2.41 VHP 11.657 DPA 7.30 RAP 34.25 ECC 1.8586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 2 3490.43 -20.72 130.29 293.05 70.25 4 29 13 2890.4 -23.22 122.52
 90.00 0 37 19 4059.63 -4.48 164.14 285.72 62.01 1 44 58 3459.6 -8.19 157.42
 100.00 5 23 9 3129.01 -24.08 104.95 294.31 71.74 6 15 18 2529.0 -26.35 96.89
 100.00 1 27 53 3896.29 -1.36 150.42 284.00 60.14 2 32 49 3296.3 -5.33 143.87
 110.00 7 23 28 2752.51 -30.90 78.68 296.63 74.59 8 9 21 2152.5 -32.70 69.93
 110.00 1 44 3 3845.55 4.68 142.82 280.24 56.10 2 48 8 3245.6 .20 136.60

DIFFERENTIAL CORRECTIONS

TDE 2.4422 TRA 4.9624 TC3-1.7267 BAU 1.2044
 RDE .5130 RRA .0677 RC3 -.0003 FAU .00819
 FDE .4771 FRA 1.2451 FC3 -.1360 BSP 17866
 BDE 2.4955 BRA 4.9629 BC3 1.7267 FSP -345

MID-COURSE EXECUTION ACCURACY

SGT 5417.5 SGR 411.3 SG3 102.3
 RRT .4729 RRF .4526 RTF .9487
 SGB 5433.1 R23 .0022 R13 .9487
 SG1 5421.0 SG2 362.2 THA 2.07

ORBIT DETERMINATION ACCURACY

ST 2345.7 SR 407.3 SS 506.6
 CRT .8500 CRS -.7807 CST -.9925
 LSA 2423.9 MSA 222.2 SSA 12.4
 EL1 2371.3 EL2 212.3 ALF 8.46

LAUNCH DATE DEC 27 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 587.736

RL 147.12 LAL .00 LOL 95.03 VL 25.799 GAL 12.52 AZL 87.55 MCA 305.28 SMA 116.57 ECC .33536 INC 2.4483 V1 30.282
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.254 GAP 19.18 AZP 88.59 TAL 152.25 TAP 97.53 RCA 77.47 APO 155.66 V2 35.020
 RC 209.976 GL 8.03 GP -3.73 ZAL 42.77 ZAP 174.74 ETS 227.79 ZAE 132.31 ETE 183.99 ZAC 130.77 ETC 167.02 CLP 176.30

PLANETOCENTRIC CONIC

C3 59.348 VHL 7.704 DLA 26.25 RAL 48.22 RAD 6569.1 VEL 13.443 PTH 2.46 VHP 12.197 DPA 8.21 RAP 36.42 ECC 1.9767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 26 3495.49 -20.60 130.62 297.76 70.13 4 46 41 2895.5 -23.12 122.85
 90.00 0 38 48 4118.02 -2.61 167.41 289.61 61.79 1 47 26 3518.0 -6.36 160.74
 100.00 5 38 19 3141.20 -23.82 105.76 298.97 71.39 6 30 41 2541.2 -26.14 97.73
 100.00 1 31 36 3947.54 .38 153.23 287.96 60.11 2 37 23 3347.5 -3.60 146.70
 110.00 7 36 30 2771.45 -30.55 80.05 301.34 73.85 8 22 41 2171.4 -32.45 71.35
 110.00 1 49 55 3890.05 6.37 145.16 284.24 56.34 2 54 45 3290.1 1.90 138.92

DIFFERENTIAL CORRECTIONS

TDE 2.4534 TRA 5.4800 TC3-1.4738 BAU 1.1694
 RDE .5335 RRA .0919 RC3 -.0023 FAU .00709
 FDE .4693 FRA 1.3168 FC3 -.1034 BSP 17891
 BDE 2.5107 BRA 5.4808 BC3 1.4739 FSP -338

MID-COURSE EXECUTION ACCURACY

SGT 5397.8 SGR 404.0 SG3 100.0
 RRT .4943 RRF .4753 RTF .9541
 SGB 5412.9 R23 .0018 R13 .9541
 SG1 5401.5 SG2 351.0 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 2278.7 SR 397.4 SS 504.5
 CRT .8338 CRS -.7673 CST -.9935
 LSA 2356.7 MSA 225.6 SSA 11.7
 EL1 2302.9 EL2 217.1 ALF 8.35

LAUNCH DATE DEC 27 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 591.763

RL 147.12 LAL .00 LOL 95.03 VL 25.760 GAL 13.86 AZL 87.65 MCA 308.48 SMA 116.36 ECC .35105 INC 2.3533 V1 30.282
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.239 GAP 20.17 AZP 88.53 TAL 150.84 TAP 99.32 RCA 75.51 APO 157.21 V2 35.034
 RC 211.617 GL 7.16 GP -3.69 ZAL 40.86 ZAP 174.10 ETS 221.29 ZAE 132.22 ETE 183.96 ZAC 132.96 ETC 166.65 CLP 175.39

PLANETOCENTRIC CONIC

C3 67.914 VHL 8.241 DLA 25.88 RAL 50.41 RAD 6569.3 VEL 13.757 PTH 2.51 VHP 12.800 DPA 9.08 RAP 38.57 ECC 2.1177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 13 3500.73 -20.48 130.95 302.32 70.01 5 3 34 2900.7 -23.02 123.20
 90.00 0 39 27 4177.76 -.68 170.74 293.36 61.69 1 49 4 3577.8 -4.46 164.10
 100.00 5 53 4 3153.00 -23.56 106.54 303.50 71.05 6 45 37 2553.0 -25.93 98.55
 100.00 1 34 16 4000.73 2.18 156.15 291.77 60.18 2 40 57 3400.7 -1.80 149.63
 110.00 7 49 5 2790.05 -30.19 81.38 305.90 73.14 8 35 35 2190.0 -32.20 72.74
 110.00 1 54 45 3936.45 8.11 147.62 288.11 56.68 3 0 22 3336.4 3.67 141.35

DIFFERENTIAL CORRECTIONS

TDE 2.4675 TRA 6.0360 TC3-1.2390 BAU 1.1250
 RDE .5537 RRA .1180 RC3 -.0031 FAU .00594
 FDE .4634 FRA 1.3950 FC3 -.0757 BSP 17890
 BDE 2.5289 BRA 6.0392 BC3 1.2390 FSP -331

MID-COURSE EXECUTION ACCURACY

SGT 5374.4 SGR 395.7 SG3 97.8
 RRT .5156 RRF .4978 RTF .9595
 SGB 5388.9 R23 .0013 R13 .9595
 SG1 5378.3 SG2 338.8 THA 2.18

ORBIT DETERMINATION ACCURACY

ST 2215.0 SR 386.0 SS 504.9
 CRT .8174 CRS -.7542 CST -.9945
 LSA 2293.1 MSA 227.4 SSA 11.1
 EL1 2237.6 EL2 220.1 ALF 8.19

LAUNCH DATE DEC 27 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.723 GAL 15.32 AZL 87.75 MCA 311.69 SMA 116.16 ECC .36866 INC 2.2494 V1 30.282
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.225 GAP 21.28 AZP 88.50 TAL 149.53 TAP 101.22 RCA 73.34 APO 158.99 V2 35.047
 RC 213.230 GL 6.32 GP -3.64 ZAL 39.11 ZAP 173.36 ETS 215.92 ZAE 132.08 ETE 183.92 ZAC 135.11 ETC 166.22 CLP 174.44

PLANETOCENTRIC CONIC

C3 78.197 VHL .8.843 DLA 25.48 RAL 52.41 RAD 6569.5 VEL 14.126 PTH 2.57 VHP 13.476 DPA 9.92 RAP 40.69 ECC 2.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 21 16 3506.31 -20.35 131.31 306.73 69.87 5 19 42 2906.3 -22.91 123.57
 90.00 0 39 20 4238.23 1.27 174.11 296.95 61.71 1 49 58 3638.2 -2.52 167.48
 100.00 6 7 17 3164.52 -23.31 107.30 307.87 70.73 7 0 1 2564.5 -25.72 99.34
 100.00 1 36 0 4035.26 4.02 159.15 295.43 60.35 2 43 35 3453.3 .04 152.62
 110.00 8 1 8 2808.27 -29.82 82.67 310.29 72.46 8 47 57 2208.3 -31.93 74.09
 110.00 1 58 38 3984.27 9.89 150.19 291.84 57.11 3 5 2 3384.3 5.49 143.86

DIFFERENTIAL CORRECTIONS

TDE 2.4901 TRA 6.6463 TC3 -1.0204 BAU 1.0668
 RDE .5739 RRA .1462 RC3 -.0030 FAU .00467
 FDE .4607 FRA 1.4821 FC3 -.0517 BSP 17769
 BDE 2.5554 BRA 6.6479 BC3 1.0204 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5349.4 SGR 386.4 SG3 95.8
 RRT .5370 RRF .5208 RTF .9647
 SGB 5363.3 R23 .0009 R13 .9647
 SG1 5353.4 SG2 325.7 TMA 2.23

ORBIT DETERMINATION ACCURACY

ST 2157.3 SR 373.2 SS 508.8
 CRT .8012 CRS -.7423 CST -.9955
 LSA 2236.2 HSA 227.4 SSA 10.5
 EL1 2178.2 EL2 221.2 ALF 7.97

LAUNCH DATE DEC 27 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.686 GAL 16.94 AZL 87.87 MCA 314.90 SMA 115.97 ECC .38849 INC 2.1346 V1 30.282
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.212 GAP 22.54 AZP 88.49 TAL 148.35 TAP 103.24 RCA 70.92 APO 161.03 V2 35.060
 RC 214.816 GL 5.52 GP -3.60 ZAL 37.54 ZAP 172.51 ETS 211.45 ZAE 131.88 ETE 183.87 ZAC 137.20 ETC 165.73 CLP 173.43

PLANETOCENTRIC CONIC

C3 90.618 VHL 9.519 DLA 25.05 RAL 54.21 RAD 6569.8 VEL 14.559 PTH 2.64 VHP 14.239 DPA 10.71 RAP 42.77 ECC 2.4914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 29 3512.14 -20.21 131.68 310.94 69.74 5 35 1 2912.1 -22.79 123.96
 90.00 0 38 31 4298.94 3.23 177.50 300.39 61.85 1 50 10 3698.9 -.56 170.87
 100.00 6 20 50 3175.73 -23.05 108.04 312.05 70.42 7 13 45 2575.7 -23.51 100.10
 100.00 1 36 51 4110.58 5.88 162.21 298.93 60.64 2 45 22 3510.6 1.92 155.65
 110.00 8 12 36 2826.01 -29.45 83.92 314.49 71.80 8 59 42 2226.0 -31.65 75.40
 110.00 2 1 34 4033.07 11.68 152.83 295.43 57.64 3 8 47 3433.1 7.33 146.44

DIFFERENTIAL CORRECTIONS

TDE 2.5136 TRA 7.3008 TC3 -.8235 BAU .9976
 RDE .5935 RRA .1759 RC3 -.0024 FAU .00337
 FDE .4589 FRA 1.5769 FC3 -.0322 BSP 17773
 BDE 2.5827 BRA 7.3029 BC3 .8235 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 5317.5 SGR 375.9 SG3 93.8
 RRT .5575 RRF .5427 RTF .9697
 SGB 5330.7 R23 .0002 R13 .9697
 SG1 5321.6 SG2 311.8 TMA 2.26

ORBIT DETERMINATION ACCURACY

ST 2099.7 SR 359.0 SS 514.8
 CRT .7848 CRS -.7303 CST -.9963
 LSA 2179.8 HSA 225.8 SSA 9.9
 EL1 2118.7 EL2 220.5 ALF 7.73

LAUNCH DATE DEC 27 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.652 GAL 18.74 AZL 87.99 MCA 318.11 SMA 115.79 ECC .41091 INC 2.0060 V1 30.282
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.200 GAP 23.97 AZP 88.51 TAL 147.31 TAP 105.42 RCA 68.21 APO 163.37 V2 35.073
 RC 216.375 GL 4.74 GP -3.56 ZAL 36.14 ZAP 171.56 ETS 207.72 ZAE 131.61 ETE 183.82 ZAC 139.21 ETC 165.18 CLP 172.34

PLANETOCENTRIC CONIC

C3 105.738 VHL 10.283 DLA 24.60 RAL 55.82 RAD 6570.0 VEL 15.069 PTH 2.71 VHP 15.105 DPA 11.46 RAP 44.79 ECC 2.7402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 49 3518.02 -20.07 132.06 314.93 69.60 5 49 27 2918.0 -22.67 124.35
 90.00 0 36 59 4359.48 5.16 180.90 303.66 62.12 1 49 38 3759.5 1.39 174.25
 100.00 6 33 39 3186.48 -22.81 108.74 316.01 70.13 7 26 45 2586.5 -25.30 100.84
 100.00 1 36 50 4166.26 7.72 165.31 302.26 61.03 2 46 16 3566.3 3.80 158.72
 110.00 8 23 25 2843.07 -29.08 85.11 318.46 71.19 9 10 48 2243.1 -31.37 76.65
 110.00 2 3 33 4082.43 13.46 155.54 298.85 58.28 3 11 36 3482.4 9.17 149.07

DIFFERENTIAL CORRECTIONS

TDE 2.5467 TRA 8.0158 TC3 -.6441 BAU .9105
 RDE .6129 RRA .2072 RC3 -.0012 FAU .00190
 FDE .4600 FRA 1.6826 FC3 -.0155 BSP 17744
 BDE 2.6194 BRA 8.0185 BC3 .6441 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 5281.9 SGR 364.3 SG3 91.8
 RRT .5777 RRF .5643 RTF .9745
 SGB 5294.5 R23 -.0004 R13 .9745
 SG1 5286.1 SG2 297.2 TMA 2.29

ORBIT DETERMINATION ACCURACY

ST 2046.2 SR 343.6 SS 524.3
 CRT .7691 CRS -.7195 CST -.9971
 LSA 2128.5 HSA 222.3 SSA 9.3
 EL1 2063.4 EL2 217.8 ALF 7.44

LAUNCH DATE DEC 27 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 95.03 VL 25.619 GAL 20.75 AZL 88.14 MCA 321.32 SMA 115.63 ECC .43634 INC 1.8601 V1 30.282
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.190 GAP 25.61 AZP 88.55 TAL 146.47 TAP 107.79 RCA 65.17 APO 166.08 V2 35.086
 RC 217.906 GL 4.00 GP -3.52 ZAL 34.94 ZAP 170.50 ETS 204.56 ZAE 131.24 ETE 183.77 ZAC 141.14 ETC 164.56 CLP 171.17

PLANETOCENTRIC CONIC

C3 124.297 VHL 11.149 DLA 24.13 RAL 57.21 RAD 6570.3 VEL 15.673 PTH 2.79 VHP 16.094 DPA 12.17 RAP 46.74 ECC 3.0456
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 4 13 3523.66 -19.94 132.42 318.67 69.47 6 2 56 2923.7 -22.56 124.72
 90.00 0 34 42 4419.53 7.06 184.29 306.72 62.51 1 48 21 3819.5 3.33 177.60
 100.00 6 45 40 3196.55 -22.57 109.40 319.72 69.86 7 38 57 2596.5 -25.11 101.52
 100.00 1 35 56 4221.87 9.54 168.43 305.39 61.54 2 46 17 3621.9 5.67 161.79
 110.00 8 33 29 2859.22 -28.72 86.23 322.17 70.61 9 21 8 2259.2 -31.09 77.83
 110.00 2 4 36 4131.97 15.22 158.31 302.08 59.02 3 13 28 3532.0 11.00 151.74

DIFFERENTIAL CORRECTIONS

TDE 2.5921 TRA 8.7991 TC3 -.4821 BAU .8012
 RDE .6319 RRA .2399 RC3 .0004 FAU .00020
 FDE .4644 FRA 1.8011 FC3 -.0014 BSP 17706
 BDE 2.6680 BRA 8.8024 BC3 .4821 FSP -304

MID-COURSE EXECUTION ACCURACY

SGT 5242.2 SGR 351.7 SG3 90.0
 RRT .5972 RRF .5854 RTF .9789
 SGB 5253.9 R23 -.0011 R13 .9789
 SG1 5246.4 SG2 281.9 TMA 2.30

ORBIT DETERMINATION ACCURACY

ST 1996.2 SR 327.3 SS 537.7
 CRT .7544 CRS -.7098 CST -.9977
 LSA 2081.8 HSA 217.1 SSA 8.7
 EL1 2011.6 EL2 213.2 ALF 7.13

LAUNCH DATE DEC 27 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 604.715

RL 147.12 LAL .00 LOL 95.03 VL 25.589 GAL 23.02 AZL 88.31 MCA 324.54 SMA 115.47 ECC .46532 INC 1.6921 V1 30.282
 RP 107.97 LAP -.98 LOP 59.58 VP 36.181 GAP 27.50 AZP 88.62 TAL 145.85 TAP 110.39 RCA 61.74 APO 169.20 V2 35.099
 RC 219.410 GL 3.29 GP -3.49 ZAL 33.94 ZAP 169.30 ETS 201.85 ZAE 130.76 ETE 183.70 ZAC 142.95 ETC 163.89 CLP 169.88

PLANETOCENTRIC CONIC

C3 147.295 VHL 12.137 DLA 23.63 RAL 58.37 RAD 6570.6 VEL 16.390 PTH 2.86 VMP 17.231 DPA 12.82 RAP 48.60 ECC 3.4241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 37 3528.65 -19.82 132.74 322.12 69.35 6 15 26 2928.6 -22.45 125.05
 90.00 0 31 35 4478.81 8.91 187.66 309.57 63.01 1 46 14 3878.8 5.22 180.93
 100.00 6 56 49 3205.59 -22.36 109.99 323.14 69.63 7 50 14 2605.6 -24.93 102.13
 100.00 1 34 4 4277.10 11.32 171.57 308.30 62.15 2 45 22 3677.1 7.50 164.86
 110.00 8 42 46 2874.13 -28.38 87.25 325.58 70.09 9 30 40 2274.1 -30.82 78.91
 110.00 2 4 37 4181.32 16.93 161.11 305.09 59.85 5 14 18 3581.3 12.80 154.44

DIFFERENTIAL CORRECTIONS

TDE 2.6586 TRA 9.6659 TC3 -.3356 BAU .6609
 RDE .6510 RRA .2738 RC3 .0022 FAU-.00187
 FDE .4737 FRA 1.9359 FC3 .0110 BSP 17523
 BDE 2.7372 BRA 9.6698 BC3 .3356 FSP -296

MID-COURSE EXECUTION ACCURACY

SGT 5200.6 SGR 338.2 SG3 88.4
 RRT .6163 RRF .6060 RTF .9829
 SGB 5211.6 R23 -.0017 R13 .9829
 SG1 5204.8 SG2 266.1 THA 2.30

ORBIT DETERMINATION ACCURACY

ST 1951.6 SR 310.2 SS 556.2
 CRT .7416 CRS -.7023 CST -.9983
 LSA 2042.1 MSA 210.0 SSA 8.2
 EL1 1965.2 EL2 206.7 ALF 6.80

LAUNCH DATE DEC 27 1965

FLIGHT TIME 216.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 604.772

RL 147.12 LAL .00 LOL 95.03 VL 25.562 GAL 25.60 AZL 88.30 MCA 327.76 SMA 115.33 ECC .49843 INC 1.4952 V1 30.282
 RP 107.93 LAP -.80 LOP 62.80 VP 36.174 GAP 29.69 AZP 88.74 TAL 145.51 TAP 113.27 RCA 57.85 APO 172.82 V2 35.111
 RC 220.887 GL 2.60 GP -3.45 ZAL 33.17 ZAP 167.96 ETS 199.49 ZAE 130.15 ETE 183.62 ZAC 144.62 ETC 163.18 CLP 168.45

PLANETOCENTRIC CONIC

C3 176.086 VHL 13.270 DLA 23.10 RAL 59.29 RAD 6570.9 VEL 17.246 PTH 2.94 VMP 18.546 DPA 13.41 RAP 50.34 ECC 3.8979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 59 3532.51 -19.73 132.98 325.23 69.26 6 26 52 2932.5 -22.37 125.31
 90.00 0 27 31 4537.09 10.69 191.02 312.14 63.62 1 43 8 3937.1 7.07 184.22
 100.00 7 7 1 3213.20 -22.18 110.48 326.22 69.43 8 0 34 2613.2 -24.78 102.65
 100.00 1 31 10 4331.63 13.03 174.71 310.94 62.86 2 43 22 3731.6 9.29 167.92
 110.00 8 51 9 2887.41 -28.07 88.16 328.65 69.64 9 39 17 2287.4 -30.58 79.86
 110.00 2 3 31 4230.19 18.58 163.94 307.85 60.78 3 14 1 3630.2 14.54 157.15

DIFFERENTIAL CORRECTIONS

TDE 2.7399 TRA10.6153 TC3 -.2071 BAU .4876
 RDE .6697 RRA .3076 RC3 .0040 FAU-.00434
 FDE .4864 FRA 2.0874 FC3 .0213 BSP 17473
 BDE 2.8206 BRA10.6198 BC3 .2071 FSP -292

MID-COURSE EXECUTION ACCURACY

SGT 5150.9 SGR 323.4 SG3 86.7
 RRT .6338 RRF .6249 RTF .9864
 SGB 5161.1 R23 -.0024 R13 .9864
 SG1 5155.0 SG2 249.9 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 1906.5 SR 292.4 SS 578.9
 CRT .7299 CRS -.6955 CST -.9987
 LSA 2003.6 MSA 201.4 SSA 7.6
 EL1 1918.5 EL2 198.6 ALF 6.46

LAUNCH DATE DEC 27 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 603.342

RL 147.12 LAL .00 LOL 95.03 VL 25.539 GAL 28.56 AZL 88.74 MCA 330.98 SMA 115.21 ECC .53635 INC 1.2595 V1 30.282
 RP 107.89 LAP -.61 LOP 66.02 VP 36.169 GAP 32.25 AZP 88.90 TAL 145.53 TAP 116.50 RCA 53.42 APO 177.01 V2 35.124
 RC 222.336 GL 1.94 GP -3.41 ZAL 32.68 ZAP 166.43 ETS 197.41 ZAE 129.36 ETE 183.53 ZAC 146.13 ETC 162.45 CLP 166.86

PLANETOCENTRIC CONIC

C3 212.530 VHL 14.578 DLA 22.55 RAL 59.92 RAD 6571.2 VEL 18.272 PTH 3.03 VMP 20.078 DPA 13.94 RAP 51.91 ECC 4.4977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 14 3534.70 -19.67 133.12 327.95 69.21 6 37 9 2934.7 -22.33 125.45
 90.00 0 22 18 4594.22 12.40 194.35 314.40 64.34 1 38 52 3994.2 8.85 187.47
 100.00 7 16 11 3218.90 -22.04 110.85 328.91 69.28 8 9 50 2618.9 -24.66 103.03
 100.00 1 27 3 4385.25 14.68 177.85 313.26 63.66 2 40 8 3785.2 11.02 170.97
 110.00 8 58 33 2898.62 -27.80 88.92 331.31 69.26 9 46 52 2298.6 -30.36 80.67
 110.00 2 1 10 4278.29 20.15 186.79 310.31 61.79 3 12 28 3678.3 16.22 159.87

DIFFERENTIAL CORRECTIONS

TDE 2.8495 TRA11.6648 TC3 -.0938 BAU .2669
 RDE .6885 RRA .3407 RC3 .0057 FAU-.00746
 FDE .5054 FRA 2.2602 FC3 .0304 BSP 17381
 BDE 2.9319 BRA11.6698 BC3 .0939 FSP -287

MID-COURSE EXECUTION ACCURACY

SGT 5096.0 SGR 307.4 SG3 85.2
 RRT .6498 RRF .6421 RTF .9895
 SGB 5105.3 R23 -.0030 R13 .9895
 SG1 5099.9 SG2 233.5 THA 2.25

ORBIT DETERMINATION ACCURACY

ST 1863.3 SR 274.1 SS 607.7
 CRT .7202 CRS -.6905 CST -.9990
 LSA 1969.7 MSA 191.5 SSA 7.0
 EL1 1873.8 EL2 189.1 ALF 6.11

LAUNCH DATE DEC 27 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 4 1966

HELIOCENTRIC CONIC

DISTANCE 599.953

RL 147.12 LAL .00 LOL 95.03 VL 25.520 GAL 31.98 AZL 89.03 MCA 334.20 SMA 115.12 ECC .57978 INC .9705 V1 30.282
 RP 107.86 LAP -.42 LOP 69.23 VP 36.167 GAP 35.27 AZP 89.13 TAL 145.98 TAP 120.18 RCA 48.37 APO 181.86 V2 35.135
 RC 223.756 GL 1.31 GP -3.37 ZAL 32.48 ZAP 164.68 ETS 195.56 ZAE 128.35 ETE 183.42 ZAC 147.43 ETC 161.74 CLP 165.04

PLANETOCENTRIC CONIC

C3 259.187 VHL 16.099 DLA 21.96 RAL 60.23 RAD 6571.5 VEL 19.506 PTH 3.11 VMP 21.874 DPA 14.39 RAP 53.29 ECC 5.2656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 17 3534.58 -19.68 133.11 330.21 69.22 6 46 12 2934.6 -22.33 125.44
 90.00 0 15 43 4850.11 14.03 197.65 316.29 65.15 1 33 13 4050.1 10.56 190.68
 100.00 7 24 12 3222.09 -21.96 111.05 331.14 69.20 8 17 54 2622.1 -24.60 103.24
 100.00 1 21 30 4437.83 16.24 180.97 315.21 64.55 2 35 27 3837.8 12.68 173.99
 110.00 9 4 50 2907.23 -27.59 89.51 333.51 68.97 9 53 18 2307.2 -30.19 81.28
 110.00 1 57 20 4325.45 21.64 169.63 312.39 62.87 3 9 26 3725.5 17.83 162.57

DIFFERENTIAL CORRECTIONS

TDE 2.9941 TRA12.8222 TC3 .0048 BAU .0303
 RDE .7076 RRA .3713 RC3 .0073 FAU-.01147
 FDE .5319 FRA 2.4580 FC3 .0383 BSP 17256
 BDE 3.0766 BRA12.8276 BC3 .0087 FSP -283

MID-COURSE EXECUTION ACCURACY

SGT 5034.3 SGR 290.3 SG3 83.8
 RRT .6636 RRF .6569 RTF .9922
 SGB 5042.7 R23 -.0036 R13 .9921
 SG1 5038.0 SG2 217.0 THA 2.20

ORBIT DETERMINATION ACCURACY

ST 1820.5 SR 255.4 SS 643.4
 CRT .7128 CRS -.6873 CST -.9993
 LSA 1939.3 MSA 180.4 SSA 6.4
 EL1 1829.7 EL2 178.3 ALF 5.77

LAUNCH DATE DEC 28 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 8 1966

HELIOCENTRIC CONIC

DISTANCE 208.032

RL 147.12 LAL .00 LOL 96.05 VL 29.529 GAL -14.24 AZL 86.92 HCA 95.84 SMA 142.36 ECC .24817 INC 3.0796 V1 30.283
 RP 107.85 LAP 3.06 LOP 191.90 VP 39.101 GAP -3.14 AZP 90.31 TAL 248.26 TAP 344.10 RCA 107.03 APO 177.69 V2 35.138
 RC 68.394 GL 11.72 GP 9.75 ZAL 162.35 ZAP 59.40 ETS 352.28 ZAE 171.74 ETE 14.14 ZAC 46.67 ETC 167.71 CLP -38.90

PLANETOCENTRIC CONIC

C3 57.264 VHL 7.567 DLA -10.44 RAL 289.26 RAD 6569.0 VEL 13.365 PTH 2.44 VHP 4.618 DPA -10.21 RAP 313.71 ECC 1.9424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 52 2146.24 -17.85 37.20 165.96 112.35 2 9 38 1546.2 -14.67 29.97
 90.00 10 52 26 5449.78 28.21 251.20 173.78 87.40 12 23 15 4849.8 27.55 242.59
 100.00 2 50 1 1900.55 -19.24 18.52 165.34 113.33 3 21 42 1300.5 -15.92 11.30
 100.00 12 18 58 5170.70 29.71 230.58 173.69 86.58 13 45 8 4570.7 28.92 221.87
 110.00 3 46 29 1723.72 -22.93 3.28 163.52 116.07 4 15 13 1123.7 -19.24 356.09
 110.00 13 38 59 4920.29 33.76 211.19 173.31 84.28 15 0 59 4320.3 32.60 202.14

DIFFERENTIAL CORRECTIONS

TDE -.0812 TRA -.6168 TC3 .0273 BAU .0382
 RDE -.5071 RRA .1651 RC3 .0417 FAU .10404
 FDE .3680 FRA -1.6179 FC3 -1.5730 BSP 555
 BDE .5135 BRA .6385 BC3 .0498 FSP -682

MID-COURSE EXECUTION ACCURACY

SGT 480.6 SGR 409.3 SG3 233.4
 RRT -.1735 RRF -.3758 RTF .3666
 SGB 631.3 R23 .1807 R13 -.4497
 SG1 495.8 SG2 390.7 TMA 156.45

ORBIT DETERMINATION ACCURACY

ST 155.2 SR 385.8 SS 188.1
 CRT .3037 CRS .6670 CST -.4921
 LSA 409.6 MSA 200.5 SSA 20.0
 EL1 389.2 EL2 146.6 ALF 81.88

LAUNCH DATE DEC 28 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC

DISTANCE 214.610

RL 147.12 LAL .00 LOL 96.05 VL 29.527 GAL -14.09 AZL 86.99 HCA 99.06 SMA 142.34 ECC .24568 INC 3.0141 V1 30.283
 RP 107.89 LAP 2.98 LOP 195.13 VP 39.089 GAP -2.48 AZP 90.48 TAL 248.29 TAP 347.36 RCA 107.37 APO 177.31 V2 35.126
 RC 70.553 GL 11.61 GP 10.25 ZAL 162.43 ZAP 64.49 ETS 353.07 ZAE 174.35 ETE 30.88 ZAC 44.72 ETC 168.10 CLP -64.05

PLANETOCENTRIC CONIC

C3 56.024 VHL 7.485 DLA -10.55 RAL 289.27 RAD 6569.0 VEL 13.319 PTH 2.43 VHP 4.429 DPA -10.18 RAP 311.72 ECC 1.9220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 51 2137.00 -17.61 36.63 165.59 112.54 2 10 28 1537.0 -14.41 29.42
 90.00 10 51 31 5448.26 28.20 231.09 173.43 87.34 12 22 19 4848.3 27.54 242.48
 100.00 2 50 56 1891.53 -19.00 17.96 164.97 113.52 3 22 28 1291.5 -15.66 10.76
 100.00 12 18 6 5168.97 29.71 230.45 173.34 86.51 13 44 15 4569.0 28.91 221.74
 110.00 3 47 16 1715.16 -22.67 2.75 163.15 116.29 4 15 51 1115.2 -18.96 355.59
 110.00 13 38 17 4918.10 33.74 211.02 172.95 84.18 15 0 15 4318.1 32.57 201.98

DIFFERENTIAL CORRECTIONS

TDE -.0681 TRA -.6681 TC3 -.0125 BAU .0417
 RDE -.5006 RRA .1754 RC3 .0542 FAU .11193
 FDE .3849 FRA -1.7361 FC3 -1.7296 BSP 746
 BDE .5052 BRA .6908 BC3 .0556 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 523.2 SGR 414.8 SG3 253.6
 RRT -.2424 RRF -.4169 RTF .4795
 SGB 667.7 R23 .1581 R13 -.5486
 SG1 544.1 SG2 387.0 TMA 157.00

ORBIT DETERMINATION ACCURACY

ST 164.5 SR 385.4 SS 194.1
 CRT .2141 CRS .6636 CST -.5748
 LSA 409.6 MSA 212.4 SSA 20.1
 EL1 387.3 EL2 159.9 ALF 83.70

LAUNCH DATE DEC 28 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC

DISTANCE 221.142

RL 147.12 LAL .00 LOL 96.05 VL 29.516 GAL -13.95 AZL 87.05 HCA 102.29 SMA 142.24 ECC .24331 INC 2.9476 V1 30.283
 RP 107.92 LAP 2.88 LOP 198.35 VP 39.069 GAP -1.86 AZP 90.63 TAL 248.20 TAP 350.48 RCA 107.63 APO 176.85 V2 35.114
 RC 72.741 GL 11.48 GP 10.74 ZAL 162.46 ZAP 69.65 ETS 353.89 ZAE 175.95 ETE 67.89 ZAC 42.69 ETC 168.52 CLP -69.28

PLANETOCENTRIC CONIC

C3 54.814 VHL 7.404 DLA -10.67 RAL 289.35 RAD 6569.0 VEL 13.273 PTH 2.43 VHP 4.274 DPA -10.15 RAP 309.65 ECC 1.9021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 10 2127.65 -17.37 36.05 165.31 112.72 2 11 38 1527.6 -14.14 28.86
 90.00 10 50 51 5446.86 28.20 250.98 173.16 87.29 12 21 38 4846.9 27.52 242.38
 100.00 2 52 11 1882.40 -18.75 17.40 164.68 113.72 3 23 33 1282.4 -15.39 10.22
 100.00 12 17 31 5167.34 29.70 230.33 173.07 86.45 13 43 39 4567.3 28.89 221.62
 110.00 3 48 21 1706.51 -22.41 2.22 162.85 116.51 4 16 48 1106.5 -18.67 355.08
 110.00 13 37 51 4915.99 33.73 210.85 172.67 84.09 14 59 47 4316.0 32.54 201.82

DIFFERENTIAL CORRECTIONS

TDE -.0550 TRA -.7263 TC3 -.0592 BAU .0657
 RDE -.4929 RRA .1854 RC3 .0673 FAU .11896
 FDE .4006 FRA -1.8341 FC3 -1.8788 BSP 999
 BDE .4960 BRA .7496 BC3 .0896 FSP -816

MID-COURSE EXECUTION ACCURACY

SGT 580.2 SGR 420.5 SG3 272.2
 RRT -.3116 RRF -.4580 RTF .5782
 SGB 716.6 R23 .1420 R13 -.6322
 SG1 605.8 SG2 382.6 TMA 158.22

ORBIT DETERMINATION ACCURACY

ST 176.8 SR 384.0 SS 199.2
 CRT .1284 CRS .6640 CST -.6436
 LSA 409.4 MSA 224.4 SSA 20.1
 EL1 384.8 EL2 175.0 ALF 85.73

LAUNCH DATE DEC 28 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 227.628

RL 147.12 LAL .00 LOL 96.05 VL 29.497 GAL -13.80 AZL 87.12 HCA 105.51 SMA 142.07 ECC .24104 INC 2.8795 V1 30.283
 RP 107.96 LAP 2.77 LOP 201.58 VP 39.044 GAP -1.27 AZP 90.77 TAL 247.97 TAP 353.48 RCA 107.83 APO 176.32 V2 35.101
 RC 74.954 GL 11.33 GP 11.21 ZAL 162.45 ZAP 74.83 ETS 354.74 ZAE 175.04 ETE 112.54 ZAC 40.64 ETC 168.98 CLP -74.53

PLANETOCENTRIC CONIC

C3 53.624 VHL 7.323 DLA -10.80 RAL 289.50 RAD 6568.9 VEL 13.228 PTH 2.42 VHP 4.152 DPA -10.12 RAP 307.57 ECC 1.8825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 47 2118.11 -17.12 35.46 165.09 112.91 2 13 6 1518.1 -13.87 28.29
 90.00 10 50 26 5445.56 28.19 250.89 172.95 87.25 12 21 12 4845.6 27.51 242.29
 100.00 2 53 44 1873.09 -18.49 16.82 164.46 113.91 3 24 57 1273.1 -15.11 9.67
 100.00 12 17 11 5165.81 29.69 230.22 172.86 86.39 13 43 16 4565.8 28.88 221.51
 110.00 3 49 45 1697.70 -22.14 1.68 162.62 116.73 4 18 2 1097.7 -18.38 354.57
 110.00 13 37 40 4913.96 33.72 210.70 172.46 84.00 14 59 34 4314.0 32.52 201.67

DIFFERENTIAL CORRECTIONS

TDE -.0414 TRA -.7897 TC3 -.1116 BAU .0989
 RDE -.4836 RRA .1951 RC3 .0810 FAU .12513
 FDE .4071 FRA -1.9139 FC3 -2.0201 BSP 1291
 BDE .4854 BRA .8135 BC3 .1379 FSP -878

MID-COURSE EXECUTION ACCURACY

SGT 650.7 SGR 425.9 SG3 288.9
 RRT -.3784 RRF -.4975 RTF .6582
 SGB 777.7 R23 .1295 R13 -.6990
 SG1 680.1 SG2 377.2 TMA 159.55

ORBIT DETERMINATION ACCURACY

ST 191.5 SR 381.3 SS 202.5
 CRT .0473 CRS .6607 CST -.7069
 LSA 408.1 MSA 236.8 SSA 20.2
 EL1 381.4 EL2 191.3 ALF 88.18

LAUNCH DATE DEC 28 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 234.070

RL 147.12 LAL .00 LOL 96.05 VL 29.471 GAL -13.66 AZL 87.19 HCA 108.72 SMA 141.83 ECC .23884 INC 2.8092 V1 30.283
 RP 108.00 LAP 2.66 LOP 204.80 VP 39.012 GAP -.70 ATP 90.90 TAL 247.63 TAP 356.35 RCA 107.96 APO 175.71 V2 35.089
 RC 77.191 GL 11.18 GP 11.66 ZAL 162.40 ZAP 79.98 ETS 355.64 ZAE 172.41 ETE 135.11 ZAC 38.62 ETC 169.47 CLP -79.76

PLANETOCENTRIC CONIC

C3 52.443 VHL 7.242 OLA -10.93 RAL 289.72 RAD 6568.9 VEL 13.183 PTH 2.41 VHP 4.060 DPA -10.08 RAP 305.51 ECC 1.8631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 43 2108.29 -16.86 34.86 164.93 113.10 2 14 51 1508.3 -13.58 27.71
 90.00 10 50 14 5444.35 28.19 250.80 172.81 87.20 12 20 58 4844.3 27.50 242.20
 100.00 2 55 35 1863.51 -18.23 16.24 164.30 114.11 3 26 39 1263.5 -14.82 9.10
 100.00 12 17 3 5164.35 29.69 230.11 172.71 86.33 13 43 7 4564.4 28.86 221.40
 110.00 3 51 26 1688.64 -21.86 1.12 162.45 116.95 4 19 34 1088.6 -18.07 354.04
 110.00 13 37 42 4911.98 33.70 210.55 172.31 83.91 14 59 34 4312.0 32.49 201.52

DIFFERENTIAL CORRECTIONS

TDE -.0283 TRA -.8576 TC3 -.1695 BAU .1362
 RDE -.4727 RRA .2039 RC3 .0950 FAU .13010
 FDE .4069 FRA-1.9696 FC3-2.1477 BSP 1618
 BDE .4735 BRA .8815 BC3 .1943 FSP -933

MID-COURSE EXECUTION ACCURACY

SGT 733.7 SGR 431.1 SG3 303.0
 RRT -.4394 RRF -.5354 RTF .7202
 SGB 851.0 R23 .1210 R13 -.7507
 SG1 765.8 SG2 371.0 TMA 160.87

ORBIT DETERMINATION ACCURACY

ST 208.6 SR 377.2 SS 204.3
 CRT -.0240 CRS .6567 CST -.7589
 LSA 406.3 MSA 249.1 SSA 20.2
 EL1 377.3 EL2 208.6 ALF 91.09

LAUNCH DATE DEC 28 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 240.468

RL 147.12 LAL .00 LOL 96.05 VL 29.438 GAL -13.51 AZL 87.26 HCA 111.94 SMA 141.54 ECC .23670 INC 2.7363 V1 30.283
 RP 108.04 LAP 2.54 LOP 208.01 VP 38.976 GAP -.17 ATP 91.02 TAL 247.18 TAP 359.12 RCA 108.04 APO 175.04 V2 35.076
 RC 79.446 GL 11.00 GP 12.10 ZAL 162.31 ZAP 85.03 ETS 356.57 ZAE 169.28 ETE 145.48 ZAC 36.69 ETC 170.00 CLP -84.91

PLANETOCENTRIC CONIC

C3 51.265 VHL 7.160 OLA -11.06 RAL 289.99 RAD 6568.9 VEL 13.139 PTH 2.40 VHP 3.996 DPA -10.01 RAP 303.54 ECC 1.8437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 57 2098.10 -16.58 34.24 164.82 113.29 2 16 55 1498.1 -13.29 27.11
 90.00 10 50 13 5443.24 28.19 250.72 172.72 87.16 12 20 56 4843.2 27.49 242.12
 100.00 2 57 45 1853.58 -17.95 15.63 164.19 114.31 3 28 38 1253.6 -14.52 8.52
 100.00 12 17 6 5162.99 29.68 230.01 172.62 86.28 13 43 9 4563.0 28.85 221.31
 110.00 3 53 24 1679.26 -21.57 .55 162.33 117.18 4 21 24 1079.3 -17.76 353.50
 110.00 13 37 56 4910.07 33.69 210.40 172.21 83.82 14 59 46 4310.1 32.47 201.38

DIFFERENTIAL CORRECTIONS

TDE -.0163 TRA -.9291 TC3 -.2326 BAU .1760
 RDE -.4604 RRA .2114 RC3 .1089 FAU .13351
 FDE .4033 FRA-1.9956 FC3-2.2547 BSP 1976
 BDE .4607 BRA .9528 BC3 .2568 FSP -971

MID-COURSE EXECUTION ACCURACY

SGT 827.6 SGR 435.6 SG3 313.6
 RRT -.4930 RRF -.5711 RTF .7668
 SGB 935.3 R23 .1165 R13 -.7897
 SG1 861.5 SG2 364.1 TMA 162.16

ORBIT DETERMINATION ACCURACY

ST 227.9 SR 372.1 SS 204.8
 CRT -.0825 CRS .6553 CST -.7968
 LSA 404.7 MSA 260.9 SSA 20.2
 EL1 372.8 EL2 226.6 ALF 94.59

LAUNCH DATE DEC 28 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 246.825

RL 147.12 LAL .00 LOL 96.05 VL 29.399 GAL -13.36 AZL 87.34 HCA 115.15 SMA 141.20 ECC .23461 INC 2.6600 V1 30.283
 RP 108.08 LAP 2.41 LOP 211.23 VP 38.935 GAP .34 ATP 91.13 TAL 246.63 TAP 1.78 RCA 108.07 APO 174.32 V2 35.063
 RC 81.719 GL 10.81 GP 12.51 ZAL 162.18 ZAP 89.94 ETS 357.54 ZAE 166.03 ETE 151.12 ZAC 34.88 ETC 170.56 CLP -89.94

PLANETOCENTRIC CONIC

C3 50.083 VHL 7.077 OLA -11.21 RAL 290.33 RAD 6568.8 VEL 13.094 PTH 2.39 VHP 3.957 DPA -9.91 RAP 301.70 ECC 1.8242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 30 2087.43 -16.29 33.59 164.76 113.48 2 19 17 1487.4 -12.98 26.48
 90.00 10 50 21 5442.30 28.18 250.65 172.68 87.13 12 21 3 4842.3 27.49 242.06
 100.00 3 0 12 1843.19 -17.66 15.00 164.13 114.52 3 30 55 1243.2 -14.20 7.91
 100.00 12 17 19 5161.78 29.68 229.92 172.58 86.23 13 43 21 4561.8 28.84 221.22
 110.00 3 55 41 1669.47 -21.27 359.95 162.26 117.41 4 23 30 1069.5 -17.43 352.93
 110.00 13 38 20 4908.26 33.67 210.26 172.17 83.74 15 0 9 4308.3 32.44 201.24

DIFFERENTIAL CORRECTIONS

TDE -.0056 TRA -1.0025 TC3 -.2998 BAU .2170
 RDE -.4463 RRA .2179 RC3 .1229 FAU .13560
 FDE .3907 FRA-1.9982 FC3-2.3440 BSP 2352
 BDE .4464 BRA 1.0259 BC3 .3240 FSP -1004

MID-COURSE EXECUTION ACCURACY

SGT 929.9 SGR 439.5 SG3 321.3
 RRT -.5406 RRF -.6045 RTF .8014
 SGB 1028.5 R23 .1142 R13 -.8189
 SG1 964.8 SG2 356.4 TMA 163.33

ORBIT DETERMINATION ACCURACY

ST 248.6 SR 365.4 SS 203.6
 CRT -.1301 CRS .6502 CST -.8283
 LSA 403.0 MSA 272.0 SSA 20.2
 EL1 368.0 EL2 244.7 ALF 105.12

LAUNCH DATE DEC 28 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 253.143

RL 147.12 LAL .00 LOL 96.05 VL 29.355 GAL -13.20 AZL 87.42 HCA 118.36 SMA 140.81 ECC .23256 INC 2.5797 V1 30.283
 RP 108.12 LAP 2.27 LOP 214.44 VP 38.890 GAP .82 ATP 91.23 TAL 245.99 TAP 4.35 RCA 108.06 APO 173.55 V2 35.050
 RC 84.008 GL 10.60 GP 12.92 ZAL 162.02 ZAP 94.66 ETS 358.56 ZAE 162.83 ETE 154.60 ZAC 33.25 ETC 171.17 CLP -94.78

PLANETOCENTRIC CONIC

C3 48.895 VHL 6.992 OLA -11.37 RAL 290.72 RAD 6568.8 VEL 13.048 PTH 2.38 VHP 3.940 DPA -9.78 RAP 300.03 ECC 1.8047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 22 2076.16 -15.99 32.90 164.75 113.69 2 21 58 1476.2 -12.65 25.82
 90.00 10 50 35 5441.59 28.18 250.60 172.69 87.10 12 21 17 4841.6 27.48 242.00
 100.00 3 2 59 1832.22 -17.35 14.33 164.11 114.73 3 33 31 1232.2 -13.87 7.27
 100.00 12 17 40 5160.76 29.67 229.85 172.59 86.19 13 43 41 4560.8 28.83 221.14
 110.00 3 58 15 1659.14 -20.94 359.33 162.24 117.65 4 25 54 1059.1 -17.08 352.33
 110.00 13 38 53 4906.60 33.66 210.13 172.17 83.66 15 0 40 4306.6 32.42 201.12

DIFFERENTIAL CORRECTIONS

TDE .0030 TRA -1.0768 TC3 -.3708 BAU .2583
 RDE -.4306 RRA .2230 RC3 .1368 FAU .13635
 FDE .3711 FRA-1.9771 FC3-2.4142 BSP 2746
 BDE .4306 BRA 1.0996 BC3 .3952 FSP -1028

MID-COURSE EXECUTION ACCURACY

SGT 1038.7 SGR 442.5 SG3 325.8
 RRT -.5826 RRF -.6339 RTF .8268
 SGB 1129.0 R23 .1144 R13 -.8405
 SG1 1074.1 SG2 347.8 TMA 164.38

ORBIT DETERMINATION ACCURACY

ST 270.4 SR 357.3 SS 201.0
 CRT -.1662 CRS .6428 CST -.8530
 LSA 401.8 MSA 281.7 SSA 20.2
 EL1 363.4 EL2 262.2 ALF 105.25

LAUNCH DATE DEC 28 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 259.422

RL 147.12 LAL .00 LOL 96.05 VL 29.506 GAL -13.05 AZL 87.51 MCA 121.57 SMA 140.38 ECC .23054 INC 2.4945 V1 30.283
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.841 GAP 1.28 AZP 91.31 TAL 245.26 TAP 6.83 RCA 108.02 APO 172.75 V2 35.036
 RC 86.309 GL 10.36 GP 13.32 ZAL 161.82 ZAP 99.17 ETS 359.61 ZAE 159.73 ETE 156.92 ZAC 31.82 ETC 171.83 CLP -99.43

PLANETOCENTRIC CONIC

C3 47.697 VHL 6.906 DLA -11.54 RAL 291.16 RAD 6568.8 VEL 13.002 PTH 2.37 VHP 3.943 DPA -9.60 RAP 298.57 ECC 1.7850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 36 2064.13 -15.66 32.18 164.78 113.90 2 25 0 1464.1 -12.30 25.11
 90.00 10 50 55 5441.20 28.18 250.57 172.74 87.09 12 21 36 4841.2 27.48 241.98
 100.00 3 6 6 1820.53 -17.01 13.62 164.14 114.95 3 36 27 1220.5 -13.51 6.58
 100.00 12 18 6 5160.04 29.67 229.79 172.64 86.16 13 44 6 4560.0 28.82 221.09
 110.00 4 1 8 1648.17 -20.60 358.67 162.26 117.90 4 28 37 1048.2 -16.70 351.71
 110.00 13 39 33 4905.17 33.65 210.02 172.22 85.60 15 1 18 4305.2 32.40 201.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0094 TRA-1.1508 TC3 -.4449 BAU .2994 SGT 1152.0 SGR 444.7 SG3 326.8 ST 293.0 SR 348.2 S5 197.4
 RDE -.4138 RRA .2263 RC3 .1503 FAU .13557 RRT -.6189 RRF -.6654 RTF .8451 CRT -.1922 CRS .6397 CST -.8682
 FDE .3520 FRA-1.9291 FC3-2.4607 B3P 3146 SGB 1234.9 R23 .1179 R13 -.8563 LSA 402.7 MSA 289.0 S5A 20.2
 BDE .4140 BRA 1.1728 BC3 .4696 F3P -1030 SGI 1187.4 SG2 338.9 THA 165.34 EL1 360.5 EL2 277.7 ALF 113.98

LAUNCH DATE DEC 28 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 265.664

RL 147.12 LAL .00 LOL 96.05 VL 29.253 GAL -12.89 AZL 87.60 MCA 124.77 SMA 139.92 ECC .22856 INC 2.4032 V1 30.283
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.789 GAP 1.71 AZP 91.37 TAL 244.45 TAP 9.22 RCA 107.94 APO 171.91 V2 35.023
 RC 88.623 GL 10.10 GP 13.73 ZAL 161.58 ZAP 103.44 ETS .72 ZAE 156.79 ETE 158.53 ZAC 30.61 ETC 172.56 CLP -103.84

PLANETOCENTRIC CONIC

C3 46.487 VHL 6.818 DLA -11.74 RAL 291.66 RAD 6568.7 VEL 12.956 PTH 2.36 VHP 3.963 DPA -9.36 RAP 297.33 ECC 1.7651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 12 2051.18 -15.30 31.39 164.85 114.12 2 28 23 1451.2 -11.91 24.35
 90.00 10 51 16 5441.29 28.18 250.58 172.84 87.09 12 21 58 4841.3 27.48 241.98
 100.00 3 9 36 1807.95 -16.65 12.86 164.20 115.19 3 39 43 1208.0 -13.12 5.85
 100.00 12 18 34 5159.75 29.67 229.77 172.73 86.15 13 44 34 4559.7 28.82 221.07
 110.00 4 4 22 1636.39 -20.22 357.96 162.32 118.17 4 31 39 1036.4 -16.30 351.03
 110.00 13 40 17 4904.07 33.64 209.94 172.31 85.55 15 2 1 4304.1 32.38 200.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0129 TRA-1.2235 TC3 -.5217 BAU .3399 SGT 1268.4 SGR 446.1 SG3 325.7 ST 315.9 SR 337.4 S5 192.4
 RDE -.3953 RRA .2287 RC3 .1642 FAU .13390 RRT -.6521 RRF -.6937 RTF .8587 CRT -.2090 CRS .6293 CST -.8825
 FDE .3234 FRA-1.8677 FC3-2.4937 B3P 3555 SGB 1344.6 R23 .1229 R13 -.8680 LSA 405.3 MSA 293.3 S5A 20.2
 BDE .3955 BRA 1.2447 BC3 .5470 F3P -1033 SGI 1303.7 SG2 329.0 THA 166.18 EL1 360.8 EL2 288.9 ALF 126.26

LAUNCH DATE DEC 28 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 271.872

RL 147.12 LAL .00 LOL 96.05 VL 29.197 GAL -12.72 AZL 87.70 MCA 127.97 SMA 139.44 ECC .22661 INC 2.3047 V1 30.283
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.735 GAP 2.13 AZP 91.42 TAL 243.57 TAP 11.53 RCA 107.84 APO 171.04 V2 35.010
 RC 90.946 GL 9.80 GP 14.17 ZAL 161.31 ZAP 107.45 ETS 1.88 ZAE 154.02 ETE 159.65 ZAC 29.63 ETC 173.38 CLP -108.02

PLANETOCENTRIC CONIC

C3 45.284 VHL 6.728 DLA -11.96 RAL 292.21 RAD 6568.7 VEL 12.908 PTH 2.35 VHP 3.998 DPA -9.06 RAP 296.32 ECC 1.7449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 15 2037.06 -14.90 30.54 164.96 114.36 2 32 12 1437.1 -11.49 23.53
 90.00 10 51 37 5442.03 28.18 250.63 172.98 87.12 12 22 19 4842.0 27.48 242.04
 100.00 3 13 30 1794.26 -16.25 12.04 164.31 115.44 3 43 24 1194.3 -12.70 5.06
 100.00 12 19 3 5160.05 29.67 229.79 172.88 86.16 13 45 3 4560.1 28.82 221.09
 110.00 4 7 59 1623.63 -19.81 357.20 162.41 118.45 4 35 3 1023.6 -15.85 350.31
 110.00 13 41 3 4903.46 33.64 209.89 172.46 85.52 15 2 46 4303.5 32.38 200.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0134 TRA-1.2936 TC3 -.6008 BAU .3792 SGT 1388.3 SGR 446.8 SG3 321.7 ST 338.9 SR 325.6 S5 186.5
 RDE -.3757 RRA .2294 RC3 .1780 FAU .13110 RRT -.6815 RRF -.7209 RTF .8683 CRT -.2179 CRS .6219 CST -.8906
 FDE .2960 FRA-1.7888 FC3-2.5074 B3P 3959 SGB 1456.6 R23 .1311 R13 -.8763 LSA 411.0 MSA 293.8 S5A 20.1
 BDE .3760 BRA 1.3138 BC3 .8267 F3P -1019 SGI 1421.2 SG2 319.0 THA 166.94 EL1 367.3 EL2 293.2 ALF 140.19

LAUNCH DATE DEC 28 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 278.047

RL 147.12 LAL .00 LOL 96.05 VL 29.137 GAL -12.55 AZL 87.80 MCA 131.17 SMA 138.93 ECC .22471 INC 2.1971 V1 30.283
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.678 GAP 2.52 AZP 91.45 TAL 242.62 TAP 13.80 RCA 107.71 APO 170.15 V2 34.996
 RC 93.279 GL 9.46 GP 14.65 ZAL 161.01 ZAP 111.20 ETS 3.11 ZAE 151.42 ETE 160.41 ZAC 28.89 ETC 174.31 CLP -111.95

PLANETOCENTRIC CONIC

C3 44.029 VHL 6.635 DLA -12.21 RAL 292.81 RAD 6568.7 VEL 12.861 PTH 2.34 VHP 4.046 DPA -8.67 RAP 295.54 ECC 1.7246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 48 2021.49 -14.46 29.61 165.10 114.61 2 36 29 1421.5 -11.02 22.62
 90.00 10 51 51 5443.68 28.19 250.75 173.16 87.18 12 22 35 4843.7 27.50 242.15
 100.00 3 17 54 1779.20 -15.81 11.14 164.44 115.70 3 47 33 1179.2 -12.22 4.19
 100.00 12 19 27 5161.20 29.67 229.88 173.07 86.21 13 45 28 4561.2 28.83 221.17
 110.00 4 12 2 1609.70 -19.35 356.37 162.53 118.74 4 38 52 1009.7 -15.37 349.52
 110.00 13 41 47 4903.53 33.64 209.89 172.65 85.53 15 3 31 4303.5 32.38 200.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0099 TRA-1.3609 TC3 -.6827 BAU .4175 SGT 1505.4 SGR 447.4 SG3 316.6 ST 361.8 SR 312.2 S5 179.5
 RDE -.3546 RRA .2292 RC3 .1927 FAU .12780 RRT -.7094 RRF -.7477 RTF .8753 CRT -.2191 CRS .6053 CST -.8998
 FDE .2606 FRA-1.6996 FC3-2.5128 B3P 4371 SGB 1570.5 R23 .1411 R13 -.8824 LSA 419.3 MSA 290.5 S5A 20.2
 BDE .3547 BRA 1.3800 BC3 .7093 F3P -1008 SGI 1540.0 SG2 308.2 THA 167.59 EL1 379.6 EL2 290.4 ALF 152.01

LAUNCH DATE DEC 28 1965

FLIGHT TIME 94.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 284.191

RL 147.12 LAL .00 LOL 96.05 VL 29.074 GAL -12.37 AZL 87.92 MCA 134.37 SMA 138.40 ECC .22283 INC 2.0787 V1 30.283
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.619 GAP 2.89 A7P 91.45 TAL 241.61 TAP 15.99 RCA 107.56 APO 169.24 V2 34.983
 RC 95.821 GL 9.06 GP 15.19 ZAL 160.69 ZAP 114.69 ETS 4.44 ZAE 149.00 ETE 160.87 ZAC 28.39 ETC 175.38 CLP-115.65

PLANETOCENTRIC CONIC

C3 42.781 VML 6.541 DLA -12.51 RAL 293.47 RAD 6568.6 VEL 12.812 PTH 2.33 VMP 4.106 OPA -8.20 RAP 294.99 ECC 1.7041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 57 2004.10 -13.97 28.58 165.28 114.88 2 41 21 1404.1 -10.50 21.62
 90.00 10 51 55 5446.59 28.20 250.96 173.41 87.28 12 22 42 4846.6 27.52 242.36
 100.00 3 22 51 1762.42 -15.31 10.15 164.62 115.99 3 52 14 1162.4 -11.69 3.22
 100.00 12 19 42 5163.50 29.68 230.05 173.31 86.30 13 45 45 4563.5 28.85 221.34
 110.00 4 16 35 1594.13 -18.84 355.46 162.70 119.06 4 43 10 994.1 -14.82 348.64
 110.00 13 42 27 4904.55 33.65 209.97 172.90 83.57 15 4 12 4304.6 32.39 200.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0022 TRA-1.4245 TC3 -.7672 BAU .4546 SGT 1625.1 SGR 447.9 SG3 310.0 ST 384.6 SR 297.5 S5 171.6
 RDE -.3322 RRA .2280 RC3 .2081 FAU .12395 RRT -.7354 RRF -.7742 RTF .8804 CRT -.2127 CRS .5822 CST -.9083
 FDE .2215 FRA-1.6049 FC3-2.5082 BSP 4789 SGB 1685.7 R23 .1539 R13 -.8868 LSA 430.2 MSA 283.5 SSA 20.2
 BDE .3322 BRA 1.4426 BC3 .7949 FSP -.993 SGI 1659.3 SG2 297.3 THA 168.16 EL1 395.8 EL2 282.5 ALF 160.35

LAUNCH DATE DEC 28 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 290.306

RL 147.12 LAL .00 LOL 96.05 VL 29.010 GAL -12.18 AZL 88.05 MCA 137.57 SMA 137.86 ECC .22100 INC 1.9467 V1 30.283
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.558 GAP 3.25 A7P 91.44 TAL 240.55 TAP 18.11 RCA 107.39 APO 168.33 V2 34.970
 RC 97.969 GL 8.60 GP 15.81 ZAL 160.33 ZAP 117.90 ETS 5.88 ZAE 146.75 ETE 161.09 ZAC 28.13 ETC 176.56 CLP-119.10

PLANETOCENTRIC CONIC

C3 41.520 VML 6.444 DLA -12.87 RAL 294.17 RAD 6568.6 VEL 12.763 PTH 2.32 VMP 4.175 OPA -7.62 RAP 294.66 ECC 1.6833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 50 1984.40 -13.40 27.41 165.51 115.18 2 46 54 1384.4 -9.90 20.48
 90.00 10 51 42 5451.19 28.21 251.30 173.70 87.45 12 22 33 4851.2 27.56 242.70
 100.00 3 28 31 1743.45 -14.74 9.03 164.84 116.30 3 57 34 1143.5 -11.09 2.14
 100.00 12 19 42 5167.37 29.70 230.33 173.61 86.45 13 45 49 4567.4 28.89 221.62
 110.00 4 21 45 1576.70 -18.26 354.44 162.90 119.41 4 48 2 976.7 -14.20 347.67
 110.00 13 42 57 4906.89 33.66 210.15 173.21 83.68 15 4 44 4306.9 32.42 201.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0095 TRA-1.4827 TC3 -.8538 BAU .4900 SGT 1743.5 SGR 448.7 SG3 301.8 ST 407.1 SR 281.8 S5 163.2
 RDE -.3091 RRA .2253 RC3 .2243 FAU .11946 RRT -.7589 RRF -.8002 RTF .8835 CRT -.2003 CRS .5592 CST -.9137
 FDE .1847 FRA-1.4996 FC3-2.4909 BSP 5182 SGB 1800.3 R23 .1705 R13 -.8894 LSA 443.4 MSA 273.5 SSA 20.2
 BDE .3092 BRA 1.4997 BC3 .8828 FSP -.963 SGI 1777.3 SG2 286.6 THA 168.65 EL1 414.1 EL2 271.4 ALF 165.99

LAUNCH DATE DEC 28 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 296.392

RL 147.12 LAL .00 LOL 96.05 VL 28.943 GAL -11.99 AZL 88.20 MCA 140.78 SMA 137.31 ECC .21922 INC 1.7976 V1 30.283
 RP 108.41 LAP 1.14 LOP 236.83 VP 38.496 GAP 3.59 A7P 91.39 TAL 239.42 TAP 20.18 RCA 107.21 APO 167.41 V2 34.957
 RC 100.323 GL 8.05 GP 16.54 ZAL 159.94 ZAP 120.85 ETS 7.46 ZAE 144.65 ETE 161.07 ZAC 28.09 ETC 177.93 CLP-122.34

PLANETOCENTRIC CONIC

C3 40.247 VML 6.344 DLA -13.30 RAL 294.94 RAD 6568.5 VEL 12.713 PTH 2.31 VMP 4.253 OPA -6.90 RAP 294.53 ECC 1.6824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 37 1961.74 -12.74 26.07 165.78 115.50 2 53 19 1361.7 -9.20 19.18
 90.00 10 51 2 5458.14 28.23 251.81 174.07 87.70 12 22 0 4858.1 27.61 243.20
 100.00 3 35 1 1721.70 -14.08 7.75 165.10 116.64 4 3 43 1121.7 -10.39 .90
 100.00 12 19 19 5173.42 29.72 230.78 173.99 86.68 13 45 32 4573.4 28.95 222.06
 110.00 4 27 39 1556.85 -17.59 353.28 163.14 119.79 4 53 36 956.8 -13.50 346.57
 110.00 13 43 10 4911.03 33.69 210.47 173.60 83.86 15 5 1 4311.0 32.48 201.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0274 TRA-1.5363 TC3 -.9444 BAU .5246 SGT 1862.5 SGR 450.5 SG3 293.4 ST 429.9 SR 264.3 S5 154.0
 RDE -.2843 RRA .2219 RC3 .2425 FAU .11491 RRT -.7816 RRF -.8263 RTF .8857 CRT -.1795 CRS .5171 CST -.9234
 FDE .1398 FRA-1.3953 FC3-2.4718 BSP 5596 SGB 1916.2 R23 .1899 R13 -.8914 LSA 458.6 MSA 280.2 SSA 20.3
 BDE .2856 BRA 1.5522 BC3 .9750 FSP -.941 SGI 1896.3 SG2 276.1 THA 169.06 EL1 434.0 EL2 257.5 ALF 170.24

LAUNCH DATE DEC 28 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 302.453

RL 147.12 LAL .00 LOL 96.05 VL 28.874 GAL -11.80 AZL 88.37 MCA 143.95 SMA 136.75 ECC .21748 INC 1.6268 V1 30.283
 RP 108.44 LAP .96 LOP 240.01 VP 38.433 GAP 3.91 A7P 91.32 TAL 238.25 TAP 22.20 RCA 107.01 APO 166.49 V2 34.945
 RC 102.682 GL 7.39 GP 17.41 ZAL 159.53 ZAP 123.53 ETS 9.23 ZAE 142.67 ETE 160.83 ZAC 28.26 ETC 179.49 CLP-125.37

PLANETOCENTRIC CONIC

C3 38.965 VML 6.242 DLA -13.83 RAL 295.77 RAD 6568.5 VEL 12.662 PTH 2.30 VMP 4.341 OPA -6.01 RAP 294.57 ECC 1.6413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 35 1935.20 -11.96 24.51 166.11 115.86 3 0 51 1335.2 -8.38 17.66
 90.00 10 49 42 5468.33 28.26 252.55 174.53 88.08 12 20 50 4868.3 27.69 243.93
 100.00 3 42 38 1696.30 -13.30 6.27 165.42 117.02 4 10 54 1096.3 -9.57 359.46
 100.00 12 18 21 5182.46 29.76 231.45 174.45 87.03 13 44 43 4582.5 29.03 222.72
 110.00 4 34 30 1533.84 -16.81 351.96 163.44 120.21 5 0 4 933.8 -12.67 345.30
 110.00 13 42 58 4917.68 33.74 210.99 174.09 84.16 15 4 56 4317.7 32.57 201.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0520 TRA-1.5858 TC3-1.0387 BAU .5581 SGT 1981.2 SGR 453.9 SG3 284.3 ST 453.3 SR 245.1 S5 144.8
 RDE -.2583 RRA .2174 RC3 .2628 FAU .11015 RRT -.8026 RRF -.8520 RTF .8870 CRT -.1508 CRS .4570 CST -.9358
 FDE .0910 FRA-1.2892 FC3-2.4473 BSP 6007 SGB 2032.5 R23 .2129 R13 -.8925 LSA 476.1 MSA 243.9 SSA 20.4
 BDE .2635 BRA 1.5988 BC3 1.0714 FSP -.916 SGI 2015.0 SG2 266.3 THA 169.39 EL1 455.4 EL2 241.2 ALF 173.51

LAUNCH DATE DEC 28 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 308.489

RL 147.12 LAL .00 LOL 96.05 VL 28.804 GAL -11.59 AZL 88.57 HCA 147.13 SMA 136.18 ECC .21579 INC 1.4277 V1 30.283
 RP 108.48 LAP .77 LOP 243.20 VP 38.369 GAP 4.22 AZP 91.20 TAL 237.03 TAP 24.17 RCA 106.80 APO 165.57 V2 34.932
 RC 105.043 GL 6.58 GP 18.46 ZAL 159.08 ZAP 125.93 ETS 11.24 ZAE 140.80 ETE 160.36 ZAC 28.65 ETC 181.30 CLP-128.22

PLANETOCENTRIC CONIC

C3 37.676 VHL 6.138 DLA -14.49 RAL 296.68 RAD 6568.5 VEL 12.611 PTH 2.29 VHP 4.438 DPA -4.93 RAP 294.77 ECC 1.6200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 7 1903.46 -11.01 22.67 166.51 116.25 3 9 50 1303.5 -7.39 15.85
 90.00 10 47 25 5483.05 28.29 253.63 175.09 88.62 12 18 48 4883.1 27.79 245.00
 100.00 3 51 42 1666.05 -12.36 4.51 165.82 117.43 4 19 28 1066.1 -8.59 357.76
 100.00 12 16 31 5195.70 29.80 232.43 175.03 87.55 13 43 7 4595.7 29.14 223.69
 110.00 4 42 35 1506.67 -15.87 350.41 163.80 120.68 5 7 41 906.7 -11.69 343.81
 110.00 13 42 7 4927.84 33.81 211.77 174.71 84.62 15 4 15 4327.8 32.70 202.71

DIFFERENTIAL CORRECTIONS

TDE -.0836 TRA-1.6229 TC3-1.1361 BAU .5900
 RDE -.2313 RRA .2111 RC3 .2851 FAU .10499
 FDE .0419 FRA-1.1763 FC3-2.4126 BSP 6389
 BOE .2459 BRA 1.6366 BC3 1.1713 FSP -880

MID-COURSE EXECUTION ACCURACY

SGT 2097.5 SGR 458.9 SG3 274.0
 RRT -.8206 RRF -.8767 RTF .8872
 SGB 2147.1 R23 .2405 R13 -.8927
 SG1 2131.6 SG2 258.0 TMA 169.67

ORBIT DETERMINATION ACCURACY

ST 477.7 SR 224.6 SS 135.7
 CRT -.1143 CRS .3794 CST -.9489
 LSA 496.0 MSA 224.9 SSA 20.6
 EL1 478.6 EL2 222.7 ALF 176.07

LAUNCH DATE DEC 28 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 314.502

RL 147.12 LAL .00 LOL 96.05 VL 28.733 GAL -11.38 AZL 88.81 HCA 150.32 SMA 135.61 ECC .21416 INC 1.1914 V1 30.283
 RP 108.52 LAP .59 LOP 246.38 VP 38.305 GAP 4.52 AZP 91.04 TAL 235.77 TAP 26.09 RCA 106.57 APO 164.66 V2 34.920
 RC 107.406 GL 5.57 GP 19.76 ZAL 158.60 ZAP 128.03 ETS 13.55 ZAE 138.99 ETE 159.63 ZAC 29.25 ETC 183.38 CLP-130.89

PLANETOCENTRIC CONIC

C3 36.384 VHL 6.032 DLA -15.34 RAL 297.68 RAD 6568.4 VEL 12.560 PTH 2.28 VHP 4.547 DPA -3.58 RAP 295.09 ECC 1.5988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 47 1864.59 -9.83 20.42 167.03 116.69 3 20 51 1264.6 -6.17 15.65
 90.00 10 43 41 5504.30 28.31 255.18 175.80 89.39 12 15 25 4904.3 27.93 246.54
 100.00 4 2 44 1629.18 -11.19 2.40 166.31 117.90 4 29 53 1029.2 -7.38 355.69
 100.00 12 13 24 5214.94 29.85 233.86 175.76 88.30 13 40 19 4614.9 29.29 225.10
 110.00 4 52 19 1473.88 -14.72 348.56 164.26 121.20 5 16 53 873.9 -10.48 342.03
 110.00 13 40 19 4943.01 33.90 212.95 175.50 85.31 15 2 42 4343.0 32.88 203.86

DIFFERENTIAL CORRECTIONS

TDE -.1286 TRA-1.6545 TC3-1.2393 BAU .6216
 RDE -.2019 RRA .2039 RC3 .3113 FAU .09985
 FDE -.0178 FRA-1.0668 FC3-2.3759 BSP 6794
 BOE .2383 BRA 1.6670 BC3 1.2778 FSP -850

MID-COURSE EXECUTION ACCURACY

SGT 2214.8 SGR 467.1 SG3 263.7
 RRT -.8368 RRF -.9006 RTF .8873
 SGB 2263.5 R23 .2710 R13 -.8929
 SG1 2249.5 SG2 251.8 TMA 169.86

ORBIT DETERMINATION ACCURACY

ST 505.4 SR 201.4 SS 128.5
 CRT -.0677 CRS .2538 CST -.9675
 LSA 520.8 MSA 202.0 SSA 20.9
 EL1 505.7 EL2 200.8 ALF 178.17

LAUNCH DATE DEC 28 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 320.493

RL 147.12 LAL .00 LOL 96.05 VL 28.661 GAL -11.17 AZL 89.10 HCA 153.50 SMA 135.04 ECC .21259 INC .9042 V1 30.283
 RP 108.56 LAP .40 LOP 249.56 VP 38.240 GAP 4.80 AZP 90.81 TAL 234.47 TAP 27.97 RCA 106.33 APO 163.75 V2 34.909
 RC 109.770 GL 4.30 GP 21.37 ZAL 158.06 ZAP 129.79 ETS 16.26 ZAE 137.18 ETE 158.62 ZAC 30.07 ETC 185.83 CLP-133.41

PLANETOCENTRIC CONIC

C3 35.100 VHL 5.924 DLA -16.43 RAL 298.78 RAD 6568.4 VEL 12.509 PTH 2.26 VHP 4.672 DPA -1.90 RAP 295.49 ECC 1.5777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 31 1815.53 -8.32 17.61 167.71 117.17 3 34 46 1215.5 -4.61 10.89
 90.00 10 37 45 5535.20 28.31 257.44 176.70 90.53 12 10 0 4935.2 28.09 248.78
 100.00 4 16 36 1582.90 -9.71 359.77 166.96 118.41 4 42 59 982.9 -5.84 353.12
 100.00 12 8 20 5243.05 29.89 235.95 176.70 89.40 13 35 43 4643.1 29.48 227.17
 110.00 5 4 23 1433.23 -13.28 346.30 164.85 121.79 5 28 16 833.2 -8.98 339.84
 110.00 13 37 3 4965.49 34.01 214.69 176.52 86.34 14 59 49 4365.5 33.13 205.56

DIFFERENTIAL CORRECTIONS

TDE -.1824 TRA-1.6745 TC3-1.3465 BAU .6518
 RDE -.1706 RRA .1942 RC3 .3411 FAU .09430
 FDE -.0821 FRA -.9502 FC3-2.3260 BSP 7174
 BOE .2497 BRA 1.6857 BC3 1.3891 FSP -811

MID-COURSE EXECUTION ACCURACY

SGT 2329.7 SGR 478.5 SG3 252.2
 RRT -.8491 RRF -.9226 RTF .8866
 SGB 2378.3 R23 .3049 R13 -.8924
 SG1 2365.2 SG2 249.0 TMA 170.00

ORBIT DETERMINATION ACCURACY

ST 538.5 SR 175.5 SS 124.9
 CRT -.0131 CRS .0882 CST -.9815
 LSA 552.3 MSA 175.8 SSA 21.4
 EL1 538.5 EL2 175.5 ALF 179.73

LAUNCH DATE DEC 28 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 326.463

RL 147.12 LAL .00 LOL 96.05 VL 28.588 GAL -10.94 AZL 89.45 HCA 156.68 SMA 134.47 ECC .21108 INC .5452 V1 30.283
 RP 108.59 LAP .22 LOP 252.73 VP 38.175 GAP 5.07 AZP 90.50 TAL 233.12 TAP 29.81 RCA 106.09 APO 162.86 V2 34.897
 RC 112.133 GL 2.63 GP 23.42 ZAL 157.44 ZAP 131.14 ETS 19.48 ZAE 135.31 ETE 157.27 ZAC 31.14 ETC 188.72 CLP-135.81

PLANETOCENTRIC CONIC

C3 33.841 VHL 5.817 DLA -17.89 RAL 300.03 RAD 6568.3 VEL 12.458 PTH 2.25 VHP 4.817 DPA .23 RAP 295.93 ECC 1.5569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 56 1751.15 -6.30 13.96 168.65 117.66 3 53 7 1151.1 -2.54 7.29
 90.00 10 28 17 5581.14 28.24 260.80 177.88 92.21 12 1 18 4981.1 28.25 252.14
 100.00 4 34 44 1522.68 -7.74 356.38 167.87 118.96 5 0 7 922.7 -3.82 349.79
 100.00 12 0 10 5284.84 29.88 239.06 177.93 91.03 13 28 14 4684.8 29.70 230.26
 110.00 5 19 54 1381.17 -11.39 343.45 165.67 122.45 5 42 55 781.2 -7.03 337.07
 110.00 13 31 29 4999.11 34.13 217.31 177.88 87.89 14 54 48 4399.1 33.46 208.13

DIFFERENTIAL CORRECTIONS

TDE -.2588 TRA-1.6825 TC3-1.4603 BAU .6823
 RDE -.1349 RRA .1826 RC3 .3767 FAU .08860
 FDE -.1617 FRA -.8349 FC3-2.2665 BSP 7583
 BOE .2919 BRA 1.6924 BC3 1.5081 FSP -775

MID-COURSE EXECUTION ACCURACY

SGT 2446.3 SGR 495.4 SG3 240.2
 RRT -.8580 RRF -.9425 RTF .8862
 SGB 2495.9 R23 .3388 R13 -.8923
 SG1 2483.3 SG2 250.7 TMA 170.04

ORBIT DETERMINATION ACCURACY

ST 583.5 SR 145.1 SS 130.8
 CRT .0423 CRS -.1188 CST -.9816
 LSA 597.6 MSA 145.2 SSA 22.3
 EL1 583.6 EL2 144.9 ALF .64

LAUNCH DATE DEC 28 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 332.414

RL 147.12 LAL .00 LOL 96.05 VL 28.515 GAL -10.71 AZL 89.92 MCA 159.86 SMA 133.91 ECC .20963 INC .0788 V1 30.283
 RP 108.63 LAP .03 LOP 255.91 VP 38.110 GAP 5.33 ATP 90.08 TAL 231.75 TAP 31.60 RCA 105.84 APO 161.98 V2 34.886
 RC 114.493 GL .39 GP 26.08 ZAL 156.64 ZAP 131.97 ETS 23.33 ZAE 133.26 ETE 155.51 ZAC 32.52 ETC 192.21 CLP-138.12

PLANETOCENTRIC CONIC

C3 32.648 VML 5.714 DLA -19.89 RAL 301.48 RAD 6568.3 VEL 12.410 PTH 2.24 VMP 4.997 DPA 2.97 RAP 296.34 ECC 1.5373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 51 10 1661.83 -3.45 8.94 170.09 118.12 4 18 52 1061.8 .34 2.30
 90.00 10 12 37 5652.37 27.94 265.99 179.44 94.79 11 46 50 5052.4 28.31 257.34
 100.00 4 59 51 1440.21 -5.00 351.79 169.24 119.51 5 23 51 840.2 -1.03 345.25
 100.00 11 46 38 5349.22 29.70 243.84 179.59 93.54 13 15 47 4749.2 29.88 235.04
 110.00 5 40 54 1311.57 -8.83 339.69 166.89 123.16 6 2 45 711.6 -4.40 335.40
 110.00 13 22 5 5050.62 34.18 221.33 179.76 90.27 14 46 15 4450.6 33.84 212.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3639 TRA-1.6728 TC3-1.5777 BAU .7124 SGT 2562.4 SGR 518.8 SG3 226.5 ST 650.0 SR 108.6 SS 152.0
 RDE -.0931 RRA .1672 RC3 .4184 FAU .08234 RRT -.8621 RRF -.9594 RTF .8859 CRT .0664 CRS -.2810 CST -.9620
 FDE -.2566 FRA -.7138 FC3-2.1834 BSP 7995 SGB 2614.3 R23 .3706 R13 -.8925 LSA 666.3 MSA 113.2 SSA 23.4
 BDE .3756 BRA 1.6811 BC3 1.6322 FSP -735 SG1 2601.5 SG2 258.9 THA 170.00 EL1 650.0 EL2 108.3 ALF .65

LAUNCH DATE DEC 28 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 338.345

RL 147.12 LAL .00 LOL 96.05 VL 28.442 GAL -10.47 AZL 90.55 MCA 163.03 SMA 133.34 ECC .20825 INC .5497 V1 30.283
 RP 108.66 LAP -.16 LOP 259.08 VP 38.046 GAP 5.57 ATP 89.47 TAL 230.33 TAP 33.36 RCA 105.57 APO 161.11 V2 34.875
 RC 116.852 GL -2.74 GP 29.60 ZAL 155.49 ZAP 132.05 ETS 28.01 ZAE 130.83 ETE 155.28 ZAC 34.33 ETC 196.49 CLP-140.39

PLANETOCENTRIC CONIC

C3 31.614 VML 5.623 DLA -22.74 RAL 303.25 RAD 6568.3 VEL 12.369 PTH 2.23 VMP 5.235 DPA 6.58 RAP 296.61 ECC 1.5203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 36 1525.50 .95 1.33 172.55 118.30 4 59 1 925.5 4.72 354.68
 90.00 9 44 21 5772.49 26.96 274.64 181.50 99.02 11 20 34 5172.5 27.93 266.11
 100.00 5 37 59 1317.68 -.86 345.05 171.54 119.88 5 59 57 717.7 5.12 338.53
 100.00 11 22 39 5455.54 29.00 251.66 181.84 97.60 12 53 35 4855.5 29.75 242.93
 110.00 6 11 31 1212.56 -5.10 334.45 168.90 123.85 6 31 44 612.6 -.62 328.23
 110.00 13 5 37 5133.43 33.97 227.79 182.44 94.08 14 31 10 4533.4 34.16 218.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5129 TRA-1.6363 TC3-1.6912 BAU .7413 SGT 2675.5 SGR 548.7 SG3 209.7 ST 755.4 SR 66.0 SS 193.6
 RDE -.0418 RRA .1448 RC3 .4652 FAU .07501 RRT -.8596 RRF -.9726 RTF .8856 CRT -.0939 CRS -.2004 CST -.9430
 FDE -.3688 FRA -.5809 FC3-2.0541 BSP 8369 SGB 2731.2 R23 .3976 R13 -.8929 LSA 777.3 MSA 87.9 SSA 22.9
 BDE .5146 BRA 1.6427 BC3 1.7540 FSP -679 SG1 2717.2 SG2 276.1 THA 169.90 EL1 755.4 EL2 65.7 ALF 179.53

LAUNCH DATE DEC 28 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 344.257

RL 147.12 LAL .00 LOL 96.05 VL 28.368 GAL -10.23 AZL 91.46 MCA 166.20 SMA 132.78 ECC .20694 INC 1.4582 V1 30.283
 RP 108.69 LAP -.35 LOP 262.25 VP 37.981 GAP 5.81 ATP 88.58 TAL 228.89 TAP 35.08 RCA 105.31 APO 160.26 V2 34.865
 RC 119.206 GL -7.34 GP 34.43 ZAL 153.55 ZAP 131.02 ETS 33.69 ZAE 127.69 ETE 150.49 ZAC 36.81 ETC 201.84 CLP-142.72

PLANETOCENTRIC CONIC

C3 30.982 VML 5.566 DLA -26.96 RAL 305.60 RAD 6568.2 VEL 12.343 PTH 2.23 VMP 5.584 DPA 11.46 RAP 296.56 ECC 1.5099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 36 1250.73 9.65 345.83 177.96 116.75 6 22 26 650.7 13.17 338.92
 90.00 8 35 3 749.07 22.82 314.98 183.48 107.23 8 47 32 149.1 24.97 306.97
 100.00 6 48 59 1097.65 6.56 332.93 176.30 119.23 7 7 16 497.6 10.41 326.26
 100.00 10 30 21 5665.42 26.18 266.60 184.55 104.96 12 4 47 5065.4 27.98 258.26
 110.00 7 2 24 1055.50 .89 326.24 172.79 124.17 7 20 0 455.5 5.37 320.01
 110.00 12 33 25 5280.34 32.68 239.05 186.24 100.62 14 1 25 4680.3 33.80 230.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7423 TRA-1.5606 TC3-1.7867 BAU .7701 SGT 2790.8 SGR 588.1 SG3 189.2 ST 938.0 SR 52.0 SS 266.4
 RDE .0292 RRA .1119 RC3 .5147 FAU .06635 RRT -.8502 RRF -.9814 RTF .8871 CRT -.9220 CRS .7944 CST -.9436
 FDE -.5122 FRA -.4385 FC3-1.8539 BSP 8774 SGB 2852.1 R23 .4142 R13 -.8954 LSA 972.5 MSA 86.2 SSA 16.0
 BDE .7429 BRA 1.5646 BC3 1.8593 FSP -616 SG1 2835.7 SG2 304.7 THA 169.72 EL1 939.2 EL2 20.1 ALF 177.07

LAUNCH DATE DEC 28 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 350.148

RL 147.12 LAL .00 LOL 96.05 VL 28.294 GAL -9.98 AZL 92.89 MCA 169.36 SMA 132.23 ECC .20569 INC 2.8942 V1 30.283
 RP 108.72 LAP -.53 LOP 265.42 VP 37.917 GAP 6.03 ATP 87.16 TAL 227.41 TAP 36.77 RCA 105.03 APO 159.43 V2 34.856
 RC 121.557 GL -14.52 GP 41.29 ZAL 149.75 ZAP 128.21 ETS 40.58 ZAE 123.21 ETE 147.25 ZAC 40.41 ETC 208.64 CLP-145.41

PLANETOCENTRIC CONIC

C3 31.493 VML 5.612 DLA -33.60 RAL 309.14 RAD 6568.3 VEL 12.364 PTH 2.23 VMP 6.169 DPA 18.28 RAP 295.79 ECC 1.5183
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.10 5 9 29 1459.73 19.68 6.61 186.55 117.80 5 33 49 859.7 23.24 359.33
 108.90 9 55 24 5836.33 19.69 276.66 186.56 117.79 11 32 40 5236.3 23.25 269.38
 71.10 5 9 29 1459.73 19.68 6.61 186.55 117.80 5 33 49 859.7 23.24 359.33
 108.90 9 55 24 5836.33 19.69 276.66 186.56 117.79 11 32 40 5236.3 23.25 269.38
 110.00 9 14 26 673.68 15.08 305.77 183.83 121.05 9 25 39 73.7 19.08 298.94
 110.00 10 49 38 5670.38 24.43 266.28 189.08 114.68 12 24 8 5070.4 27.55 258.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1308 TRA-1.4127 TC3-1.8115 BAU .7967 SGT 2909.6 SGR 633.0 SG3 162.2 ST 1267.5 SR 142.1 SS 380.4
 RDE .1365 RRA .0562 RC3 .5467 FAU .05531 RRT -.8295 RRF -.9835 RTF .8924 CRT -.9593 CRS .9983 CST -.9614
 FDE -.6899 FRA -.2790 FC3-1.5206 BSP 9207 SGB 2977.7 R23 .4162 R13 -.9016 LSA 1326.6 MSA 106.8 SSA 7.7
 BDE 1.1390 BRA 1.4139 BC3 1.8922 FSP -533 SG1 2957.3 SG2 347.8 THA 169.63 EL1 1274.8 EL2 39.9 ALF 173.86

LAUNCH DATE DEC 28 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 356.013

RL 147.12 LAL .00 LOL 96.05 VL 28.221 GAL -9.72 AZL 95.52 MCA 172.50 SMA 131.69 ECC .20449 INC 5.5193 V1 30.283
 RP 108.75 LAP -.72 LOP 268.59 VP 37.854 GAP 6.25 AZP 84.53 TAL 225.90 TAP 38.40 RCA 104.76 APO 158.61 V2 34.846
 RC 123.903 GL -26.46 GP 51.35 ZAL 141.62 ZAP 122.52 ETS 49.07 ZAE 116.17 ETE 144.31 ZAC 45.98 ETC 217.60 CLP-149.40

PLANETOCENTRIC CONIC

C3 38.081 VHL 6.005 DLA -44.49 RAL 315.94 RAD 6568.4 VEL 12.547 PTH 2.27 VMP 7.363 DPA 28.10 RAP 293.31 ECC 1.5935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.13 4 13 13 1734.54 23.80 32.26 199.24 128.77 4 42 7 1134.5 28.64 25.58
 125.87 11 45 57 5629.84 23.81 262.51 199.25 128.76 13 19 46 5029.8 28.65 255.82
 54.13 4 13 13 1734.54 23.80 32.26 199.24 128.77 4 42 7 1134.5 28.64 25.58
 125.87 11 45 57 5629.84 23.81 262.51 199.25 128.76 13 19 46 5029.8 28.65 255.82
 54.13 4 13 13 1734.54 23.80 32.26 199.24 128.77 4 42 7 1134.5 28.64 25.58
 125.87 11 45 57 5629.84 23.81 262.51 199.25 128.76 13 19 46 5029.8 28.65 255.82

DIFFERENTIAL CORRECTIONS

TDE -1.9071 TRA -1.0956 TC3 -1.6053 BAU .8089
 RDE .3036 RRA -.0547 RC3 .4882 FAU .04067
 FDE -.8986 FRA -.0930 FC3 -.9764 BSP 9588
 BDE 1.9311 BRA 1.0970 BC3 1.6779 FSP -413

MID-COURSE EXECUTION ACCURACY

SGT 3029.1 SGR 658.1 SG3 126.0
 RRT -.7778 RRF -.9659 RTF .9068
 SGB 3099.7 R23 .3938 R13 -.9160
 SG1 3072.8 SG2 407.8 TMA 170.24

ORBIT DETERMINATION ACCURACY

ST 1872.8 SR 291.0 SS 546.5
 CRT -.9512 CRS .9927 CST -.9814
 LSA 1968.1 MSA 131.8 SSA 3.1
 EL1 1893.2 EL2 88.8 ALF 171.57

LAUNCH DATE DEC 28 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 361.827

RL 147.12 LAL .00 LOL 96.05 VL 28.147 GAL -9.44 AZL 101.86 MCA 175.61 SMA 131.15 ECC .20327 INC11.8632 V1 30.283
 RP 108.78 LAP -.90 LOP 271.76 VP 37.791 GAP 6.44 AZP 78.17 TAL 224.34 TAP 39.95 RCA 104.49 APO 157.81 V2 34.838
 RC 126.245 GL -45.96 GP 66.13 ZAL 125.06 ZAP 112.48 ETS 62.83 ZAE 104.04 ETE 146.89 ZAC 54.64 ETC 232.81 CLP-160.88

PLANETOCENTRIC CONIC

C3 63.059 VHL 7.941 DLA -60.49 RAL 336.02 RAD 6569.2 VEL 13.580 PTH 2.48 VMP 10.699 DPA 42.04 RAP 285.35 ECC 2.0378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.02 4 31 28 2014.40 22.16 59.96 232.69 147.87 5 5 2 1414.4 28.86 55.53
 145.98 14 7 56 5628.54 22.17 260.36 232.70 147.87 15 41 45 5028.5 28.87 255.93
 34.02 4 31 28 2014.40 22.16 59.96 232.69 147.87 5 5 2 1414.4 28.86 55.53
 145.98 14 7 56 5628.54 22.17 260.36 232.70 147.87 15 41 45 5028.5 28.87 255.93
 34.02 4 31 28 2014.40 22.16 59.96 232.69 147.87 5 5 2 1414.4 28.86 55.53
 145.98 14 7 56 5628.54 22.17 260.36 232.70 147.87 15 41 45 5028.5 28.87 255.93

DIFFERENTIAL CORRECTIONS

TDE -3.9505 TRA -.2112 TC3 -.8585 BAU .7411
 RDE .2354 RRA -.2716 RC3 .1892 FAU .02251
 FDE -1.1226 FRA .1308 FC3 -.3090 BSP 10068
 BDE 3.9575 BRA .3441 BC3 .8791 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 3174.8 SGR 526.7 SG3 83.5
 RRT -.4609 RRF -.7099 RTF .9514
 SGB 3218.2 R23 .2949 R13 -.9548
 SG1 3184.3 SG2 466.1 TMA 175.53

ORBIT DETERMINATION ACCURACY

ST 2852.2 SR 207.8 SS 750.8
 CRT -.7988 CRS .8567 CST -.9947
 LSA 2953.1 MSA 144.7 SSA 1.0
 EL1 2857.0 EL2 124.8 ALF 176.66

LAUNCH DATE DEC 28 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 367.345

RL 147.12 LAL .00 LOL 96.05 VL 28.074 GAL -9.09 AZL 133.74 MCA 178.44 SMA 130.62 ECC .20136 INC43.7431 V1 30.283
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.729 GAP 6.55 AZP 46.27 TAL 222.63 TAP 41.06 RCA 104.32 APO 156.92 V2 34.830
 RC 128.581 GL -59.80 GP 69.69 ZAL 101.40 ZAP 98.20 ETS 149.59 ZAE 76.09 ETE 225.31 ZAC 65.31 ETC 324.93 CLP 114.26

PLANETOCENTRIC CONIC

C3 491.782 VHL 22.176 DLA -58.40 RAL 23.43 RAD 6572.3 VEL 24.760 PTH 3.33 VMP 29.207 DPA 53.14 RAP 245.52 ECC 9.0935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.52 7 46 56 2341.42 2.22 68.95 292.04 148.38 8 25 57 1741.4 9.02 65.13
 143.48 17 10 39 691.37 2.23 294.55 292.07 148.38 17 22 11 91.4 9.03 290.73
 36.52 7 46 56 2341.42 2.22 68.95 292.04 148.38 8 25 57 1741.4 9.02 65.13
 143.48 17 10 39 691.37 2.23 294.55 292.07 148.38 17 22 11 91.4 9.03 290.73
 36.52 7 46 56 2341.42 2.22 68.95 292.04 148.38 8 25 57 1741.4 9.02 65.13
 143.48 17 10 39 691.37 2.23 294.55 292.07 148.38 17 22 11 91.4 9.03 290.73

DIFFERENTIAL CORRECTIONS

TDE .4799 TRA 1.5364 TC3 -.0132 BAU .8284
 RDE .75990 RRA 4.5372 RC3 .1253 FAU -.01045
 FDE -1.2020 FRA -.9379 FC3 .0184 BSP 9642
 BDE 7.6141 BRA 4.7903 BC3 .1260 FSP -157

MID-COURSE EXECUTION ACCURACY

SGT 769.9 SGR 3028.1 SG3 48.6
 RRT .6087 RRF .9912 RTF .7085
 SGB 3124.5 R23 -.1010 R13 .9949
 SG1 3065.7 SG2 603.4 TMA 80.84

ORBIT DETERMINATION ACCURACY

ST 258.9 SR 2075.0 SS 858.4
 CRT -.1692 CRS -.9959 CST .0792
 LSA 2244.7 MSA 265.6 SSA .6
 EL1 2075.4 EL2 255.1 ALF 91.23

LAUNCH DATE DEC 28 1965

FLIGHT TIME 124.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 373.989

RL 147.12 LAL .00 LOL 96.05 VL 28.001 GAL -8.99 AZL 58.29 MCA 182.39 SMA 130.09 ECC .20272 INC31.7105 V1 30.283
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.668 GAP 6.98 AZP 121.69 TAL 221.41 TAP 43.80 RCA 103.72 APO 156.47 V2 34.822
 RC 130.911 GL 81.13 GP -74.76 ZAL 105.08 ZAP 103.90 ETS 232.68 ZAE 84.84 ETE 157.14 ZAC 89.27 ETC 66.53 CLP 156.06

PLANETOCENTRIC CONIC

C3 275.627 VHL 16.602 DLA 45.85 RAL 308.33 RAD 6571.6 VEL 19.923 PTH 3.13 VMP 18.512 DPA -78.06 RAP 127.91 ECC 5.5361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.30 15 34 7 4814.31 -4.81 223.12 213.66 44.34 16 54 21 2786.3 -10.49 106.91
 127.70 23 20 27 3386.28 -4.80 112.17 213.65 44.34 24 16 53 2786.3 -10.49 106.91
 52.30 15 34 7 4814.31 -4.81 223.12 213.66 44.34 16 54 21 2786.3 -10.49 106.91
 127.70 23 20 27 3386.28 -4.80 112.17 213.65 44.34 24 16 53 2786.3 -10.49 106.91
 52.30 15 34 7 4814.31 -4.81 223.12 213.66 44.34 16 54 21 2786.3 -10.49 106.91
 127.70 23 20 27 3386.28 -4.80 112.17 213.65 44.34 24 16 53 2786.3 -10.49 106.91

DIFFERENTIAL CORRECTIONS

TDE 5.0209 TRA -1.5191 TC3 -.0244 BAU .1762
 RDE -5.7954 RRA 3.9376 RC3 -.0411 FAU .00290
 FDE 1.6281 FRA -.6588 FC3 -.0091 BSP 9857
 BDE 7.6679 BRA 4.2205 BC3 .0478 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 1890.9 SGR 2797.4 SG3 56.2
 RRT -.9307 RRF -.9653 RTF .9932
 SGB 3376.6 R23 -.1473 R13 -.9886
 SG1 3326.1 SG2 581.7 TMA 123.33

ORBIT DETERMINATION ACCURACY

ST 1747.4 SR 2084.0 SS 912.2
 CRT -.9880 CRS .9937 CST -.9991
 LSA 2860.7 MSA 211.7 SSA 1.0
 EL1 2711.7 EL2 207.5 ALF 129.92

LAUNCH DATE DEC 28 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 379.662

RL 147.12 LAL .00 LOL 96.05 VL 27.929 GAL -8.67 AZL 74.61 MCA 185.39 SMA 129.58 ECC .20148 INC15.3945 V1 30.283
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.608 GAP 7.13 AZP 105.33 TAL 219.73 TAP 45.12 RCA 103.47 APO 155.69 V2 34.816
 RC 133.236 GL 52.93 GP -58.58 ZAL 116.88 ZAP 119.34 ETS 288.13 ZAE 104.87 ETE 205.68 ZAC 78.47 ETC 120.48 CLP-160.02

PLANETOCENTRIC CONIC

C3 84.393 VHL 9.187 DLA 34.74 RAL 302.73 RAD 6569.7 VEL 14.344 PTH 2.61 VHP 9.279 DPA -76.91 RAP 347.19 ECC 2.3889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.98 16 29 22 4383.74 -11.82 192.59 195.19 57.09 17 42 26 3783.7 -16.07 186.03
 111.02 21 40 27 3395.56 -11.80 118.72 195.17 57.09 22 37 3 2795.6 -16.05 112.16
 68.98 16 29 22 4383.74 -11.82 192.59 195.19 57.09 17 42 26 3783.7 -16.07 186.03
 111.02 21 40 27 3395.56 -11.80 118.72 195.17 57.09 22 37 3 2795.6 -16.05 112.16
 68.98 16 29 22 4383.74 -11.82 192.59 195.19 57.09 17 42 26 3783.7 -16.07 186.03
 111.02 21 40 27 3395.56 -11.80 118.72 195.17 57.09 22 37 3 2795.6 -16.05 112.16

DIFFERENTIAL CORRECTIONS

TDE 3.4808 TRA-3.2852 TC3 -.6004 BAU .6778
 ROE .0236 RRA .6717 RC3 -.0194 FAU .02698
 FDE 1.3371 FRA -.6896 FC3 -.2767 BSP 11015
 BDE 3.4809 BRA 3.3532 BC3 .6008 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 3485.3 SGR 511.3 SG3 95.7
 RRT -.6733 RRF -.4173 RTF .9519
 SGB 3522.6 R23 -.3128 R13 -.9486
 SG1 3502.4 SG2 376.2 THA 174.29

ORBIT DETERMINATION ACCURACY

ST 2296.4 SR 153.7 SS 680.5
 CRT -.2334 CRS .0898 CST -.9894
 LSA 2393.5 MSA 177.3 SSA 1.2
 EL1 2296.7 EL2 149.4 ALF 179.10

LAUNCH DATE DEC 28 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 385.447

RL 147.12 LAL .00 LOL 96.05 VL 27.857 GAL -8.36 AZL 79.15 MCA 188.51 SMA 129.08 ECC .20070 INC10.8527 V1 30.283
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.549 GAP 7.30 AZP 100.74 TAL 218.09 TAP 46.60 RCA 103.17 APO 154.98 V2 34.809
 RC 135.553 GL 45.33 GP -44.44 ZAL 123.22 ZAP 130.64 ETS 299.64 ZAE 115.02 ETE 207.75 ZAC 70.61 ETC 131.71 CLP-155.81

PLANETOCENTRIC CONIC

C3 53.249 VHL 7.297 DLA 27.01 RAL 303.82 RAD 6568.9 VEL 13.214 PTH 2.41 VHP 7.165 DPA -62.84 RAP 332.45 ECC 1.8763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 24 39 3533.84 -19.69 133.07 191.09 69.23 21 23 33 2933.8 -22.34 125.40
 90.00 17 53 56 4026.35 -5.54 162.27 184.57 62.19 19 1 3 3426.3 -9.22 155.52
 100.00 22 20 25 3160.64 -23.39 107.05 192.53 70.84 23 13 5 2560.6 -25.79 99.07
 100.00 18 40 51 3874.78 -2.09 149.24 182.66 60.17 19 45 26 3274.8 -6.04 142.68
 110.00 0 27 47 2774.40 -30.49 80.26 195.07 73.74 1 14 1 2174.4 -32.41 71.57
 110.00 18 53 55 3833.79 4.24 142.20 178.73 56.05 19 57 48 3233.8 -.25 135.99

DIFFERENTIAL CORRECTIONS

TDE 2.3908 TRA-2.9338 TC3 -1.1227 BAU .8013
 ROE .2495 RRA .2605 RC3 -.0802 FAU .04115
 FDE 1.3076 FRA -.6775 FC3 -.6690 BSP 11210
 BDE 2.4037 BRA 2.9454 BC3 1.1256 FSP -444

MID-COURSE EXECUTION ACCURACY

SGT 3590.8 SGR 323.7 SG3 132.8
 RRT -.0292 RRF .3584 RTF .9185
 SGB 3605.4 R23 -.3856 R13 -.9184
 SG1 3590.8 SG2 323.6 THA 179.85

ORBIT DETERMINATION ACCURACY

ST 2031.7 SR 207.7 SS 645.4
 CRT .7453 CRS -.8724 CST -.9761
 LSA 2133.4 MSA 190.2 SSA 2.2
 EL1 2037.6 EL2 138.1 ALF 4.38

LAUNCH DATE DEC 28 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 391.246

RL 147.12 LAL .00 LOL 96.05 VL 27.786 GAL -8.06 AZL 81.26 MCA 191.66 SMA 128.58 ECC .20009 INC 8.7433 V1 30.283
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.492 GAP 7.48 AZP 98.57 TAL 216.44 TAP 48.09 RCA 102.85 APO 154.31 V2 34.804
 RC 137.863 GL 40.30 GP -34.87 ZAL 126.46 ZAP 138.27 ETS 306.22 ZAE 120.68 ETE 204.96 ZAC 66.16 ETC 138.15 CLP-155.45

PLANETOCENTRIC CONIC

C3 41.806 VHL 6.466 DLA 22.23 RAL 305.54 RAD 6568.6 VEL 12.774 PTH 2.32 VHP 6.416 DPA -53.04 RAP 329.27 ECC 1.6880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 58 20 3174.67 -26.42 108.96 188.97 79.42 22 51 15 2574.7 -27.61 100.50
 90.00 16 33 57 4264.39 2.12 175.57 178.82 61.76 17 45 2 3664.4 -1.68 168.94
 100.00 23 35 43 2860.69 -28.50 86.28 189.38 80.58 24 23 24 2260.7 -29.51 77.62
 100.00 17 39 16 4053.60 3.97 159.06 177.79 60.35 18 46 50 3453.6 -.01 152.53
 110.00 1 21 5 2543.36 -33.63 63.01 190.22 83.47 2 3 28 1943.4 -34.17 53.81
 110.00 18 14 19 3943.70 8.38 148.01 175.08 56.74 19 20 3 3343.7 3.95 141.73

DIFFERENTIAL CORRECTIONS

TDE 1.9064 TRA-2.7229 TC3 -1.5323 BAU .8577
 ROE .2267 RRA .1693 RC3 -.0827 FAU .04918
 FDE 1.2341 FRA -.6260 FC3 -1.0185 BSP 11582
 BDE 1.9198 BRA 2.7281 BC3 1.5346 FSP -522

MID-COURSE EXECUTION ACCURACY

SGT 3684.4 SGR 279.4 SG3 156.7
 RRT .1252 RRF .5199 RTF .9007
 SGB 3695.0 R23 .4097 R13 .9010
 SG1 3684.6 SG2 277.2 THA .55

ORBIT DETERMINATION ACCURACY

ST 1852.5 SR 206.8 SS 614.7
 CRT .7833 CRS -.9208 CST -.9636
 LSA 1962.1 MSA 199.6 SSA 3.4
 EL1 1869.6 EL2 128.0 ALF 4.99

LAUNCH DATE DEC 28 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 397.045

RL 147.12 LAL .00 LOL 96.05 VL 27.716 GAL -7.75 AZL 82.48 MCA 194.81 SMA 128.10 ECC .19961 INC 7.5221 V1 30.283
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.435 GAP 7.66 AZP 97.27 TAL 214.77 TAP 49.58 RCA 102.53 APO 153.67 V2 34.799
 RC 140.164 GL 36.90 GP -28.30 ZAL 127.98 ZAP 143.53 ETS 311.17 ZAE 123.94 ETE 201.74 ZAC 63.98 ETC 142.94 CLP-155.97

PLANETOCENTRIC CONIC

C3 35.846 VHL 5.987 DLA 19.20 RAL 307.33 RAD 6568.4 VEL 12.539 PTH 2.27 VHP 6.104 DPA -46.11 RAP 328.65 ECC 1.5899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 41 41 3003.37 -27.97 96.68 186.84 85.38 23 31 45 2403.4 -28.32 88.03
 90.00 16 4 51 4357.99 5.12 180.81 177.16 62.11 17 17 29 3758.0 1.35 174.16
 100.00 0 18 50 2702.78 -29.71 74.70 186.98 86.55 1 3 53 2102.8 -29.87 65.90
 100.00 17 14 20 4133.81 6.65 163.50 176.32 60.79 18 23 13 3533.8 2.71 156.93
 110.00 1 52 46 2408.90 -34.18 52.56 187.15 89.62 2 32 55 1808.9 -33.86 43.33
 110.00 17 56 53 4000.44 10.49 151.06 173.99 57.28 19 3 34 3400.4 6.10 144.71

DIFFERENTIAL CORRECTIONS

TDE 1.6427 TRA-2.5778 TC3 -1.8665 BAU .8949
 ROE .1990 RRA .1345 RC3 -.0603 FAU .05303
 FDE 1.1481 FRA -.5551 FC3 -1.2809 BSP 11922
 BDE 1.6547 BRA 2.5813 BC3 1.8675 FSP -566

MID-COURSE EXECUTION ACCURACY

SGT 3780.2 SGR 245.0 SG3 170.1
 RRT .1129 RRF .5041 RTF .8901
 SGB 3788.1 R23 .4058 R13 .8903
 SG1 3780.3 SG2 243.5 THA .42

ORBIT DETERMINATION ACCURACY

ST 1757.8 SR 194.8 SS 586.8
 CRT .7811 CRS -.9341 CST -.9524
 LSA 1851.9 MSA 206.4 SSA 4.6
 EL1 1764.4 EL2 121.1 ALF 4.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 402.838

RL 147.12 LAL .00 LOL 96.05 VL 27.646 GAL -7.44 AZL 83.28 MCA 197.96 SMA 127.62 ECC .19925 INC 6.7223 V1 30.283
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.379 GAP 7.84 AZP 96.40 TAL 213.08 TAP 51.05 RCA 102.19 APO 153.05 V2 34.795
 RC 142.456 GL 34.52 GP -23.62 ZAL 128.49 ZAP 147.35 ETS 315.11 ZAE 125.89 ETE 198.90 ZAC 63.19 ETC 146.71 CLP-156.78

PLANETOCENTRIC CONIC

C3 32.072 VHL 5.663 DLA 17.24 RAL 309.12 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 5.973 DPA -40.98 RAP 329.07 ECC 1.5278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 9 13 2898.44 -28.31 89.02 185.64 89.21 23 57 31 2298.4 -28.12 80.36
 90.00 15 51 38 4406.79 6.66 183.57 176.80 62.41 17 5 5 3806.8 2.92 176.89
 100.00 0 44 25 2604.08 -29.89 67.37 185.65 90.40 1 27 50 2004.1 -29.51 58.59
 100.00 17 3 3 4176.38 8.06 165.87 176.04 61.12 18 12 39 3576.4 4.14 159.27
 110.00 2 14 32 2322.14 -34.01 45.79 185.48 93.63 2 53 14 1722.1 -33.14 36.66
 110.00 17 49 25 4031.09 11.61 152.72 173.91 57.62 18 56 36 3431.1 7.25 146.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4857 TRA-2.4603 TC3-2.1528 BAU .9232 SGT 3872.6 SGR 223.6 SG3 176.8 ST 1695.9 SR 188.2 SS 565.3
 RDE .1825 RRA .1148 RC3 -.0299 FAU .05431 RRT .0500 RRF .4263 RTF .8825 CRT .7804 CRS -.9441 CST -.9426
 FDE 1.0712 FRA -.4763 FC3-1.4661 BSP 12168 SGB 3879.1 R23 -.3824 R13 .8826 LSA 1784.9 MSA 212.2 SSA 5.9
 BDE 1.4969 BRA 2.4630 BC3 2.1531 FSP -.582 SG1 3872.6 SG2 223.4 THA .17 EL1 1702.3 EL2 117.2 ALF 4.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 408.624

RL 147.12 LAL .00 LOL 96.05 VL 27.577 GAL -7.12 AZL 83.84 MCA 201.12 SMA 127.16 ECC .19902 INC 6.1553 V1 30.283
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.325 GAP 8.02 AZP 95.74 TAL 211.38 TAP 52.50 RCA 101.85 APO 152.46 V2 34.791
 RC 144.737 GL 32.78 GP -20.17 ZAL 128.34 ZAP 150.27 ETS 318.29 ZAE 127.12 ETE 196.54 ZAC 63.28 ETC 149.77 CLP-157.69

PLANETOCENTRIC CONIC

C3 29.374 VHL 5.420 DLA 15.97 RAL 310.93 RAD 6568.2 VEL 12.278 PTH 2.21 VHP 5.928 DPA -37.02 RAP 330.04 ECC 1.4834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 28 42 2829.24 -28.27 83.96 185.18 91.74 24 15 51 2229.2 -27.73 75.34
 90.00 15 46 34 4431.88 7.45 184.99 177.05 62.60 17 0 26 3831.9 3.72 178.29
 100.00 1 2 51 2538.31 -29.76 62.49 185.11 92.97 1 45 9 1938.3 -29.03 53.76
 100.00 16 59 3 4198.04 8.77 167.09 176.35 61.31 18 9 1 3598.0 4.87 160.47
 110.00 2 30 46 2263.19 -33.67 41.22 184.73 96.31 3 8 30 1663.2 -32.43 32.21
 110.00 17 47 36 4045.92 12.15 153.53 174.33 57.80 18 55 2 3445.9 7.81 147.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3829 TRA-2.3606 TC3-2.4186 BAU .9498 SGT 3968.4 SGR 214.1 SG3 179.9 ST 1658.3 SR 187.1 SS 547.9
 RDE .1742 RRA .0993 RC3 .0007 FAU .05437 RRT -.0189 RRF .3270 RTF .8773 CRT .7858 CRS -.9541 CST -.9342
 FDE 1.0029 FRA -.4014 FC3-1.6025 BSP 12491 SGB 3974.2 R23 -.3437 R13 -.8773 LSA 1743.0 MSA 216.7 SSA 7.2
 BDE 1.3939 BRA 2.3627 BC3 2.4186 FSP -.591 SG1 3968.4 SG2 214.1 THA 179.94 EL1 1664.8 EL2 115.2 ALF 5.09

LAUNCH DATE DEC 28 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 414.403

RL 147.12 LAL .00 LOL 96.05 VL 27.509 GAL -6.79 AZL 84.27 MCA 204.28 SMA 126.70 ECC .19892 INC 5.7300 V1 30.283
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.272 GAP 8.19 AZP 95.23 TAL 209.66 TAP 53.94 RCA 101.50 APO 151.90 V2 34.788
 RC 147.008 GL 31.47 GP -17.55 ZAL 127.72 ZAP 152.61 ETS 320.86 ZAE 127.93 ETE 194.60 ZAC 63.93 ETC 152.27 CLP-158.63

PLANETOCENTRIC CONIC

C3 27.286 VHL 5.224 DLA 15.18 RAL 312.77 RAD 6568.1 VEL 12.193 PTH 2.19 VHP 5.931 DPA -33.83 RAP 331.33 ECC 1.4491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 43 23 2782.32 -28.12 80.54 185.24 93.45 24 29 45 2182.3 -27.35 71.96
 90.00 15 46 34 4441.99 7.77 185.56 177.67 62.68 17 0 36 3842.0 4.05 178.86
 100.00 1 16 55 2493.35 -29.55 59.16 185.12 94.71 1 58 29 1893.4 -28.59 50.49
 100.00 16 59 39 4206.19 9.03 167.55 176.99 61.38 18 9 45 3606.2 5.14 160.92
 110.00 2 43 35 2222.20 -33.31 38.08 184.63 98.14 3 20 37 1622.2 -31.83 29.16
 110.00 17 49 29 4050.11 12.30 153.76 175.04 57.85 18 56 59 3450.1 7.97 147.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3162 TRA-2.2668 TC3-2.6705 BAU .9742 SGT 4062.7 SGR 213.9 SG3 180.8 ST 1639.7 SR 190.3 SS 535.4
 RDE .1714 RRA .0854 RC3 .0298 FAU .05365 RRT -.0756 RRF .2308 RTF .8733 CRT .7976 CRS -.9644 CST -.9275
 FDE .9458 FRA -.3295 FC3-1.7020 BSP 12806 SGB 4068.3 R23 -.2978 R13 -.8732 LSA 1721.3 MSA 220.2 SSA 8.5
 BDE 1.3273 BRA 2.2684 BC3 2.6707 FSP -.593 SG1 4062.7 SG2 213.3 THA 179.77 EL1 1646.8 EL2 114.3 ALF 5.31

LAUNCH DATE DEC 28 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 420.174

RL 147.12 LAL .00 LOL 96.05 VL 27.442 GAL -6.45 AZL 84.60 MCA 207.44 SMA 126.25 ECC .19895 INC 5.3975 V1 30.283
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.221 GAP 8.37 AZP 94.79 TAL 207.93 TAP 55.36 RCA 101.14 APO 151.37 V2 34.786
 RC 149.266 GL 30.47 GP -15.50 ZAL 126.77 ZAP 154.57 ETS 322.95 ZAE 128.48 ETE 193.02 ZAC 64.97 ETC 154.37 CLP-159.59

PLANETOCENTRIC CONIC

C3 25.583 VHL 5.058 DLA 14.74 RAL 314.66 RAD 6568.0 VEL 12.123 PTH 2.17 VHP 5.961 DPA -31.17 RAP 332.83 ECC 1.4210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 54 56 2750.65 -27.97 78.23 185.70 94.60 24 40 47 2150.7 -27.04 69.69
 90.00 15 50 5 4441.71 7.76 185.55 178.53 62.68 17 4 7 3841.7 4.04 178.84
 100.00 1 28 9 2462.73 -29.36 56.91 185.55 95.88 2 9 12 1862.7 -28.24 48.28
 100.00 17 3 29 4204.86 8.99 167.47 177.87 61.37 18 13 34 3604.9 5.10 160.85
 110.00 2 54 8 2193.70 -33.02 35.90 184.98 99.39 3 30 42 1593.7 -31.37 27.07
 110.00 17 54 0 4046.65 12.17 153.57 175.97 57.81 19 1 27 3446.7 7.84 147.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2694 TRA-2.1788 TC3-2.9232 BAU 1.0000 SGT 4162.3 SGR 219.3 SG3 180.8 ST 1631.5 SR 196.0 SS 524.2
 RDE .1716 RRA .0719 RC3 .0560 FAU .05273 RRT -.1127 RRF .1486 RTF .8712 CRT .8130 CRS -.9737 CST -.9224
 FDE .8934 FRA -.2663 FC3-1.7843 BSP 13237 SGB 4168.1 R23 -.2487 R13 -.8711 LSA 1710.4 MSA 221.9 SSA 9.8
 BDE 1.2809 BRA 2.1800 BC3 2.9237 FSP -.602 SG1 4162.4 SG2 217.9 THA 179.66 EL1 1639.3 EL2 113.6 ALF 5.61

LAUNCH DATE DEC 28 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 425.940

RL 147.12 LAL .00 LOL 96.05 VL 27.375 GAL -6.10 AZL 84.87 MCA 210.60 SMA 125.82 ECC .19910 INC 5.1289 V1 30.283
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.170 GAP 8.54 AZP 94.42 TAL 206.17 TAP 56.77 RCA 100.77 APO 150.87 V2 34.785
 RC 151.511 GL 29.69 GP -13.86 ZAL 125.54 ZAP 156.26 ETS 324.65 ZAE 128.87 ETE 191.72 ZAC 66.29 ETC 156.14 CLP-160.55

PLANETOCENTRIC CONIC

C3 24.141 VHL 4.913 DLA 14.57 RAL 316.61 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 6.009 DPA -28.88 RAP 334.48 ECC 1.3973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 8 14 2730.25 -27.85 76.75 186.48 95.33 0 53 44 2130.2 -26.82 68.24
 90.00 15 56 19 4433.56 7.50 185.08 179.60 62.62 17 10 13 3833.6 3.78 178.39
 100.00 1 37 24 2442.73 -29.21 55.44 186.32 96.64 2 18 6 1842.7 -27.98 46.85
 100.00 17 9 51 4196.31 8.71 166.99 178.95 61.29 18 19 47 3596.3 4.81 160.37
 110.00 3 3 6 2174.53 -32.80 34.45 185.70 100.23 3 39 21 1574.5 -31.04 25.67
 110.00 18 0 37 4037.28 11.83 153.06 177.08 57.69 19 7 55 3437.3 7.49 146.66

DIFFERENTIAL CORRECTIONS

TDE 1.2793 TRA-2.0512 TC3-3.1109 BAU 1.0044
 RDE .1761 RRA .0614 RC3 .0844 FAU .04967
 FDE .8867 FRA -.1660 FC3-1.7811 BSP 12751
 BDE 1.2914 BRA 2.0521 BC3 3.1120 FSP -527

MID-COURSE EXECUTION ACCURACY

SGT 4204.6 SGR 233.5 SG3 176.5
 RRT -.1323 RRF .1099 RTF .8602
 SGB 4211.0 R23 -.2260 R13 -.8601
 SG1 4204.7 SG2 231.4 TMA 179.58

ORBIT DETERMINATION ACCURACY

ST 1668.5 SR 206.6 SS 538.4
 CRT .8405 CRS -.9844 CST -.9200
 LSA 1750.5 MSA 227.7 SSA 10.7
 EL1 1677.5 EL2 111.3 ALF 5.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 431.692

RL 147.12 LAL .00 LOL 96.05 VL 27.309 GAL -5.75 AZL 85.09 MCA 213.75 SMA 125.39 ECC .19940 INC 4.9062 V1 30.283
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.121 GAP 8.71 AZP 94.08 TAL 204.41 TAP 58.16 RCA 100.39 APO 150.39 V2 34.784
 RC 153.743 GL 29.05 GP -12.52 ZAL 124.07 ZAP 157.75 ETS 326.03 ZAE 129.17 ETE 190.63 ZAC 67.81 ETC 157.65 CLP-161.46

PLANETOCENTRIC CONIC

C3 22.900 VHL 4.785 DLA 14.60 RAL 318.64 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 6.071 DPA -26.85 RAP 336.24 ECC 1.3769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 16 3 2718.42 -27.77 75.89 187.53 95.76 1 1 22 2118.4 -26.69 67.40
 90.00 16 4 41 4419.58 7.07 184.29 180.85 62.51 17 18 21 3819.6 3.33 177.61
 100.00 1 45 14 2430.83 -29.11 54.57 187.36 97.09 2 25 45 1830.8 -27.83 46.00
 100.00 17 18 11 4182.41 8.26 166.21 180.20 61.17 18 27 54 3582.4 4.35 159.61
 110.00 3 10 59 2162.49 -32.65 33.54 186.72 100.74 3 47 2 1562.5 -30.82 24.80
 110.00 18 8 55 4023.51 11.33 152.31 178.35 57.53 19 15 59 3423.5 6.97 145.93

DIFFERENTIAL CORRECTIONS

TDE 1.2512 TRA-1.9716 TC3-3.3814 BAU 1.0357
 RDE .1788 RRA .0473 RC3 .1041 FAU .04904
 FDE .8345 FRA -.1248 FC3-1.8338 BSP 13504
 BDE 1.2638 BRA 1.9722 BC3 3.3830 FSP -562

MID-COURSE EXECUTION ACCURACY

SGT 4320.6 SGR 243.0 SG3 176.4
 RRT -.1379 RRF .0561 RTF .8631
 SGB 4327.4 R23 -.1772 R13 -.8630
 SG1 4320.7 SG2 240.7 TMA 179.55

ORBIT DETERMINATION ACCURACY

ST 1670.1 SR 214.6 SS 525.4
 CRT .8573 CRS -.9896 CST -.9181
 LSA 1749.4 MSA 224.9 SSA 12.1
 EL1 1680.2 EL2 109.8 ALF 6.31

LAUNCH DATE DEC 28 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 437.438

RL 147.12 LAL .00 LOL 96.05 VL 27.244 GAL -5.39 AZL 85.28 MCA 216.91 SMA 124.97 ECC .19985 INC 4.7174 V1 30.283
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.074 GAP 8.89 AZP 93.77 TAL 202.63 TAP 59.54 RCA 100.00 APO 149.94 V2 34.784
 RC 155.962 GL 28.53 GP -11.41 ZAL 122.40 ZAP 159.09 ETS 327.14 ZAE 129.40 ETE 189.73 ZAC 69.48 ETC 158.97 CLP-162.37

PLANETOCENTRIC CONIC

C3 21.811 VHL 4.670 DLA 14.80 RAL 320.76 RAD 6567.9 VEL 11.966 PTH 2.13 VHP 6.141 DPA -25.02 RAP 338.07 ECC 1.3590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 22 41 2713.72 -27.74 75.55 188.84 95.92 1 7 55 2113.7 -26.63 67.06
 90.00 16 14 57 4400.66 6.47 183.22 182.27 62.37 17 28 17 3800.7 2.72 176.55
 100.00 1 52 0 2425.65 -29.07 54.19 188.66 97.29 2 32 26 1825.7 -27.76 45.63
 100.00 17 28 18 4163.95 7.65 165.18 181.63 61.01 18 37 42 3564.0 3.72 158.59
 110.00 3 18 4 2156.35 -32.57 33.08 188.00 101.01 3 54 1 1556.4 -30.71 24.36
 110.00 18 18 44 4006.02 10.69 151.36 179.79 57.34 19 25 30 3406.0 6.31 145.01

DIFFERENTIAL CORRECTIONS

TDE 1.2515 TRA-1.8703 TC3-3.6242 BAU 1.0574
 RDE .1828 RRA .0346 RC3 .1236 FAU .04748
 FDE .8042 FRA -.0685 FC3-1.8847 BSP 13853
 BDE 1.2647 BRA 1.8706 BC3 3.6263 FSP -560

MID-COURSE EXECUTION ACCURACY

SGT 4410.1 SGR 256.0 SG3 174.5
 RRT -.1336 RRF .0274 RTF .8622
 SGB 4417.5 R23 -.1443 R13 -.8621
 SG1 4410.3 SG2 253.7 TMA 179.55

ORBIT DETERMINATION ACCURACY

ST 1695.4 SR 224.6 SS 524.5
 CRT .8783 CRS -.9940 CST -.9182
 LSA 1774.9 MSA 223.1 SSA 13.2
 EL1 1706.9 EL2 106.7 ALF 6.66

LAUNCH DATE DEC 28 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 443.175

RL 147.12 LAL .00 LOL 96.05 VL 27.180 GAL -5.01 AZL 85.45 MCA 220.07 SMA 124.56 ECC .20044 INC 4.5545 V1 30.283
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.027 GAP 9.07 AZP 93.49 TAL 200.84 TAP 60.91 RCA 99.59 APO 149.53 V2 34.785
 RC 158.168 GL 28.09 GP -10.49 ZAL 120.55 ZAP 160.33 ETS 328.01 ZAE 129.59 ETE 188.96 ZAC 71.27 ETC 160.11 CLP-163.26

PLANETOCENTRIC CONIC

C3 20.851 VHL 4.566 DLA 15.14 RAL 322.98 RAD 6567.8 VEL 11.926 PTH 2.12 VHP 6.220 DPA -23.33 RAP 339.97 ECC 1.3432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 28 24 2715.04 -27.75 75.65 190.37 95.88 1 13 39 2115.0 -26.65 67.16
 90.00 16 26 54 4377.67 5.74 181.92 183.87 62.22 17 39 52 3777.7 1.98 175.26
 100.00 1 57 59 2426.17 -29.08 54.23 190.20 97.27 2 38 25 1826.2 -27.76 45.67
 100.00 17 40 1 4141.77 6.91 163.94 183.23 60.85 18 49 2 3541.8 2.98 157.37
 110.00 3 24 35 2155.22 -32.55 33.00 189.54 101.05 4 0 30 1555.2 -30.69 24.28
 110.00 18 29 54 3985.49 9.93 150.25 181.40 57.12 19 36 20 3385.5 5.53 143.93

DIFFERENTIAL CORRECTIONS

TDE 1.2641 TRA-1.7608 TC3-3.8623 BAU 1.0774
 RDE .1874 RRA .0224 RC3 .1411 FAU .04578
 FDE .7804 FRA -.0125 FC3-1.9007 BSP 14143
 BDE 1.2779 BRA 1.7607 BC3 3.8649 FSP -554

MID-COURSE EXECUTION ACCURACY

SGT 4493.9 SGR 269.7 SG3 172.2
 RRT -.1222 RRF .0113 RTF .8612
 SGB 4501.9 R23 -.1178 R13 -.8611
 SG1 4494.0 SG2 267.7 TMA 179.58

ORBIT DETERMINATION ACCURACY

ST 1731.5 SR 235.3 SS 526.9
 CRT .8996 CRS -.9967 CST -.9199
 LSA 1811.8 MSA 220.2 SSA 14.4
 EL1 1744.5 EL2 102.0 ALF 6.99

LAUNCH DATE DEC 28 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 448.903

RL 147.12 LAL .00 LOL 96.05 VL 27.117 GAL -4.63 AZL 85.59 MCA 223.23 SMA 124.16 ECC .20119 INC 4.4116 V1 30.283
 RP 108.94 LAP -3.02 LOP 319.20 VP 36.982 GAP 9.25 AZP 93.22 TAL 199.03 TAP 62.27 RCA 99.18 APO 149.14 V2 34.787
 RC 160.359 GL 27.70 GP -9.70 ZAL 118.51 ZAP 161.47 ETS 328.67 ZAE 129.75 ETE 188.31 ZAC 73.15 ETC 161.13 CLP-164.13

PLANETOCENTRIC CONIC

C3 20.004 VHL 4.473 CLA 15.60 RAL 325.30 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 6.304 DPA -21.76 RAP 341.91 ECC 1.3292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 25 2721.69 -27.80 76.13 192.14 95.64 1 18 47 2121.7 -26.72 67.63
 90.00 16 40 25 4351.20 4.90 180.43 185.66 62.08 17 52 57 3751.2 1.13 173.79
 100.00 2 3 20 2431.69 -29.12 54.63 191.97 97.06 2 43 52 1831.7 -27.84 46.06
 100.00 17 53 11 4116.43 6.07 162.53 185.02 60.67 19 1 48 3516.4 2.12 155.98
 110.00 3 30 40 2158.45 -32.60 33.24 191.33 100.92 4 6 39 1558.5 -30.75 24.51
 110.00 18 42 21 3962.43 9.08 149.01 183.18 56.90 19 48 23 3362.4 4.66 142.71

DIFFERENTIAL CORRECTIONS

TDE 1.2860 TRA-1.6433 TC3-4.0968 BAU 1.0964
 ROE .1922 RRA .0104 RC3 .1564 FAU .04403
 FDE .7603 FRA .0418 FC3-1.9054 BSP 14417
 BDE 1.3003 BRA 1.6433 BC3 4.0998 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 4573.9 SGR 283.6 SG3 169.7
 RRT -.1060 RRF .0038 RTF .8605
 SGB 4582.7 R23 -.0959 R13 -.8604
 SG1 4574.0 SG2 282.0 THA 179.62

ORBIT DETERMINATION ACCURACY

ST 1776.6 SR 246.3 SS 531.3
 CRT .9198 CRS -.9976 CST -.9229
 LSA 1858.0 MSA 215.9 SSA 15.5
 EL1 1791.0 EL2 95.9 ALF 7.29

LAUNCH DATE DEC 28 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 454.622

RL 147.12 LAL .00 LOL 96.05 VL 27.055 GAL -4.24 AZL 85.72 MCA 226.39 SMA 123.77 ECC .20211 INC 4.2846 V1 30.283
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.939 GAP 9.43 AZP 92.96 TAL 197.22 TAP 63.61 RCA 98.75 APO 148.79 V2 34.789
 RC 162.536 GL 27.34 GP -9.02 ZAL 116.31 ZAP 162.53 ETS 329.15 ZAE 129.90 ETE 187.76 ZAC 75.11 ETC 162.02 CLP-164.98

PLANETOCENTRIC CONIC

C3 19.260 VHL 4.389 CLA 16.16 RAL 327.74 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 6.395 DPA -20.27 RAP 343.89 ECC 1.3170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 52 2733.17 -27.87 76.96 194.13 95.23 1 23 25 2133.2 -26.85 68.44
 90.00 16 55 27 4321.74 3.96 178.78 187.65 61.94 18 7 29 3721.7 .18 172.14
 100.00 2 8 14 2441.74 -29.20 55.37 193.97 96.68 2 48 55 1841.7 -27.97 46.78
 100.00 18 7 46 4088.40 5.14 160.98 187.00 60.51 19 15 54 3488.4 1.17 154.44
 110.00 3 36 29 2165.63 -32.69 33.78 193.35 100.61 4 12 34 1565.6 -30.88 25.03
 110.00 18 56 0 3937.28 8.14 147.67 185.16 56.69 20 1 38 3337.3 3.70 141.39

DIFFERENTIAL CORRECTIONS

TDE 1.3185 TRA-1.5159 TC3-4.3216 BAU 1.1136
 ROE .1973 RRA -.0010 RC3 .1697 FAU .04218
 FDE .7450 FRA .0960 FC3-1.8959 BSP 14616
 BDE 1.3332 BRA 1.5159 BC3 4.3240 FSP -534

MID-COURSE EXECUTION ACCURACY

SGT 4647.3 SGR 297.5 SG3 166.9
 RRT -.0859 RRF .0044 RTF .8596
 SGB 4656.8 R23 -.0788 R13 -.8596
 SG1 4647.4 SG2 296.4 THA 179.68

ORBIT DETERMINATION ACCURACY

ST 1832.6 SR 257.6 SS 538.5
 CRT .9386 CRS -.9968 CST -.9270
 LSA 1915.8 MSA 210.5 SSA 16.6
 EL1 1848.5 EL2 88.1 ALF 7.53

LAUNCH DATE DEC 28 1965

FLIGHT TIME 154.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 460.331

RL 147.12 LAL .00 LOL 96.05 VL 26.993 GAL -3.84 AZL 85.83 MCA 229.56 SMA 123.39 ECC .20321 INC 4.1703 V1 30.283
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.897 GAP 9.62 AZP 92.71 TAL 195.39 TAP 64.94 RCA 98.31 APO 148.46 V2 34.792
 RC 164.699 GL 27.00 GP -8.44 ZAL 113.95 ZAP 163.54 ETS 329.46 ZAE 130.03 ETE 187.29 ZAC 77.14 ETC 162.82 CLP-165.82

PLANETOCENTRIC CONIC

C3 18.614 VHL 4.314 CLA 16.81 RAL 330.30 RAD 6567.8 VEL 11.832 PTH 2.10 VHP 6.491 DPA -18.84 RAP 345.91 ECC 1.3063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 51 2749.13 -27.96 78.12 196.36 94.65 1 27 40 2149.1 -27.02 69.58
 90.00 17 11 55 4289.70 2.93 176.99 189.85 61.82 18 23 25 3689.7 -.86 170.36
 100.00 2 12 45 2455.97 -29.31 56.41 196.21 96.14 2 53 41 1856.0 -28.15 47.80
 100.00 18 23 42 4058.09 4.12 159.30 189.20 60.37 19 31 20 3458.1 .14 152.77
 110.00 3 42 7 2176.40 -32.82 34.59 195.62 100.15 4 18 23 1576.4 -31.07 25.81
 110.00 19 10 50 3910.43 7.14 146.24 187.33 56.48 20 16 0 3310.4 2.68 139.99

DIFFERENTIAL CORRECTIONS

TDE 1.3546 TRA-1.3845 TC3-4.5463 BAU 1.1322
 ROE .2023 RRA -.0120 RC3 .1802 FAU .04047
 FDE .7289 FRA .1453 FC3-1.8825 BSP 14905
 BDE 1.3696 BRA 1.3845 BC3 4.5498 FSP -528

MID-COURSE EXECUTION ACCURACY

SGT 4723.8 SGR 310.8 SG3 164.3
 RRT -.0646 RRF .0069 RTF .8601
 SGB 4734.0 R23 -.0628 R13 -.8601
 SG1 4723.8 SG2 310.2 THA 179.76

ORBIT DETERMINATION ACCURACY

ST 1832.6 SR 268.7 SS 544.6
 CRT .9548 CRS -.9944 CST -.9316
 LSA 1977.2 MSA 203.7 SSA 17.7
 EL1 1910.0 EL2 79.2 ALF 7.73

LAUNCH DATE DEC 28 1965

FLIGHT TIME 156.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 466.029

RL 147.12 LAL .00 LOL 96.05 VL 26.933 GAL -3.42 AZL 85.93 MCA 232.72 SMA 123.01 ECC .20448 INC 4.0662 V1 30.283
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.856 GAP 9.81 AZP 92.47 TAL 193.55 TAP 66.27 RCA 97.86 APO 148.17 V2 34.796
 RC 166.847 GL 26.65 GP -7.93 ZAL 111.43 ZAP 164.50 ETS 329.60 ZAE 130.17 ETE 186.88 ZAC 79.22 ETC 163.54 CLP-166.63

PLANETOCENTRIC CONIC

C3 18.063 VHL 4.250 CLA 17.53 RAL 333.00 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 6.593 DPA -17.47 RAP 347.95 ECC 1.2973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 28 2769.34 -28.07 79.59 198.82 93.93 1 31 37 2169.3 -27.23 71.02
 90.00 17 29 48 4253.43 1.83 175.07 192.28 61.74 18 40 44 3655.4 -1.97 168.44
 100.00 2 17 1 2474.13 -29.44 57.75 198.69 95.45 2 58 15 1874.1 -28.37 49.10
 100.00 18 40 57 4025.87 3.03 157.53 191.61 60.25 19 48 3 3425.9 -.95 151.01
 110.00 3 47 39 2190.52 -32.98 35.66 198.14 99.53 4 24 10 1590.5 -31.32 26.84
 110.00 19 26 47 3882.23 6.07 144.75 189.72 56.30 20 31 30 3282.2 1.60 138.52

DIFFERENTIAL CORRECTIONS

TDE 1.3981 TRA-1.2440 TC3-4.7590 BAU 1.1501
 ROE .2075 RRA -.0224 RC3 .1883 FAU .03878
 FDE .7153 FRA .1934 FC3-1.8586 BSP 15173
 BDE 1.4134 BRA 1.2442 BC3 4.7627 FSP -521

MID-COURSE EXECUTION ACCURACY

SGT 4796.8 SGR 323.8 SG3 161.7
 RRT -.0416 RRF .0135 RTF .8610
 SGB 4807.7 R23 -.0495 R13 -.8610
 SG1 4796.8 SG2 323.5 THA 179.84

ORBIT DETERMINATION ACCURACY

ST 1961.1 SR 279.9 SS 552.0
 CRT .9685 CRS -.9908 CST -.9368
 LSA 2046.9 MSA 196.1 SSA 18.8
 EL1 1979.7 EL2 69.0 ALF 7.88

LAUNCH DATE DEC 28 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 471.715

RL 147.12 LAL .00 LOL 96.05 VL 26.873 GAL -3.00 AZL 86.03 MCA 235.88 SMA 122.65 ECC .20596 INC 3.9705 V1 30.283
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.816 GAP 10.01 A7P 92.23 TAL 191.70 TAP 67.58 RCA 97.39 APO 147.91 V2 34.800
 RC 168.980 GL 26.29 GP -7.48 ZAL 108.76 ZAP 165.41 ETS 329.59 ZAE 130.30 ETE 186.52 ZAC 81.35 ETC 164.18 CLP-167.44

PLANETOCENTRIC CONIC

C3 17.607 VHL 4.196 DLA 18.31 RAL 335.83 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 6.701 DPA -16.14 RAP 350.01 ECC 1.2898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 47 2793.60 -28.17 81.36 201.52 93.04 1 35 21 2193.6 -27.45 72.77
 90.00 17 49 5 4219.26 .66 173.05 194.94 61.69 18 59 24 3619.3 -3.13 166.42
 100.00 2 21 4 2496.00 -29.57 59.36 201.41 94.61 3 2 40 1896.0 -28.61 50.68
 100.00 18 59 29 3992.09 1.89 155.67 194.26 60.16 20 6 1 3392.1 -2.10 149.15
 110.00 3 53 12 2207.77 -33.17 36.97 200.92 98.78 4 29 59 1607.8 -31.60 28.10
 110.00 19 43 51 3853.08 4.97 143.21 192.34 56.14 20 48 4 3253.1 .49 137.00

DIFFERENTIAL CORRECTIONS

TDE 1.4479 TRA-1.0944 TC3-4.9546 BAU 1.1671
 RDE .2129 RRA -.0321 RC3 .1938 FAU .03707
 FDE .7032 FRA .2404 FC3-1.8229 BSP 15428
 BDE 1.4634 BRA 1.0949 BC3 4.9584 FSP -514

MID-COURSE EXECUTION ACCURACY

SGT 4865.7 SGR 336.3 SG3 158.9
 RRT -.0176 RRF .0233 RTF .8622
 SGB 4877.3 R23 -.0385 R13 -.8622
 SG1 4865.7 SG2 336.2 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 2036.5 SR 291.1 SS 559.8
 CRT .9796 CRS -.9859 CST -.9421
 LSA 2123.6 MSA 187.9 SSA 19.8
 EL1 2056.4 EL2 57.9 ALF 7.98

LAUNCH DATE DEC 28 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 477.390

RL 147.12 LAL .00 LOL 96.05 VL 26.814 GAL -2.56 AZL 86.12 MCA 239.04 SMA 122.29 ECC .20764 INC 3.8817 V1 30.283
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.778 GAP 10.22 A7P 92.00 TAL 189.85 TAP 68.89 RCA 96.90 APO 147.68 V2 34.805
 RC 171.096 GL 25.89 GP -7.09 ZAL 105.95 ZAP 166.28 ETS 329.40 ZAE 130.43 ETE 186.22 ZAC 83.52 ETC 164.76 CLP-168.22

PLANETOCENTRIC CONIC

C3 17.247 VHL 4.153 DLA 19.14 RAL 338.80 RAD 6567.7 VEL 11.774 PTH 2.08 VHP 6.814 DPA -14.83 RAP 352.09 ECC 1.2838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 51 2821.76 -28.25 83.41 204.46 92.02 1 38 53 2221.8 -27.67 74.80
 90.00 18 9 43 4181.54 -.56 170.95 197.85 61.69 19 19 24 3581.5 -4.34 164.31
 100.00 2 25 0 2521.40 -29.69 61.24 204.38 93.63 3 7 2 1921.4 -28.87 52.53
 100.00 19 19 15 3957.14 .70 153.76 197.15 60.12 20 25 12 3357.1 -3.28 147.23
 110.00 3 58 48 2227.94 -33.37 38.52 203.95 97.89 4 35 56 1627.9 -31.92 29.59
 110.00 20 1 57 3823.36 3.84 141.65 195.20 56.01 21 5 40 3223.4 -.65 135.45

DIFFERENTIAL CORRECTIONS

TDE 1.5061 TRA -.9322 TC3-5.1219 BAU 1.1819
 RDE .2187 RRA -.0409 RC3 .1967 FAU .03529
 FDE .6940 FRA .2884 FC3-1.7715 BSP 15593
 BDE 1.5219 BRA .9331 BC3 5.1257 FSP -502

MID-COURSE EXECUTION ACCURACY

SGT 4926.4 SGR 348.3 SG3 156.0
 RRT .0078 RRF .0370 RTF .8631
 SGB 4938.7 R23 .0304 R13 .8631
 SG1 4926.4 SG2 348.3 THA .03

ORBIT DETERMINATION ACCURACY

ST 2121.5 SR 302.3 SS 569.2
 CRT .9880 CRS -.9800 CST -.9476
 LSA 2209.9 MSA 179.6 SSA 20.8
 EL1 2142.5 EL2 46.2 ALF 8.02

LAUNCH DATE DEC 28 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 483.051

RL 147.12 LAL .00 LOL 96.05 VL 26.756 GAL -2.10 AZL 86.20 MCA 242.21 SMA 121.94 ECC .20954 INC 3.7986 V1 30.283
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.741 GAP 10.43 A7P 91.77 TAL 187.99 TAP 70.20 RCA 96.39 APO 147.49 V2 34.811
 RC 173.198 GL 25.45 GP -6.74 ZAL 103.01 ZAP 167.12 ETS 329.06 ZAE 130.56 ETE 185.95 ZAC 85.72 ETC 165.28 CLP-169.00

PLANETOCENTRIC CONIC

C3 16.988 VHL 4.122 DLA 19.99 RAL 341.91 RAD 6567.7 VEL 11.763 PTH 2.08 VHP 6.934 DPA -13.56 RAP 354.19 ECC 1.2796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 44 2853.66 -28.31 85.75 207.65 90.85 1 42 18 2253.7 -27.89 77.10
 90.00 18 31 39 4142.66 -1.81 168.78 201.02 61.74 19 40 42 3542.7 -5.58 162.13
 100.00 2 28 53 2550.11 -29.80 63.37 207.60 92.51 3 11 23 1950.1 -29.13 54.62
 100.00 19 40 12 3921.44 -.51 151.80 200.30 60.11 20 45 34 3321.4 -4.48 145.26
 110.00 4 4 33 2250.80 -33.57 40.27 207.24 96.87 4 42 3 1650.8 -32.26 31.28
 110.00 20 21 2 3793.51 2.70 140.09 198.29 55.91 21 24 15 3193.5 -1.79 133.89

DIFFERENTIAL CORRECTIONS

TDE 1.5654 TRA -.7648 TC3-5.2716 BAU 1.1981
 RDE .2249 RRA -.0490 RC3 .1966 FAU .03366
 FDE .6831 FRA .3320 FC3-1.7156 BSP 15840
 BDE 1.5815 BRA .7663 BC3 5.2752 FSP -496

MID-COURSE EXECUTION ACCURACY

SGT 4989.9 SGR 359.5 SG3 153.2
 RRT .0323 RRF .0504 RTF .8655
 SGB 5002.8 R23 .0222 R13 .8655
 SG1 4989.9 SG2 359.3 THA .13

ORBIT DETERMINATION ACCURACY

ST 2206.2 SR 313.4 SS 576.3
 CRT .9936 CRS -.9734 CST -.9528
 LSA 2295.2 MSA 171.2 SSA 21.8
 EL1 2228.1 EL2 35.1 ALF 8.04

LAUNCH DATE DEC 28 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 488.697

RL 147.12 LAL .00 LOL 96.05 VL 26.699 GAL -1.64 AZL 86.28 MCA 245.37 SMA 121.60 ECC .21167 INC 3.7201 V1 30.283
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.706 GAP 10.65 A7P 91.55 TAL 186.12 TAP 71.49 RCA 95.86 APO 147.34 V2 34.817
 RC 175.278 GL 24.96 GP -6.43 ZAL 99.94 ZAP 167.93 ETS 328.53 ZAE 130.69 ETE 185.72 ZAC 87.95 ETC 165.75 CLP-169.76

PLANETOCENTRIC CONIC

C3 16.834 VHL 4.103 DLA 20.87 RAL 345.16 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 7.061 DPA -12.30 RAP 356.30 ECC 1.2770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 29 2889.13 -28.31 88.34 211.08 89.55 1 45 38 2289.1 -28.08 79.68
 90.00 18 54 51 4102.99 -3.09 166.57 204.46 61.84 20 3 14 3503.0 -6.83 159.89
 100.00 2 32 45 2581.94 -29.87 65.73 211.07 91.27 3 15 47 1981.9 -29.37 56.96
 100.00 20 2 16 3885.42 -1.73 149.82 203.70 60.15 21 7 1 3285.4 -5.69 143.27
 110.00 4 10 30 2276.11 -33.76 42.22 210.79 95.72 4 48 26 1676.1 -32.60 33.18
 110.00 20 41 0 3764.01 1.58 138.55 201.64 55.85 21 43 44 3164.0 -2.92 132.35

DIFFERENTIAL CORRECTIONS

TDE 1.6294 TRA -.5862 TC3-5.3875 BAU 1.2133
 RDE .2317 RRA -.0560 RC3 .1937 FAU .03204
 FDE .6729 FRA .3760 FC3-1.6477 BSP 16070
 BDE 1.6458 BRA .5889 BC3 5.3910 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 5048.7 SGR 370.1 SG3 150.3
 RRT .0573 RRF .0655 RTF .8679
 SGB 5062.3 R23 .0156 R13 .8679
 SG1 5048.8 SG2 369.5 THA .24

ORBIT DETERMINATION ACCURACY

ST 2294.4 SR 324.6 SS 582.9
 CRT .9967 CRS -.9661 CST -.9575
 LSA 2383.7 MSA 163.5 SSA 22.7
 EL1 2317.1 EL2 26.2 ALF 8.03

LAUNCH DATE DEC 28 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 494.327

RL 147.12 LAL .00 LOL 96.05 VL 26.643 GAL -1.15 AZL 86.35 HCA 248.54 SMA 121.27 ECC .21405 INC 3.6455 V1 30.283
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.672 GAP 10.88 ATP 91.34 TAL 184.25 TAP 72.79 RCA 95.31 APO 147.23 V2 34.824
 RC 177.341 GL 24.41 GP -6.15 ZAL 96.76 ZAP 168.71 ETS 327.80 ZAE 130.82 ETE 185.51 ZAC 90.21 ETC 166.17 CLP-170.51

PLANETOCENTRIC CONIC

C3 16.791 VHL 4.098 DLA 21.75 RAL 348.55 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 7.195 DPA -11.06 RAP 358.42 ECC 1.2763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 7 2927.98 -28.26 91.18 214.74 88.12 1 48 55 2328.0 -28.22 82.52
 90.00 19 19 12 4062.98 -4.37 164.33 208.15 61.99 20 26 55 3463.0 -8.08 157.61
 100.00 2 36 41 2616.59 -29.89 68.30 214.77 89.91 3 20 18 2016.6 -29.58 59.51
 100.00 20 25 19 3849.60 -2.94 147.85 207.36 60.24 21 29 29 3249.6 -6.88 141.28
 110.00 4 16 44 2303.57 -33.92 44.35 214.59 94.48 4 55 8 1703.6 -32.93 35.25
 110.00 21 1 45 3735.39 .48 137.06 205.23 55.82 22 4 1 3135.4 -4.01 130.85

DIFFERENTIAL CORRECTIONS

TOE 1.6970 TRA -.3974 TC3-5.4647 BAU 1.2275
 RDE .2394 RRA -.0619 RC3 .1880 FAU .03044
 FDE .6637 FRA .4190 FC3-1.5694 BSP 16277
 BDE 1.7138 BRA .4022 BC3 5.4679 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 5103.5 SGR 380.1 SG3 147.5
 RRT .0825 RRF .0828 RTF .8707
 SGB 5117.6 R23 .0106 R13 .8707
 SGI 5103.6 SG2 378.8 TMA .35

ORBIT DETERMINATION ACCURACY

ST 2383.3 SR 335.9 SS 589.3
 CRT .9975 CRS -.9584 CST -.9619
 LSA 2472.9 MSA 156.8 SSA 23.4
 EL1 2406.8 EL2 23.5 ALF 8.00

LAUNCH DATE DEC 28 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 499.940

RL 147.12 LAL .00 LOL 96.05 VL 26.587 GAL -.66 AZL 86.43 HCA 251.71 SMA 120.94 ECC .21671 INC 3.5740 V1 30.283
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.639 GAP 11.13 ATP 91.12 TAL 182.37 TAP 74.08 RCA 94.73 APO 147.15 V2 34.832
 RC 179.385 GL 23.80 GP -5.90 ZAL 93.48 ZAP 169.46 ETS 326.86 ZAE 130.95 ETE 185.34 ZAC 92.49 ETC 166.55 CLP-171.25

PLANETOCENTRIC CONIC

C3 16.868 VHL 4.107 DLA 22.61 RAL 352.05 RAD 6567.7 VEL 11.758 PTH 2.08 VHP 7.337 DPA -9.84 RAP .55 ECC 1.2776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 42 2969.95 -28.13 94.24 218.63 86.59 1 52 12 2369.9 -28.30 85.58
 90.00 19 44 36 4023.12 -5.64 162.08 212.11 62.20 20 51 40 3423.1 -9.32 155.34
 100.00 2 40 45 2653.75 -29.86 71.07 218.71 88.46 3 24 59 2053.8 -29.75 62.26
 100.00 20 49 14 3814.54 -4.12 145.92 211.28 60.37 21 52 48 3214.5 -8.04 139.32
 110.00 4 23 20 2332.85 -34.06 46.62 218.64 93.14 5 2 13 1732.8 -33.25 37.48
 110.00 21 23 9 3708.21 -.56 135.64 209.06 55.82 22 24 57 3108.2 -5.04 129.42

DIFFERENTIAL CORRECTIONS

TOE 1.7690 TRA -.1957 TC3-5.4935 BAU 1.2395
 RDE .2480 RRA -.0667 RC3 .1797 FAU .02881
 FDE .6555 FRA .4620 FC3-1.4788 BSP 16397
 BDE 1.7863 BRA .2067 BC3 5.4964 FSP -468

MID-COURSE EXECUTION ACCURACY

SGT 5151.7 SGR 389.4 SG3 144.6
 RRT .1083 RRF .1024 RTF .8738
 SGB 5166.4 R23 .0072 R13 .8738
 SGI 5151.9 SG2 387.1 TMA .47

ORBIT DETERMINATION ACCURACY

ST 2473.2 SR 347.3 SS 595.1
 CRT .9964 CRS -.9503 CST -.9661
 LSA 2562.8 MSA 151.2 SSA 23.9
 EL1 2497.3 EL2 29.1 ALF 7.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 505.532

RL 147.12 LAL .00 LOL 96.05 VL 26.533 GAL -.14 AZL 86.49 HCA 254.88 SMA 120.62 ECC .21965 INC 3.5051 V1 30.283
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.607 GAP 11.38 ATP 90.92 TAL 180.49 TAP 75.37 RCA 94.13 APO 147.12 V2 34.840
 RC 181.409 GL 23.11 GP -5.68 ZAL 90.13 ZAP 170.19 ETS 325.66 ZAE 131.08 ETE 185.19 ZAC 94.79 ETC 166.89 CLP-171.98

PLANETOCENTRIC CONIC

C3 17.075 VHL 4.132 DLA 23.44 RAL 355.67 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 7.488 DPA -8.64 RAP 2.70 ECC 1.2810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 17 3014.70 -27.90 97.50 222.72 84.98 1 55 31 2414.7 -28.31 88.86
 90.00 20 10 52 3983.98 -6.88 159.87 216.32 62.46 21 17 16 3384.0 -10.51 153.08
 100.00 2 45 3 2692.99 -29.75 73.98 222.87 86.93 3 29 56 2093.0 -29.86 65.18
 100.00 21 13 47 3780.91 -5.25 144.06 215.44 60.53 22 16 48 3180.9 -9.14 137.43
 110.00 4 30 22 2363.54 -34.15 49.02 222.93 91.72 5 9 45 1763.5 -33.53 39.83
 110.00 21 44 58 3683.13 -1.52 134.33 213.12 55.85 22 46 21 3083.1 -5.99 128.10

DIFFERENTIAL CORRECTIONS

TOE 1.8288 TRA .0093 TC3-5.5034 BAU 1.2569
 RDE .2570 RRA -.0703 RC3 .1681 FAU .02760
 FDE .6367 FRA .5017 FC3-1.3994 BSP 16775
 BDE 1.8468 BRA .0709 BC3 5.5060 FSP -471

MID-COURSE EXECUTION ACCURACY

SGT 5207.4 SGR 397.0 SG3 141.8
 RRT .1308 RRF .1128 RTF .8790
 SGB 5222.5 R23 -.0028 R13 .8790
 SGI 5207.7 SG2 393.5 TMA .57

ORBIT DETERMINATION ACCURACY

ST 2539.4 SR 357.8 SS 590.2
 CRT .9937 CRS -.9411 CST -.9687
 LSA 2627.3 MSA 147.2 SSA 24.1
 EL1 2564.2 EL2 39.6 ALF 7.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 511.102

RL 147.12 LAL .00 LOL 96.05 VL 26.479 GAL .40 AZL 86.56 HCA 258.05 SMA 120.31 ECC .22289 INC 3.4382 V1 30.283
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.576 GAP 11.66 ATP 90.71 TAL 178.61 TAP 76.66 RCA 93.49 APO 147.13 V2 34.849
 RC 183.413 GL 22.36 GP -5.47 ZAL 86.72 ZAP 170.89 ETS 324.18 ZAE 131.22 ETE 185.05 ZAC 97.10 ETC 167.19 CLP-172.71

PLANETOCENTRIC CONIC

C3 17.423 VHL 4.174 DLA 24.23 RAL 359.38 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 7.648 DPA -7.44 RAP 4.85 ECC 1.2867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 55 3061.89 -27.58 100.91 226.99 83.30 1 58 57 2461.9 -28.22 92.30
 90.00 20 37 50 3946.10 -8.07 157.72 220.77 62.76 21 43 36 3346.1 -11.65 150.88
 100.00 2 49 40 2733.86 -29.56 77.00 227.22 85.35 3 35 14 2135.9 -29.89 68.21
 100.00 21 38 46 3749.36 -6.31 142.32 219.82 60.72 22 41 16 3149.4 -10.16 135.65
 110.00 4 37 54 2395.24 -34.18 51.49 227.42 90.26 5 17 49 1795.2 -33.77 42.27
 110.00 22 7 2 3660.74 -2.37 133.17 217.38 55.89 23 8 3 3060.7 -6.83 126.92

DIFFERENTIAL CORRECTIONS

TOE 1.9079 TRA .2386 TC3-5.4196 BAU 1.2629
 RDE .2682 RRA -.0721 RC3 .1565 FAU .02565
 FDE .6354 FRA .5491 FC3-1.2746 BSP 16758
 BDE 1.9266 BRA .2493 BC3 5.4218 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 5239.9 SGR 405.4 SG3 138.7
 RRT .1572 RRF .1419 RTF .8793
 SGB 5255.6 R23 .0029 R13 .8793
 SGI 5240.3 SG2 400.3 TMA .70

ORBIT DETERMINATION ACCURACY

ST 2624.6 SR 369.6 SS 599.5
 CRT .9897 CRS -.9330 CST -.9722
 LSA 2713.4 MSA 146.0 SSA 24.1
 EL1 2650.0 EL2 52.4 ALF 7.94

LAUNCH DATE DEC 28 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 516.647

RL 147.12 LAL .00 LOL 96.05 VL 26.426 GAL .96 AZL 86.63 MCA 261.22 SMA 120.01 ECC .22648 INC 3.3728 V1 30.283
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.547 GAP 11.94 AZP 90.51 TAL 176.73 TAP 77.95 RCA 92.83 APO 147.19 V2 34.858
 RC 185.395 GL 21.54 GP -5.29 ZAL 83.28 ZAP 171.57 ETS 322.35 ZAE 131.35 ETE 184.94 ZAC 99.44 ETC 167.45 CLP-173.43

PLANETOCENTRIC CONIC

C3 17.926 VHL 4.234 DLA 24.95 RAL 3.16 RAD 6567.7 VEL 11.803 PTH 2.09 VMP 7.818 DPA -6.26 RAP 7.01 ECC 1.2950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 43 3110.98 -27.14 104.44 231.42 81.58 2 2 34 2511.0 -28.02 95.88
 90.00 21 5 12 3910.23 -9.18 155.67 225.43 63.09 22 10 22 3310.2 -12.71 148.78
 100.00 2 54 42 2775.72 -29.29 80.08 231.74 83.75 3 40 58 2175.7 -29.85 71.32
 100.00 22 3 53 3720.73 -7.26 140.72 224.40 60.92 23 5 54 3120.7 -11.08 134.02
 110.00 4 46 1 2427.45 -34.16 54.01 232.11 88.77 5 26 29 1827.5 -33.96 44.77
 110.00 22 29 4 3641.76 -3.10 132.17 221.84 55.94 23 29 46 3041.8 -7.55 125.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9745 TRA .4712 TC3-5.3138 BAU 1.2739
 ROE .2799 RRA -.0730 RC3 .1419 FAU .02422
 FOE .6230 FRA .5887 FC3-1.1699 BSP 16960
 BOE 1.9942 BRA .4768 BC3 5.3157 FSP -447

SGT 5280.2 SGR 412.1 SG3 135.6
 RRT .1816 RRF .1619 RTF .8841
 SGB 5296.3 R23 .0004 R13 .8841
 SG1 5280.7 SG2 405.2 TMA .82

ST 2683.7 SR 380.2 SS 597.0
 CRT .9847 CRS -.9244 CST -.9749
 LSA 2771.6 MSA 145.3 SSA 23.7
 EL1 2709.7 EL2 65.7 ALF 7.95

LAUNCH DATE DEC 28 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 522.164

RL 147.12 LAL .00 LOL 96.05 VL 26.374 GAL 1.54 AZL 86.69 MCA 264.40 SMA 119.71 ECC .23043 INC 3.3084 V1 30.283
 RP 108.68 LAP -3.29 LOP .44 VP 36.519 GAP 12.25 AZP 90.32 TAL 174.85 TAP 79.25 RCA 92.13 APO 147.29 V2 34.868
 RC 187.357 GL 20.66 GP -5.12 ZAL 79.82 ZAP 172.23 ETS 320.11 ZAE 131.49 ETE 184.83 ZAC 101.78 ETC 167.67 CLP-174.15

PLANETOCENTRIC CONIC

C3 18.600 VHL 4.313 DLA 25.60 RAL 6.99 RAD 6567.8 VEL 11.831 PTH 2.10 VMP 8.000 DPA -5.09 RAP 9.18 ECC 1.3061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 46 3161.39 -26.58 108.02 235.98 79.87 2 6 28 2361.4 -27.71 99.54
 90.00 21 32 40 3877.11 -10.19 153.77 230.28 63.44 22 37 17 3277.1 -13.68 146.83
 100.00 3 0 19 2817.91 -28.94 83.17 236.40 82.16 3 47 16 2217.9 -29.72 74.45
 100.00 22 28 49 3695.82 -8.08 139.33 229.15 61.12 23 30 25 3095.8 -11.87 132.59
 110.00 4 54 48 2459.70 -34.09 56.53 236.96 87.28 5 35 48 1859.7 -34.09 47.28
 110.00 22 50 49 3626.79 -3.67 131.39 226.44 55.99 23 51 16 3026.8 -8.11 125.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0412 TRA .7209 TC3-5.1515 BAU 1.2814
 ROE .2930 RRA -.0721 RC3 .1265 FAU .02271
 FOE .6124 FRA .6321 FC3-1.0571 BSP 17028
 BOE 2.0622 BRA .7245 BC3 5.1531 FSP -435

SGT 5312.8 SGR 418.0 SG3 132.7
 RRT .2063 RRF .1843 RTF .8878
 SGB 5329.3 R23 .0001 R13 .8878
 SG1 5313.6 SG2 409.0 TMA .94

ST 2733.7 SR 390.6 SS 594.9
 CRT .9787 CRS -.9154 CST -.9771
 LSA 2820.9 MSA 147.1 SSA 23.0
 EL1 2760.3 EL2 79.4 ALF 7.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 527.648

RL 147.12 LAL .00 LOL 96.05 VL 26.323 GAL 2.14 AZL 86.76 MCA 267.57 SMA 119.42 ECC .23477 INC 3.2448 V1 30.283
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.491 GAP 12.57 AZP 90.14 TAL 172.98 TAP 80.56 RCA 91.38 APO 147.45 V2 34.878
 RC 189.297 GL 19.72 GP -4.97 ZAL 76.39 ZAP 172.85 ETS 317.37 ZAE 131.62 ETE 184.75 ZAC 104.13 ETC 167.86 CLP-174.86

PLANETOCENTRIC CONIC

C3 19.467 VHL 4.412 DLA 26.16 RAL 10.83 RAD 6567.8 VEL 11.868 PTH 2.11 VMP 8.195 DPA -3.93 RAP 11.35 ECC 1.3204
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 14 3212.31 -25.92 111.60 240.65 78.19 2 10 46 2612.3 -27.29 103.21
 90.00 21 59 52 3847.66 -11.08 152.06 235.27 63.77 23 4 0 3247.7 -14.52 145.07
 100.00 3 6 38 2859.63 -28.51 86.20 241.19 80.62 3 54 17 2259.6 -29.51 77.54
 100.00 22 53 10 3675.57 -8.74 138.19 234.04 61.30 23 54 25 3075.6 -12.51 131.43
 110.00 5 4 17 2491.48 -33.96 59.00 241.95 85.82 5 45 49 1891.5 -34.16 49.76
 110.00 23 11 59 3616.47 -4.06 130.85 231.17 56.03 24 12 16 3016.5 -8.49 124.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0999 TRA .9796 TC3-4.9545 BAU 1.2897
 ROE .3073 RRA -.0698 RC3 .1103 FAU .02133
 FOE .5994 FRA .6735 FC3 -.9485 BSP 17189
 BOE 2.1222 BRA .9821 BC3 4.9557 FSP -428

SGT 5344.1 SGR 422.9 SG3 129.8
 RRT .2299 RRF .2059 RTF .8924
 SGB 5360.8 R23 -.0005 R13 .8924
 SG1 5344.9 SG2 411.5 TMA 1.05

ST 2763.0 SR 400.2 SS 589.0
 CRT .9721 CRS -.9062 CST -.9790
 LSA 2849.2 MSA 150.2 SSA 22.2
 EL1 2790.2 EL2 93.0 ALF 8.02

LAUNCH DATE DEC 28 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 533.096

RL 147.12 LAL .00 LOL 96.05 VL 26.272 GAL 2.77 AZL 86.82 MCA 270.75 SMA 119.13 ECC .23955 INC 3.1814 V1 30.283
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.465 GAP 12.92 AZP 89.96 TAL 171.12 TAP 81.87 RCA 90.60 APO 147.67 V2 34.889
 RC 191.216 GL 18.74 GP -4.83 ZAL 72.98 ZAP 173.45 ETS 314.02 ZAE 131.75 ETE 184.67 ZAC 106.49 ETC 168.01 CLP-175.57

PLANETOCENTRIC CONIC

C3 20.547 VHL 4.533 DLA 26.64 RAL 14.66 RAD 6567.8 VEL 11.913 PTH 2.12 VMP 8.403 DPA -2.79 RAP 13.54 ECC 1.3382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 20 3262.72 -25.17 115.11 245.39 76.59 2 15 43 2662.7 -26.77 106.80
 90.00 22 26 21 3822.96 -11.82 150.63 240.37 64.08 23 30 4 3223.0 -15.21 143.59
 100.00 3 13 51 2900.01 -28.03 89.10 246.07 79.17 4 2 11 2300.0 -29.24 80.51
 100.00 23 16 32 3660.90 -9.22 137.37 239.01 61.44 24 17 33 3060.9 -12.97 130.58
 110.00 5 14 32 2522.38 -33.78 61.39 247.04 84.42 5 56 34 1922.4 -34.18 52.17
 110.00 23 32 20 3611.30 -4.26 130.58 235.97 56.05 24 32 31 3011.3 -8.69 124.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.1532 TRA 1.2528 TC3-4.7182 BAU 1.2963
 ROE .3226 RRA -.0658 RC3 .0940 FAU .01997
 FOE .5856 FRA .7159 FC3 -.8416 BSP 17333
 BOE 2.1772 BRA 1.2545 BC3 4.7191 FSP -421

SGT 5370.5 SGR 426.9 SG3 126.8
 RRT .2533 RRF .2277 RTF .8970
 SGB 5387.4 R23 -.0009 R13 .8970
 SG1 5371.5 SG2 412.9 TMA 1.16

ST 2776.0 SR 408.8 SS 581.1
 CRT .9647 CRS -.8965 CST -.9806
 LSA 2861.2 MSA 154.9 SSA 21.2
 EL1 2803.9 EL2 106.5 ALF 8.10

LAUNCH DATE DEC 28 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 96.05 VL 26.222 GAL 3.44 AZL 86.88 HCA 273.93 SMA 118.86 ECC .24480 INC 3.1178 V1 30.283
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.440 GAP 13.29 AZP 89.79 TAL 169.26 TAP 83.19 RCA 89.76 APO 147.95 V2 34.900
 RC 193.113 GL 17.72 GP -4.71 ZAL 69.64 ZAP 174.00 ETS 309.93 ZAE 131.88 ETE 184.60 ZAC 108.85 ETC 168.13 CLP-176.28

PLANETOCENTRIC CONIC

C3 21.870 VHL 4.677 DLA 27.01 RAL 18.46 RAD 6567.9 VEL 11.969 PTH 2.13 VHP 8.628 DPA -1.66 RAP 15.73 ECC 1.3599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 23 3311.30 -24.36 118.44 250.18 75.10 2 21 34 2711.3 -26.17 110.23
 90.00 22 51 34 3804.39 -12.37 149.54 245.52 64.32 23 54 58 3204.4 -15.73 142.47
 100.00 3 22 7 2938.20 -27.51 91.82 251.03 77.83 4 11 5 2338.2 -28.91 83.30
 100.00 23 38 31 3652.72 -9.49 136.90 244.02 61.52 24 39 24 3052.7 -13.22 130.10
 110.00 5 25 32 2552.03 -33.56 63.68 252.21 83.08 6 8 4 1952.0 -34.15 54.49
 110.00 23 51 36 3611.65 -4.24 130.60 240.82 56.05 24 51 47 3011.7 -8.67 124.31

DIFFERENTIAL CORRECTIONS

TOE 2.2049 TRA 1.5450 TC3-4.4414 BAU 1.2988
 ROE .3393 RRA -.0600 RC3 .0784 FAU .01856
 FDE .5734 FRA .7608 FC3 -.7349 BSP 17361
 BOE 2.2308 BRA 1.5462 BC3 4.4421 FSP -410

MID-COURSE EXECUTION ACCURACY

SGT 5391.4 SGR 430.1 SG3 124.0
 RRT .2773 RRF .2515 RTF .9013
 SGB 5408.6 R23 .0001 R13 .9013
 SG1 5392.8 SG2 413.1 TMA 1.27

ORBIT DETERMINATION ACCURACY

ST 2778.4 SR 416.4 SS 573.8
 CRT .9567 CRS -.8867 CST -.9821
 LSA 2862.8 MSA 160.9 SSA 20.2
 EL1 2806.8 EL2 120.0 ALF 8.17

LAUNCH DATE DEC 28 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 96.05 VL 26.174 GAL 4.13 AZL 86.95 HCA 277.12 SMA 118.58 ECC .25057 INC 3.0538 V1 30.283
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.416 GAP 13.69 AZP 89.62 TAL 167.42 TAP 84.53 RCA 88.87 APO 148.30 V2 34.912
 RC 194.989 GL 16.68 GP -4.59 ZAL 66.38 ZAP 174.51 ETS 304.91 ZAE 132.00 ETE 184.54 ZAC 111.22 ETC 168.21 CLP-177.00

PLANETOCENTRIC CONIC

C3 23.467 VHL 4.844 DLA 27.29 RAL 22.18 RAD 6568.0 VEL 12.035 PTH 2.15 VHP 8.870 DPA -.55 RAP 17.93 ECC 1.3862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 50 3336.29 -23.54 121.48 255.03 73.79 2 28 46 2756.3 -25.54 113.38
 90.00 23 14 50 3793.66 -12.69 148.91 250.68 64.47 24 18 4 3193.7 -16.02 141.82
 100.00 3 31 38 2973.33 -26.98 94.30 256.03 76.62 4 21 11 2373.3 -28.56 85.85
 100.00 0 2 39 3651.86 -9.52 136.85 249.04 61.53 1 3 31 3051.9 -13.25 130.05
 110.00 5 37 16 2580.16 -33.31 65.84 257.42 81.83 6 20 16 1980.2 -34.08 56.68
 110.00 0 13 30 3617.79 -4.01 130.92 245.68 56.02 1 13 48 3017.8 -8.44 124.64

DIFFERENTIAL CORRECTIONS

TOE 2.2455 TRA 1.8481 TC3-4.1490 BAU 1.3019
 ROE .3567 RRA -.0526 RC3 .0634 FAU .01729
 FDE .5588 FRA .8050 FC3 -.6379 BSP 17485
 BOE 2.2736 BRA 1.8489 BC3 4.1495 FSP -403

MID-COURSE EXECUTION ACCURACY

SGT 5409.4 SGR 432.0 SG3 121.2
 RRT .3001 RRF .2738 RTF .9062
 SGB 5426.6 R23 .0002 R13 .9062
 SG1 5411.0 SG2 412.0 TMA 1.38

ORBIT DETERMINATION ACCURACY

ST 2759.0 SR 422.4 SS 563.4
 CRT .9479 CRS -.8760 CST -.9834
 LSA 2842.5 MSA 167.8 SSA 19.1
 EL1 2788.0 EL2 133.2 ALF 8.28

LAUNCH DATE DEC 28 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 96.05 VL 26.126 GAL 4.87 AZL 87.01 HCA 280.30 SMA 118.32 ECC .25692 INC 2.9887 V1 30.283
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.393 GAP 14.12 AZP 89.46 TAL 165.59 TAP 85.89 RCA 87.92 APO 148.72 V2 34.924
 RC 196.842 GL 15.63 GP -4.49 ZAL 63.21 ZAP 174.96 ETS 298.82 ZAE 132.11 ETE 184.49 ZAC 113.58 ETC 168.25 CLP-177.72

PLANETOCENTRIC CONIC

C3 25.379 VHL 5.038 DLA 27.47 RAL 25.81 RAD 6568.0 VEL 12.114 PTH 2.17 VHP 9.131 DPA .55 RAP 20.13 ECC 1.4177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 12 3395.69 -22.77 124.10 259.92 72.70 2 37 48 2795.7 -24.92 116.10
 90.00 23 35 26 3792.72 -12.71 148.86 255.79 64.48 24 38 39 3192.7 -16.05 141.76
 100.00 3 42 28 3004.76 -26.47 96.50 261.08 75.58 4 32 33 2404.8 -28.19 88.12
 100.00 0 20 47 3658.87 -9.29 137.25 254.01 61.46 1 21 46 3058.9 -13.03 130.46
 110.00 5 49 41 2606.66 -33.03 67.86 262.67 80.66 6 33 8 2006.7 -33.97 58.74
 110.00 0 30 4 3629.75 -3.55 131.54 250.50 55.98 1 30 34 3029.7 -8.00 125.27

DIFFERENTIAL CORRECTIONS

TOE 2.2798 TRA 2.1683 TC3-3.8384 BAU 1.3025
 ROE .3750 RRA -.0434 RC3 .0497 FAU .01604
 FDE .5444 FRA .8507 FC3 -.5473 BSP 17590
 BOE 2.3105 BRA 2.1687 BC3 3.8387 FSP -396

MID-COURSE EXECUTION ACCURACY

SGT 5422.6 SGR 433.0 SG3 118.3
 RRT .3228 RRF .2965 RTF .9112
 SGB 5439.9 R23 .0007 R13 .9112
 SG1 5424.4 SG2 409.7 TMA 1.48

ORBIT DETERMINATION ACCURACY

ST 2726.1 SR 426.8 SS 552.6
 CRT .9383 CRS -.8649 CST -.9846
 LSA 2808.6 MSA 175.4 SSA 18.1
 EL1 2755.5 EL2 146.0 ALF 8.38

LAUNCH DATE DEC 28 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

RL 147.12 LAL .00 LOL 96.05 VL 26.079 GAL 5.64 AZL 87.08 HCA 283.49 SMA 118.06 ECC .26390 INC 2.9224 V1 30.283
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.371 GAP 14.59 AZP 89.32 TAL 163.78 TAP 87.27 RCA 86.90 APO 149.22 V2 34.936
 RC 198.673 GL 14.57 GP -4.39 ZAL 60.15 ZAP 175.34 ETS 291.49 ZAE 132.22 ETE 184.44 ZAC 115.95 ETC 168.25 CLP-178.44

PLANETOCENTRIC CONIC

C3 27.652 VHL 5.259 DLA 27.55 RAL 29.33 RAD 6568.1 VEL 12.208 PTH 2.19 VHP 9.415 DPA 1.63 RAP 22.34 ECC 1.4551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 0 3427.60 -22.11 126.21 264.86 71.84 2 49 7 2827.6 -24.38 118.28
 90.00 23 52 42 3803.34 -12.40 149.48 260.78 64.34 24 56 5 3203.3 -15.76 142.41
 100.00 3 54 39 3032.17 -25.99 98.39 266.14 74.69 4 45 12 2432.2 -27.84 90.08
 100.00 0 36 39 3674.00 -8.79 138.10 258.90 61.32 1 37 53 3074.0 -12.56 131.34
 110.00 6 2 41 2631.52 -32.74 69.74 267.91 79.58 6 46 32 2031.5 -33.83 60.67
 110.00 0 45 7 3647.42 -2.88 132.47 255.28 55.92 1 45 54 3047.4 -7.33 126.21

DIFFERENTIAL CORRECTIONS

TOE 2.3079 TRA 2.5065 TC3-3.5180 BAU 1.3006
 ROE .3940 RRA -.0323 RC3 .0374 FAU .01483
 FDE .5299 FRA .8981 FC3 -.4642 BSP 17682
 BOE 2.3413 BRA 2.5068 BC3 3.5182 FSP -388

MID-COURSE EXECUTION ACCURACY

SGT 5431.6 SGR 432.9 SG3 115.6
 RRT .3452 RRF .3192 RTF .9163
 SGB 5448.8 R23 .0012 R13 .9163
 SG1 5433.7 SG2 406.2 TMA 1.59

ORBIT DETERMINATION ACCURACY

ST 2681.4 SR 429.5 SS 541.6
 CRT .9278 CRS -.8531 CST -.9857
 LSA 2762.9 MSA 183.5 SSA 17.1
 EL1 2711.0 EL2 158.5 ALF 8.48

LAUNCH DATE DEC 28 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 559.544

RL 147.12 LAL .00 LOL 96.05 VL 26.032 GAL 6.46 AZL 87.15 MCA 286.68 SMA 117.81 ECC .27160 INC 2.8541 V1 30.283
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.350 GAP 15.10 ATP 89.18 TAL 161.99 TAP 88.67 RCA 85.81 APO 149.80 V2 34.948
 RC 200.481 GL 13.52 GP -4.31 ZAL 57.22 ZAP 175.62 ETS 282.91 ZAE 132.31 ETE 184.40 ZAC 118.30 ETC 168.22 CLP-179.18

PLANETOCENTRIC CONIC

C3 30.344 VHL 5.509 DLA 27.56 RAL 32.71 RAD 6568.2 VEL 12.317 PTH 2.22 VHP 9.723 DPA 2.69 RAP 24.55 ECC 1.4994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 23 3451.16 -21.60 127.75 269.86 71.23 3 2 54 2851.2 -23.96 119.88
 90.00 0 10 13 3826.23 -11.72 150.82 265.62 64.04 1 13 59 3226.2 -15.12 143.79
 100.00 4 8 5 3055.58 -25.56 100.00 271.21 73.95 4 59 1 2455.6 -27.51 91.74
 100.00 0 50 12 3697.03 -8.04 139.40 263.68 61.11 1 51 49 3097.0 -11.83 132.66
 110.00 6 16 8 2654.85 -32.44 71.49 273.13 78.58 7 0 23 2054.8 -33.67 62.48
 110.00 0 58 38 3670.53 -2.00 133.68 259.97 55.87 1 59 49 3070.5 -6.46 127.44

DIFFERENTIAL CORRECTIONS

TDE 2.3341 TRA 2.8687 TC3-3.1891 BAU 1.2938
 RDE .4137 RRA -.0192 RC3 .0270 FAU .01359
 FDE .5173 FRA .9490 FC3 -.3876 BSP 17665
 BDE 2.3705 BRA 2.8688 BC3 3.1892 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 5437.5 SGR 432.0 SG3 113.0
 RRT .3681 RRF .3430 RTF .9213
 SGB 5454.6 R23 .0021 R13 .9213
 SGI 5439.8 SG2 401.4 TMA 1.68

ORBIT DETERMINATION ACCURACY

ST 2631.5 SR 430.4 SS 532.2
 CRT .9164 CRS -.8410 CST -.9868
 LSA 2712.2 MSA 191.7 SSA 16.2
 EL1 2661.0 EL2 170.4 ALF 8.56

LAUNCH DATE DEC 28 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 564.608

RL 147.12 LAL .00 LOL 96.05 VL 25.987 GAL 7.33 AZL 87.22 MCA 289.87 SMA 117.56 ECC .28008 INC 2.7835 V1 30.283
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.330 GAP 15.65 ATP 89.05 TAL 160.24 TAP 90.11 RCA 84.63 APO 150.49 V2 34.961
 RC 202.264 GL 12.49 GP -4.22 ZAL 54.42 ZAP 175.77 ETS 273.24 ZAE 132.39 ETE 184.36 ZAC 120.65 ETC 168.13 CLP-179.92

PLANETOCENTRIC CONIC

C3 33.523 VHL 5.790 DLA 27.48 RAL 35.94 RAD 6568.3 VEL 12.446 PTH 2.25 VHP 10.060 DPA 3.73 RAP 26.76 ECC 1.5517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 3 3467.07 -21.25 128.78 274.89 70.83 3 18 50 2867.1 -23.67 120.95
 90.00 0 20 19 3860.46 -10.70 152.81 270.29 63.62 1 24 40 3260.5 -14.16 145.84
 100.00 4 22 33 3075.39 -25.18 101.35 276.27 73.33 5 13 48 2475.4 -27.22 93.14
 100.00 1 1 31 3727.37 -7.04 141.09 268.34 60.87 2 3 38 3127.4 -10.87 134.40
 110.00 6 29 54 2676.84 -32.13 73.13 278.32 77.66 7 14 31 2076.8 -33.50 64.17
 110.00 1 10 39 3698.68 -.92 135.15 264.57 55.83 2 12 17 3098.7 -5.40 128.92

DIFFERENTIAL CORRECTIONS

TDE 2.3516 TRA 3.2474 TC3-2.8684 BAU 1.2856
 RDE .4337 RRA -.0043 RC3 .0180 FAU .01245
 FDE .5035 FRA 1.0006 FC3 -.3215 BSP 17705
 BDE 2.3912 BRA 3.2474 BC3 2.8685 FSP -371

MID-COURSE EXECUTION ACCURACY

SGT 5437.7 SGR 429.7 SG3 110.4
 RRT .3902 RRF .3654 RTF .9267
 SGB 5454.7 R23 .0020 R13 .9268
 SGI 5440.3 SG2 395.5 TMA 1.78

ORBIT DETERMINATION ACCURACY

ST 2570.2 SR 429.2 SS 521.8
 CRT .9039 CRS -.8279 CST -.9878
 LSA 2650.0 MSA 199.8 SSA 15.3
 EL1 2599.5 EL2 181.5 ALF 8.63

LAUNCH DATE DEC 28 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 569.563

RL 147.12 LAL .00 LOL 96.05 VL 25.942 GAL 8.26 AZL 87.29 MCA 293.06 SMA 117.32 ECC .28946 INC 2.7100 V1 30.283
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.310 GAP 16.26 ATP 88.94 TAL 158.52 TAP 91.58 RCA 83.36 APO 151.28 V2 34.974
 RC 204.023 GL 11.47 GP -4.15 ZAL 51.75 ZAP 175.79 ETS 262.94 ZAE 132.45 ETE 184.33 ZAC 122.99 ETC 168.01 CLP 179.32

PLANETOCENTRIC CONIC

C3 37.275 VHL 6.105 DLA 27.34 RAL 39.01 RAD 6568.5 VEL 12.595 PTH 2.28 VHP 10.428 DPA 4.75 RAP 28.97 ECC 1.6135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 20 3477.28 -21.02 129.45 279.92 70.57 3 36 17 2877.3 -23.48 121.64
 90.00 0 27 32 3903.84 -9.37 155.31 274.78 63.16 1 32 36 3303.8 -12.90 148.41
 100.00 4 37 46 3092.25 -24.85 102.49 281.30 72.82 5 29 18 2492.3 -26.96 94.33
 100.00 1 10 47 3764.09 -5.82 143.13 272.86 60.63 2 13 31 3164.1 -9.69 136.48
 110.00 6 43 50 2697.75 -31.82 74.68 283.45 76.79 7 28 47 2097.7 -33.31 65.77
 110.00 1 21 13 3731.36 .33 136.85 269.06 55.82 2 23 24 3131.4 -4.16 130.64

DIFFERENTIAL CORRECTIONS

TDE 2.3623 TRA 3.6492 TC3-2.5562 BAU 1.2738
 RDE .4539 RRA .0124 RC3 .0108 FAU .01133
 FDE .4906 FRA 1.0554 FC3 -.2632 BSP 17803
 BDE 2.4056 BRA 3.6492 BC3 2.5562 FSP -364

MID-COURSE EXECUTION ACCURACY

SGT 5433.1 SGR 426.4 SG3 107.9
 RRT .4117 RRF .3880 RTF .9321
 SGB 5449.8 R23 .0024 R13 .9321
 SGI 5436.0 SG2 388.4 TMA 1.86

ORBIT DETERMINATION ACCURACY

ST 2502.2 SR 426.0 SS 512.8
 CRT .8902 CRS -.8143 CST -.9889
 LSA 2581.2 MSA 207.5 SSA 14.5
 EL1 2531.0 EL2 191.9 ALF 8.67

LAUNCH DATE DEC 28 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 574.388

RL 147.12 LAL .00 LOL 96.05 VL 25.899 GAL 9.25 AZL 87.37 MCA 296.26 SMA 117.09 ECC .29985 INC 2.6328 V1 30.283
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.292 GAP 16.93 ATP 88.83 TAL 156.84 TAP 93.10 RCA 81.98 APO 152.19 V2 34.987
 RC 205.757 GL 10.48 GP -4.08 ZAL 49.24 ZAP 175.66 ETS 252.68 ZAE 132.50 ETE 184.29 ZAC 125.31 ETC 167.83 CLP 178.54

PLANETOCENTRIC CONIC

C3 41.705 VHL 6.458 DLA 27.13 RAL 41.91 RAD 6568.6 VEL 12.770 PTH 2.32 VHP 10.832 DPA 5.74 RAP 31.18 ECC 1.6864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 27 3483.95 -20.87 129.88 284.92 70.41 3 54 31 2884.0 -23.35 122.08
 90.00 0 32 33 3953.89 -7.82 158.17 279.10 62.70 1 38 27 3353.9 -11.42 151.34
 100.00 4 53 25 3106.90 -24.55 103.47 286.27 72.38 5 45 12 2506.9 -26.73 95.35
 100.00 1 18 16 3806.17 -4.41 145.46 277.24 60.40 2 21 42 3206.2 -8.31 138.85
 110.00 6 57 45 2717.81 -31.50 76.16 288.50 75.97 7 43 3 2117.8 -33.10 67.30
 110.00 1 30 25 3768.03 1.73 138.76 273.43 55.86 2 33 13 3168.0 -2.76 132.56

DIFFERENTIAL CORRECTIONS

TDE 2.3716 TRA 4.0776 TC3-2.2550 BAU 1.2573
 RDE .4743 RRA .0312 RC3 .0052 FAU .01023
 FDE .4787 FRA 1.1138 FC3 -.2124 BSP 17854
 BDE 2.4186 BRA 4.0777 BC3 2.2550 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 5425.2 SGR 422.0 SG3 105.4
 RRT .4333 RRF .4105 RTF .9376
 SGB 5441.6 R23 .0025 R13 .9376
 SGI 5428.3 SG2 380.1 TMA 1.94

ORBIT DETERMINATION ACCURACY

ST 2433.5 SR 420.9 SS 505.2
 CRT .8755 CRS -.8003 CST -.9900
 LSA 2511.6 MSA 214.4 SSA 13.7
 EL1 2461.5 EL2 201.1 ALF 8.67

LAUNCH DATE DEC 28 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 579.059

RL 147.12 LAL .00 LOL 96.05 VL 25.856 GAL 10.31 AZL 87.45 MCA 299.46 SMA 116.86 ECC .31137 INC 2.5511 V1 30.283
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.274 GAP 17.66 AZP 88.74 TAL 155.21 TAP 94.67 RCA 80.47 APO 153.24 V2 35.000
 RC 207.465 GL 9.51 GP -4.02 ZAL 46.87 ZAP 175.39 ETS 243.08 ZAE 132.51 ETE 184.26 ZAC 127.60 ETC 167.61 CLP 177.74

PLANETOCENTRIC CONIC

C3 46.944 VHL 6.852 DLA 26.87 RAL 44.64 RAD 6568.8 VEL 12.973 PTH 2.37 VHP 11.278 DPA 6.70 RAP 33.38 ECC 1.7726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 14 48 3488.85 -20.75 130.19 289.86 70.29 4 12 57 2888.9 -23.25 122.41
 90.00 0 35 55 4008.52 -6.10 161.26 283.27 62.30 1 42 44 3408.5 -9.77 154.50
 100.00 5 9 13 3120.05 -24.27 104.35 291.16 72.00 6 1 13 2520.0 -26.51 96.27
 100.00 1 24 12 3852.56 -2.84 148.02 281.48 60.23 2 28 25 3252.6 -6.78 141.45
 110.00 7 11 33 2737.25 -31.17 77.58 293.45 75.19 7 57 10 2137.2 -32.88 68.78
 110.00 1 38 22 3808.12 3.26 140.86 277.68 55.95 2 41 50 3208.1 -1.23 134.65

DIFFERENTIAL CORRECTIONS

TDE 2.3835 TRA 4.5391 TC3-1.9643 BAU 1.2328
 RDE .4949 RRA .0520 RC3 .0013 FAU .00909
 FDE .4693 FRA 1.1775 FC3 -.1676 BSP 17783
 BDE 2.4343 BRA 4.5394 BC3 1.9643 FSP -347

MID-COURSE EXECUTION ACCURACY

SGT 5415.2 SGR 416.7 SG3 103.1
 RRT .4554 RRF .4338 RTF .9432
 SGB 5431.2 R23 .0026 R13 .9432
 SG1 5418.5 SG2 370.8 TMA 2.02

ORBIT DETERMINATION ACCURACY

ST 2368.3 SR 414.1 SS 500.5
 CRT .8601 CRS -.7865 CST -.9912
 LSA 2445.8 MSA 220.3 SSA 13.0
 EL1 2395.1 EL2 208.9 ALF 8.62

LAUNCH DATE DEC 28 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 583.541

RL 147.12 LAL .00 LOL 96.05 VL 25.815 GAL 11.47 AZL 87.54 MCA 302.66 SMA 116.64 ECC .32419 INC 2.4641 V1 30.283
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.257 GAP 18.48 AZP 88.67 TAL 153.65 TAP 96.30 RCA 78.83 APO 154.45 V2 35.014
 RC 209.146 GL 8.58 GP -3.96 ZAL 44.66 ZAP 174.97 ETS 234.57 ZAE 132.50 ETE 184.22 ZAC 129.87 ETC 167.33 CLP 176.91

PLANETOCENTRIC CONIC

C3 53.155 VHL 7.291 DLA 26.56 RAL 47.18 RAD 6568.9 VEL 13.210 PTH 2.41 VHP 11.773 DPA 7.63 RAP 35.58 ECC 1.8748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 32 57 3493.13 -20.65 130.47 294.70 70.19 4 31 10 2893.1 -23.17 122.70
 90.00 0 38 4 4066.18 -4.27 164.50 287.30 61.98 1 45 51 3466.2 -7.99 157.80
 100.00 5 24 54 3132.25 -24.02 105.17 295.96 71.64 6 17 6 2532.2 -26.30 97.11
 100.00 1 28 49 3902.29 -1.16 150.75 285.57 60.13 2 33 51 3302.3 -5.12 144.21
 110.00 7 25 4 2756.24 -30.83 78.95 298.30 74.44 8 11 0 2156.2 -32.65 70.21
 110.00 1 45 8 3851.07 4.89 143.11 281.81 56.13 2 49 19 3251.1 .41 136.89

DIFFERENTIAL CORRECTIONS

TDE 2.3891 TRA 5.0276 TC3-1.6949 BAU 1.2044
 RDE .5152 RRA .0746 RC3 -.0015 FAU .00801
 FDE .4598 FRA 1.2447 FC3 -.1305 BSP 17817
 BDE 2.4440 BRA 5.0282 BC3 1.6949 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 5398.6 SGR 410.2 SG3 100.9
 RRT .4765 RRF .4560 RTF .9488
 SGB 5414.2 R23 .0022 R13 .9488
 SG1 5402.1 SG2 360.4 TMA 2.08

ORBIT DETERMINATION ACCURACY

ST 2299.3 SR 403.4 SS 496.4
 CRT .8436 CRS -.7720 CST -.9923
 LSA 2376.3 MSA 225.1 SSA 12.3
 EL1 2324.8 EL2 215.3 ALF 8.53

LAUNCH DATE DEC 28 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 587.793

RL 147.12 LAL .00 LOL 96.05 VL 25.774 GAL 12.72 AZL 87.63 MCA 305.86 SMA 116.42 ECC .33849 INC 2.3705 V1 30.283
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.241 GAP 19.38 AZP 88.61 TAL 152.15 TAP 98.01 RCA 77.02 APO 155.83 V2 35.027
 RC 210.800 GL 7.68 GP -3.91 ZAL 42.60 ZAP 174.44 ETS 227.26 ZAE 132.45 ETE 184.19 ZAC 132.11 ETC 167.00 CLP 176.04

PLANETOCENTRIC CONIC

C3 60.544 VHL 7.781 DLA 26.21 RAL 49.54 RAD 6569.1 VEL 13.487 PTH 2.47 VHP 12.322 DPA 8.53 RAP 37.75 ECC 1.9964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 35 3497.48 -20.55 130.75 299.42 70.08 4 48 53 2897.5 -23.08 122.99
 90.00 0 39 16 4125.74 -2.36 167.84 291.18 61.77 1 48 2 3525.7 -6.11 161.17
 100.00 5 40 16 3143.91 -23.76 105.94 300.64 71.31 6 32 40 2543.9 -26.09 97.92
 100.00 1 32 17 3954.54 .61 153.61 289.53 60.11 2 38 11 3354.5 -3.37 147.09
 110.00 7 38 12 2774.88 -30.48 80.29 303.01 73.72 8 24 27 2174.9 -32.41 71.61
 110.00 1 50 49 3896.33 6.60 145.49 285.81 56.38 2 55 46 3296.3 2.14 139.25

DIFFERENTIAL CORRECTIONS

TDE 2.3960 TRA 5.5527 TC3-1.4430 BAU 1.1680
 RDE .5354 RRA .0991 RC3 -.0031 FAU .00691
 FDE .4518 FRA 1.3177 FC3 -.0988 BSP 17837
 BDE 2.4551 BRA 5.5536 BC3 1.4430 FSP -334

MID-COURSE EXECUTION ACCURACY

SGT 5378.2 SGR 402.5 SG3 98.7
 RRT .4974 RRF .4782 RTF .9543
 SGB 5393.3 R23 .0018 R13 .9544
 SG1 5382.0 SG2 349.0 TMA 2.14

ORBIT DETERMINATION ACCURACY

ST 2233.1 SR 395.0 SS 494.8
 CRT .8264 CRS -.7577 CST -.9934
 LSA 2309.8 MSA 228.4 SSA 11.6
 EL1 2257.0 EL2 220.0 ALF 8.40

LAUNCH DATE DEC 28 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 591.763

RL 147.12 LAL .00 LOL 96.05 VL 25.735 GAL 14.08 AZL 87.73 MCA 309.07 SMA 116.22 ECC .35449 INC 2.2690 V1 30.283
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.226 GAP 20.39 AZP 88.57 TAL 150.75 TAP 99.82 RCA 75.02 APO 157.42 V2 35.040
 RC 212.427 GL 6.81 GP -3.86 ZAL 40.70 ZAP 173.79 ETS 221.11 ZAE 132.36 ETE 184.15 ZAC 134.30 ETC 166.60 CLP 175.13

PLANETOCENTRIC CONIC

C3 69.378 VHL 8.329 DLA 25.83 RAL 51.71 RAD 6569.3 VEL 13.811 PTH 2.52 VHP 12.937 DPA 9.39 RAP 39.90 ECC 2.1418
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 32 3502.21 -20.44 131.05 303.99 69.97 5 5 55 2902.2 -22.99 123.30
 90.00 0 39 39 4186.41 -.40 171.22 294.91 61.69 1 49 26 3586.4 -4.18 164.58
 100.00 5 55 9 3155.29 -23.51 106.70 305.17 70.99 6 47 44 2555.3 -25.89 98.70
 100.00 1 34 44 4008.57 2.45 156.58 293.33 60.20 2 41 32 3408.6 -1.54 150.06
 110.00 7 50 52 2793.22 -30.12 81.60 307.57 73.02 8 37 25 2193.2 -32.15 72.98
 110.00 1 55 30 3943.40 8.37 148.00 289.68 56.74 3 1 13 3343.4 3.94 141.71

DIFFERENTIAL CORRECTIONS

TDE 2.4053 TRA 6.1189 TC3-1.2096 BAU 1.1220
 RDE .5552 RRA .1254 RC3 -.0037 FAU .00576
 FDE .4458 FRA 1.3975 FC3 -.0719 BSP 17835
 BDE 2.4686 BRA 6.1202 BC3 1.2096 FSP -327

MID-COURSE EXECUTION ACCURACY

SGT 5354.0 SGR 393.8 SG3 96.6
 RRT .5181 RRF .5003 RTF .9598
 SGB 5368.5 R23 .0013 R13 .9598
 SG1 5357.9 SG2 336.6 TMA 2.19

ORBIT DETERMINATION ACCURACY

ST 2170.1 SR 383.0 SS 495.8
 CRT .8088 CRS -.7437 CST -.9944
 LSA 2246.9 MSA 230.1 SSA 11.0
 EL1 2192.3 EL2 222.9 ALF 8.21

LAUNCH DATE DEC 28 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 595.384

RL 147.12 LAL .00 LOL 96.05 VL 25.697 GAL 15.57 AZL 87.84 MCA 312.27 SMA 116.02 ECC .37246 INC 2.1577 V1 30.283
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.212 GAP 21.53 AZP 88.55 TAL 149.45 TAP 101.73 RCA 72.81 APO 159.24 V2 35.053
 RC 214.027 GL 5.98 GP -3.82 ZAL 38.97 ZAP 173.04 ETS 215.97 ZAE 132.22 ETE 184.10 ZAC 136.44 ETC 166.14 CLP 174.18

PLANETOCENTRIC CONIC

C3 79.996 VHL 8.944 DLA 25.42 RAL 53.70 RAD 6569.6 VEL 14.190 PTH 2.58 VHP 13.627 DPA 10.21 RAP 42.02 ECC 2.3165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 41 3507.40 -20.32 131.38 308.40 69.85 5 22 8 2907.4 -22.89 123.65
 90.00 0 39 20 4247.59 1.57 174.63 298.50 61.72 1 50 7 3647.6 -2.22 168.01
 100.00 6 9 26 3166.45 -23.26 107.43 309.53 70.68 7 2 13 2566.5 -25.68 99.47
 100.00 1 36 16 4063.77 4.31 159.62 296.99 60.39 2 43 59 3463.8 .33 153.09
 110.00 8 2 59 2811.20 -29.76 82.88 311.96 72.35 8 49 50 2211.2 -31.88 74.31
 110.00 1 59 12 3991.79 10.17 150.59 293.41 57.19 3 5 44 3391.8 5.77 144.26

DIFFERENTIAL CORRECTIONS

TOE 2.4235 TRA 6.7362 TC3 -.9927 BAU 1.0617
 RDE .5750 RRA .1537 RC3 -.0033 FAU .00450
 FDE .4429 FRA 1.4864 FC3 -.0487 BSP 17712
 BDE 2.4907 BRA 6.7380 BC3 .9927 FSP -318

MID-COURSE EXECUTION ACCURACY

SGT 5328.2 SGR 384.2 SG3 94.6
 RRT .5389 RRF .5227 RTF .9651
 SGB 5342.1 R23 .0008 R13 .9651
 SG1 5332.3 SG2 323.4 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 2113.6 SR 369.8 SS 500.2
 CRT .7916 CRS -.7310 CST -.9954
 LSA 2191.2 MSA 229.9 SSA 10.4
 EL1 2134.0 EL2 223.8 ALF 7.97

LAUNCH DATE DEC 28 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 598.565

RL 147.12 LAL .00 LOL 96.05 VL 25.661 GAL 17.23 AZL 87.97 MCA 315.48 SMA 115.83 ECC .39272 INC 2.0344 V1 30.283
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.199 GAP 22.82 AZP 88.55 TAL 148.28 TAP 103.77 RCA 70.34 APO 161.32 V2 35.067
 RC 215.599 GL 5.18 GP -3.77 ZAL 37.41 ZAP 172.19 ETS 211.65 ZAE 132.01 ETE 184.05 ZAC 138.52 ETC 165.61 CLP 173.16

PLANETOCENTRIC CONIC

C3 92.846 VHL 9.636 DLA 24.98 RAL 55.48 RAD 6569.8 VEL 14.635 PTH 2.65 VHP 14.407 DPA 11.00 RAP 44.10 ECC 2.5280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 56 3512.93 -20.19 131.74 312.60 69.72 5 37 29 2912.9 -22.77 124.01
 90.00 0 38 19 4308.83 3.55 178.06 301.92 61.89 1 50 8 3708.8 -.24 171.42
 100.00 6 23 1 3177.36 -23.02 108.15 313.70 70.58 7 15 59 2577.4 -25.48 100.22
 100.00 1 36 56 4119.63 6.18 162.71 300.48 60.70 2 45 35 3519.6 2.23 156.15
 110.00 8 14 28 2828.71 -29.39 84.11 316.14 71.70 9 1 37 2228.7 -31.60 75.60
 110.00 2 1 59 4041.05 11.97 153.27 296.99 57.74 3 9 20 3441.0 7.63 146.86

DIFFERENTIAL CORRECTIONS

TOE 2.4421 TRA 7.4011 TC3 -.7975 BAU .9899
 RDE .5942 RRA .1834 RC3 -.0025 FAU .00318
 FDE .4409 FRA 1.5832 FC3 -.0297 BSP 17718
 BDE 2.5133 BRA 7.4034 BC3 .7975 FSP -313

MID-COURSE EXECUTION ACCURACY

SGT 5295.5 SGR 373.3 SG3 92.7
 RRT .5588 RRF .5441 RTF .9702
 SGB 5308.6 R23 .0001 R13 .9702
 SG1 5299.6 SG2 309.3 THA 2.26

ORBIT DETERMINATION ACCURACY

ST 2057.2 SR 355.2 SS 506.8
 CRT .7742 CRS -.7182 CST -.9963
 LSA 2136.1 MSA 228.0 SSA 9.8
 EL1 2075.7 EL2 222.8 ALF 7.70

LAUNCH DATE DEC 28 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 601.192

RL 147.12 LAL .00 LOL 96.05 VL 25.627 GAL 19.06 AZL 88.10 MCA 318.70 SMA 115.66 ECC .41564 INC 1.8961 V1 30.283
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.188 GAP 24.28 AZP 88.58 TAL 147.27 TAP 105.97 RCA 67.58 APO 163.73 V2 35.080
 RC 217.144 GL 4.41 GP -3.73 ZAL 36.03 ZAP 171.23 ETS 207.99 ZAE 131.72 ETE 184.00 ZAC 140.52 ETC 165.02 CLP 172.06

PLANETOCENTRIC CONIC

C3 108.512 VHL 10.417 DLA 24.52 RAL 57.06 RAD 6570.1 VEL 15.161 PTH 2.72 VHP 15.293 DPA 11.73 RAP 46.12 ECC 2.7858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 16 3518.58 -20.06 132.10 316.57 69.58 5 51 54 2918.6 -22.66 124.39
 90.00 0 36 38 4369.72 5.49 181.48 305.17 62.18 1 49 27 3769.7 1.72 174.82
 100.00 6 35 50 3187.86 -22.77 108.83 317.64 70.10 7 28 58 2587.9 -25.28 100.93
 100.00 1 36 44 4175.68 8.04 165.83 303.79 61.11 2 46 20 3575.7 4.12 159.24
 110.00 8 25 15 2845.55 -29.03 85.28 320.09 71.10 9 12 41 2245.5 -31.33 76.83
 110.00 2 3 49 4090.76 13.76 156.00 300.39 58.40 3 11 59 3490.8 9.48 149.52

DIFFERENTIAL CORRECTIONS

TOE 2.4704 TRA 8.1277 TC3 -.6200 BAU .8995
 RDE .6131 RRA .2146 RC3 -.0011 FAU .00169
 FDE .4417 FRA 1.6914 FC3 -.0135 BSP 17692
 BDE 2.5453 BRA 8.1305 BC3 .6200 FSP -307

MID-COURSE EXECUTION ACCURACY

SGT 5259.0 SGR 361.3 SG3 90.8
 RRT .5782 RRF .5650 RTF .9749
 SGB 5271.4 R23 -.0005 R13 .9749
 SG1 5263.2 SG2 294.6 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 2005.1 SR 339.4 SS 517.0
 CRT .7575 CRS -.7067 CST -.9971
 LSA 2086.3 MSA 224.2 SSA 9.2
 EL1 2021.8 EL2 219.8 ALF 7.39

LAUNCH DATE DEC 28 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 603.111

RL 147.12 LAL .00 LOL 96.05 VL 25.594 GAL 21.12 AZL 88.26 MCA 321.91 SMA 115.49 ECC .44167 INC 1.7387 V1 30.283
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.177 GAP 25.96 AZP 88.63 TAL 146.46 TAP 108.37 RCA 64.48 APO 166.50 V2 35.092
 RC 218.662 GL 3.67 GP -3.70 ZAL 34.85 ZAP 170.15 ETS 204.87 ZAE 131.34 ETE 183.94 ZAC 142.43 ETC 164.36 CLP 170.87

PLANETOCENTRIC CONIC

C3 127.780 VHL 11.304 DLA 24.03 RAL 58.43 RAD 6570.4 VEL 15.783 PTH 2.80 VHP 16.306 DPA 12.42 RAP 48.07 ECC 3.1029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 36 3524.01 -19.93 132.44 320.28 69.46 6 5 20 2924.0 -22.55 124.75
 90.00 0 34 11 4429.98 7.39 184.88 308.22 62.59 1 48 1 3830.0 3.66 178.19
 100.00 6 47 49 3197.68 -22.54 109.47 321.32 69.83 7 41 6 2597.7 -25.09 101.60
 100.00 1 35 39 4231.54 9.86 168.98 306.90 61.64 2 46 11 3631.5 5.99 162.32
 110.00 8 35 17 2861.45 -28.67 86.38 323.77 70.53 9 22 58 2261.5 -31.05 77.99
 110.00 2 4 41 4140.53 15.52 158.79 303.60 59.15 3 13 41 3540.5 11.31 152.21

DIFFERENTIAL CORRECTIONS

TOE 2.5114 TRA 8.9246 TC3 -.4599 BAU .7857
 RDE .6317 RRA .2469 RC3 .0005 FAU -.00004
 FDE .4459 FRA 1.8128 FC3 .0003 BSP 17639
 BDE 2.5896 BRA 8.9281 BC3 .4599 FSP -301

MID-COURSE EXECUTION ACCURACY

SGT 5218.6 SGR 348.3 SG3 89.1
 RRT .5970 RRF .5854 RTF .9794
 SGB 5230.2 R23 -.0012 R13 .9794
 SG1 5222.8 SG2 279.2 THA 2.29

ORBIT DETERMINATION ACCURACY

ST 1956.8 SR 322.8 SS 531.2
 CRT .7419 CRS -.6965 CST -.9977
 LSA 2041.5 MSA 218.6 SSA 8.6
 EL1 1971.6 EL2 214.8 ALF 7.06

LAUNCH DATE DEC 28 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 604.118

RL 147.12 LAL .00 LOL 96.05 VL 25.565 GAL 23.44 AZL 88.44 MCA 325.13 SMA 115.34 ECC .47134 INC 1.5568 V1 30.283
 RP 107.95 LAP -.89 LOP 61.19 VP 36.168 GAP 27.90 AZP 88.72 TAL 145.88 TAP 111.00 RCA 60.97 APO 169.70 V2 35.105
 RC 220.152 GL 2.97 GP -3.66 ZAL 33.89 ZAP 168.94 ETS 202.17 ZAE 130.85 ETE 183.86 ZAC 144.22 ETC 163.65 CLP 169.56

PLANETOCENTRIC CONIC

C3 151.703 VHL 12.317 OLA 23.53 RAL 59.56 RAD 6570.6 VEL 16.524 PTH 2.88 VHP 17.472 DPA 13.06 RAP 49.91 ECC 3.4966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 54 3528.79 -19.82 132.75 323.69 69.35 6 17 43 2928.0 -22.45 125.06
 90.00 0 30 55 4489.31 9.24 188.27 311.03 63.11 1 45 44 3889.3 5.56 181.52
 100.00 6 58 52 3206.48 -22.34 110.04 324.70 69.60 7 52 18 2606.5 -24.91 102.19
 100.00 1 33 38 4286.86 11.63 172.13 309.77 62.27 2 45 5 3686.9 7.83 165.41
 110.00 8 44 28 2876.11 -28.33 87.39 327.14 70.02 9 32 24 2276.1 -30.79 79.05
 110.00 2 4 32 4190.00 17.22 161.61 306.59 60.01 3 14 22 3590.0 13.11 154.92

DIFFERENTIAL CORRECTIONS

TDE 2.5733 TRA 9.8064 TC3 -.3156 BAU .6400
 RDE .6502 RRA .2800 RC3 .0024 FAU-.00217
 FDE .4550 FRA 1.9510 FC3 .0124 BSP 17457
 BDE 2.6542 BRA 9.8104 BC3 .3156 FSP -293

MID-COURSE EXECUTION ACCURACY

SGT 5176.1 SGR 334.2 SG3 87.5
 RRT .6153 RRF .6052 RTF .9834
 SGB 5186.9 R23 -.0018 R13 .9834
 SG1 5180.2 SG2 263.3 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 1913.5 SR 305.5 SS 550.5
 CRT .7283 CRS -.6883 CST -.9983
 LSA 2003.3 MSA 211.1 SSA 8.1
 EL1 1926.5 EL2 207.9 ALF 6.71

LAUNCH DATE DEC 28 1965

FLIGHT TIME 216.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 603.934

RL 147.12 LAL .00 LOL 96.05 VL 25.538 GAL 26.09 AZL 88.66 MCA 328.35 SMA 115.20 ECC .50527 INC 1.3429 V1 30.283
 RP 107.91 LAP -.70 LOP 64.41 VP 36.162 GAP 30.15 AZP 88.86 TAL 145.59 TAP 113.94 RCA 56.99 APO 173.41 V2 35.117
 RC 221.615 GL 2.29 GP -3.62 ZAL 33.16 ZAP 167.58 ETS 199.80 ZAE 130.21 ETE 183.78 ZAC 145.87 ETC 162.90 CLP 168.11

PLANETOCENTRIC CONIC

C3 181.718 VHL 13.480 OLA 23.00 RAL 60.44 RAD 6571.0 VEL 17.408 PTH 2.96 VHP 18.823 DPA 13.63 RAP 51.63 ECC 3.9906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 7 3532.45 -19.73 132.98 326.75 69.26 6 28 59 2932.4 -22.37 125.30
 90.00 0 26 41 4547.52 11.01 191.62 313.57 63.75 1 42 28 3947.5 7.39 184.81
 100.00 7 8 56 3213.83 -22.16 110.52 327.73 69.41 8 2 30 2613.8 -24.76 102.69
 100.00 1 30 33 4341.37 13.34 175.28 312.37 63.00 2 42 54 3741.4 9.61 168.47
 110.00 8 52 43 2889.10 -28.03 88.28 330.15 69.58 9 40 53 2289.1 -30.54 79.99
 110.00 2 3 14 4238.86 18.86 164.45 309.31 60.95 3 13 53 3638.9 14.85 157.64

DIFFERENTIAL CORRECTIONS

TDE 2.6506 TRA10.7727 TC3 -.1891 BAU .4595
 RDE .6884 RRA .3128 RC3 .0042 FAU-.00472
 FDE .4675 FRA 2.1063 FC3 .0225 BSP 17404
 BDE 2.7335 BRA10.7773 BC3 .1892 FSP -289

MID-COURSE EXECUTION ACCURACY

SGT 5125.5 SGR 318.9 SG3 85.9
 RRT .6317 RRF .6230 RTF .9869
 SGB 5135.4 R23 -.0025 R13 .9869
 SG1 5129.5 SG2 247.0 THA 2.26

ORBIT DETERMINATION ACCURACY

ST 1869.8 SR 287.4 SS 574.1
 CRT .7159 CRS -.6811 CST -.9987
 LSA 1966.6 MSA 202.2 SSA 7.5
 EL1 1881.2 EL2 199.4 ALF 6.35

LAUNCH DATE DEC 28 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

DISTANCE 602.189

RL 147.12 LAL .00 LOL 96.05 VL 25.515 GAL 29.13 AZL 88.91 MCA 331.57 SMA 115.08 ECC .54413 INC 1.0859 V1 30.283
 RP 107.87 LAP -.52 LOP 67.62 VP 36.157 GAP 32.79 AZP 89.04 TAL 145.67 TAP 117.24 RCA 52.46 APO 177.70 V2 35.130
 RC 223.050 GL 1.63 GP -3.58 ZAL 32.71 ZAP 166.02 ETS 197.70 ZAE 129.38 ETE 183.68 ZAC 147.34 ETC 162.13 CLP 166.48

PLANETOCENTRIC CONIC

C3 219.795 VHL 14.825 OLA 22.44 RAL 61.02 RAD 6571.3 VEL 18.469 PTH 3.04 VHP 20.398 DPA 14.14 RAP 53.18 ECC 4.6173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 10 3534.40 -19.68 133.10 329.40 69.22 6 39 4 2934.4 -22.33 125.43
 90.00 0 21 17 4604.44 12.70 194.95 315.78 64.48 1 38 1 4004.4 9.16 188.06
 100.00 7 17 54 3219.24 -22.03 110.87 330.35 69.27 8 11 34 2619.2 -24.65 103.05
 100.00 1 26 14 4394.83 14.97 178.41 314.65 63.82 2 39 28 3794.8 11.33 171.51
 110.00 8 59 57 2900.00 -27.77 89.02 332.75 69.21 9 48 17 2300.0 -30.33 80.77
 110.00 2 0 40 4286.84 20.42 167.30 311.72 61.98 3 12 7 3686.8 16.52 160.35

DIFFERENTIAL CORRECTIONS

TDE 2.7561 TRA11.8404 TC3 -.0779 BAU .2296
 RDE .6868 RRA .3442 RC3 .0059 FAU-.00796
 FDE .4863 FRA 2.2837 FC3 .0313 BSP 17313
 BDE 2.8404 BRA11.8454 BC3 .0781 FSP -284

MID-COURSE EXECUTION ACCURACY

SGT 5069.3 SGR 302.4 SG3 84.5
 RRT .6465 RRF .6390 RTF .9899
 SGB 5078.3 R23 -.0031 R13 .9899
 SG1 5073.1 SG2 230.6 THA 2.21

ORBIT DETERMINATION ACCURACY

ST 1827.7 SR 268.9 SS 603.8
 CRT .7057 CRS -.6756 CST -.9991
 LSA 1934.0 MSA 191.9 SSA 6.9
 EL1 1837.6 EL2 189.5 ALF 5.99

LAUNCH DATE DEC 28 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC

DISTANCE 598.385

RL 147.12 LAL .00 LOL 96.05 VL 25.497 GAL 32.66 AZL 89.23 MCA 334.79 SMA 114.99 ECC .58863 INC .7691 V1 30.283
 RP 107.84 LAP -.33 LOP 70.84 VP 36.156 GAP 35.91 AZP 89.30 TAL 146.21 TAP 121.00 RCA 47.30 APO 182.68 V2 35.141
 RC 224.456 GL 1.01 GP -3.53 ZAL 32.57 ZAP 164.23 ETS 195.81 ZAE 128.34 ETE 183.56 ZAC 148.60 ETC 161.38 CLP 164.62

PLANETOCENTRIC CONIC

C3 268.649 VHL 16.391 OLA 21.85 RAL 61.27 RAD 6571.6 VEL 19.747 PTH 3.12 VHP 22.248 DPA 14.58 RAP 54.52 ECC 5.4213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 57 3534.02 -19.69 133.08 331.58 69.23 6 47 51 2934.0 -22.34 125.41
 90.00 0 14 29 4660.01 14.31 198.24 317.60 65.30 1 32 9 4060.0 10.86 191.26
 100.00 7 25 41 3222.13 -21.96 111.06 332.50 69.20 8 19 23 2622.1 -24.59 103.25
 100.00 1 20 26 4447.14 16.51 181.53 316.53 64.72 2 34 34 3847.1 12.97 174.52
 110.00 9 6 1 2908.26 -27.57 89.58 334.86 68.94 9 54 29 2308.3 -30.17 81.35
 110.00 1 56 36 4333.77 21.90 170.14 313.74 63.07 3 8 50 3733.8 18.11 163.06

DIFFERENTIAL CORRECTIONS

TDE 2.8977 TRA13.0170 TC3 .0186 BAU .0718
 RDE .7054 RRA .3725 RC3 .0074 FAU-.01215
 FDE .5128 FRA 2.4867 FC3 .0392 BSP 17180
 BDE 2.9823 BRA13.0223 BC3 .0200 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 5006.3 SGR 284.7 SG3 83.1
 RRT .6587 RRF .6523 RTF .9925
 SGB 5014.4 R23 -.0036 R13 .9925
 SG1 5009.8 SG2 214.1 THA 2.15

ORBIT DETERMINATION ACCURACY

ST 1785.8 SR 250.2 SS 640.6
 CRT .6977 CRS -.6720 CST -.9993
 LSA 1905.1 MSA 180.4 SSA 6.3
 EL1 1794.4 EL2 178.4 ALF 5.64

LAUNCH DATE DEC 29 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 9 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 29.644 GAL -14.53 AZL 86.96 MCA 96.43 SMA 143.40 ECC .25215 INC 3.0404 V1 30.284
 RP 107.87 LAP 3.02 LOP 193.52 VP 39.182 GAP -2.77 AZP 90.34 TAL 249.77 TAP 346.20 RCA 107.24 APO 179.56 V2 35.132
 RC 89.470 GL 11.37 GP 10.34 ZAL 163.22 ZAP 62.75 ETS 352.64 ZAE 173.66 ETE 26.56 ZAC 44.87 ETC 168.19 CLP -62.26

PLANETOCENTRIC CONIC
 C3 59.612 VHL 7.721 DLA -10.77 RAL 289.46 RAD 6569.1 VEL 13.452 PTH 2.46 VHP 4.590 DPA -10.05 RAP 311.86 ECC 1.9811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 26 2145.13 -17.82 37.13 166.76 112.37 2 9 11 1545.1 -14.64 29.91
 90.00 10 46 35 5470.53 28.26 252.71 174.90 88.16 12 17 46 4870.9 27.71 244.09
 100.00 2 49 24 1900.06 -19.23 18.49 166.13 113.34 3 21 4 1300.1 -15.91 11.27
 100.00 12 13 18 5190.84 29.79 232.07 174.83 87.36 13 39 49 4590.8 29.10 223.34
 110.00 3 45 26 1724.54 -22.96 3.34 164.30 116.05 4 14 11 1124.5 -19.27 356.14
 110.00 13 33 45 4939.12 33.88 212.64 174.52 85.14 14 56 4 4339.1 32.83 203.56

MID-COURSE EXECUTION ACCURACY
 SGT 503.8 SGR 412.2 SG3 232.8
 RRT -.2172 RRF -.3954 RTF .4453
 SGB 650.9 R23 .1544 R13 -.5178
 SG1 522.9 SG2 387.6 TMA 156.47

ORBIT DETERMINATION ACCURACY
 ST 160.2 SR 385.0 SS 179.5
 CRT .2485 CRS .6353 CST -.5754
 LSA 404.5 MSA 205.2 SSA 19.8
 EL1 387.4 EL2 154.2 ALF 82.98

DIFFERENTIAL CORRECTIONS
 TOE -.0750 TRA -.6629 TC3 .0000 BAU .0389
 RDE -.5160 RRA .1756 RC3 .0488 FAU .10618
 FDE .3372 FRA-1.6349 FC3-1.5421 BSP 673
 BDE .5214 BRA .6857 BC3 .0488 FSP -684

LAUNCH DATE DEC 29 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 29.634 GAL -14.38 AZL 87.03 MCA 99.66 SMA 143.30 ECC .24961 INC 2.9715 V1 30.284
 RP 107.90 LAP 2.93 LOP 196.74 VP 39.163 GAP -2.12 AZP 90.50 TAL 249.71 TAP 349.36 RCA 107.53 APO 179.07 V2 35.120
 RC 71.643 GL 11.24 GP 10.83 ZAL 163.27 ZAP 67.88 ETS 353.47 ZAE 175.58 ETE 56.74 ZAC 42.88 ETC 168.63 CLP -67.45

PLANETOCENTRIC CONIC
 C3 58.289 VHL 7.635 DLA -10.89 RAL 289.52 RAD 6569.1 VEL 13.403 PTH 2.45 VHP 4.419 DPA -10.02 RAP 309.84 ECC 1.9593
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 41 2135.60 -17.58 36.54 166.44 112.56 2 10 16 1535.6 -14.37 29.34
 90.00 10 45 50 5469.11 28.26 252.61 174.60 88.11 12 16 59 4869.1 27.70 243.99
 100.00 2 50 34 1890.75 -18.98 17.91 165.81 113.54 3 22 5 1290.8 -15.63 10.72
 100.00 12 12 37 5189.19 29.78 231.95 174.53 87.30 13 39 6 4589.2 29.09 223.22
 110.00 3 46 28 1715.73 -22.69 2.79 163.97 116.28 4 15 3 1115.7 -18.98 355.62
 110.00 13 33 13 4936.97 33.86 212.48 174.21 85.04 14 55 30 4337.0 32.81 203.40

MID-COURSE EXECUTION ACCURACY
 SGT 554.4 SGR 417.9 SG3 251.2
 RRT -.2846 RRF -.4351 RTF .5453
 SGB 694.3 R23 .1376 R13 -.6031
 SG1 578.4 SG2 384.0 TMA 157.59

ORBIT DETERMINATION ACCURACY
 ST 171.2 SR 384.2 SS 184.3
 CRT .1649 CRS .6305 CST -.6480
 LSA 403.9 MSA 217.6 SSA 19.8
 EL1 385.5 EL2 168.3 ALF 84.81

DIFFERENTIAL CORRECTIONS
 TOE -.0623 TRA -.7182 TC3 -.0412 BAU .0575
 RDE -.5087 RRA .1858 RC3 .0612 FAU .11344
 FDE .3481 FRA-1.7385 FC3-1.6849 BSP 897
 BDE .5125 BRA .7418 BC3 .0738 FSP -752

LAUNCH DATE DEC 29 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 29.615 GAL -14.22 AZL 87.10 MCA 102.88 SMA 143.13 ECC .24717 INC 2.9015 V1 30.284
 RP 107.94 LAP 2.83 LOP 199.97 VP 39.138 GAP -1.50 AZP 90.65 TAL 249.52 TAP 352.40 RCA 107.75 APO 178.51 V2 35.108
 RC 73.845 GL 11.10 GP 11.31 ZAL 163.28 ZAP 73.03 ETS 354.34 ZAE 175.37 ETE 101.74 ZAC 40.85 ETC 169.09 CLP -72.69

PLANETOCENTRIC CONIC
 C3 56.995 VHL 7.549 DLA -11.02 RAL 289.65 RAD 6569.0 VEL 13.355 PTH 2.44 VHP 4.282 DPA -9.98 RAP 307.78 ECC 1.9380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 14 2125.92 -17.32 35.94 166.20 112.76 2 11 40 1525.9 -14.09 28.76
 90.00 10 45 19 5467.79 28.26 252.51 174.37 88.06 12 16 26 4867.8 27.69 243.89
 100.00 2 52 4 1881.31 -18.72 17.33 165.56 113.74 3 23 25 1281.3 -15.35 10.15
 100.00 12 12 11 5187.63 29.78 231.84 174.30 87.23 13 38 38 4587.6 29.07 223.10
 110.00 3 47 47 1706.79 -22.42 2.24 163.71 116.51 4 16 14 1106.8 -18.68 355.10
 110.00 13 32 56 4934.91 33.85 212.32 173.97 84.95 14 55 11 4334.9 32.78 203.25

MID-COURSE EXECUTION ACCURACY
 SGT 618.8 SGR 423.6 SG3 267.5
 RRT -.3493 RRF -.4743 RTF .6292
 SGB 749.9 R23 .1266 R13 -.6735
 SG1 646.5 SG2 379.8 TMA 159.01

ORBIT DETERMINATION ACCURACY
 ST 184.9 SR 382.4 SS 188.2
 CRT .0884 CRS .6304 CST -.7050
 LSA 403.1 MSA 230.1 SSA 19.9
 EL1 382.8 EL2 183.9 ALF 86.82

DIFFERENTIAL CORRECTIONS
 TOE -.0502 TRA -.7798 TC3 -.0887 BAU .0880
 RDE -.5002 RRA .1953 RC3 .0739 FAU .11967
 FDE .3583 FRA-1.8194 FC3-1.8177 BSP 1171
 BDE .5028 BRA .8039 BC3 .1154 FSP -806

LAUNCH DATE DEC 29 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 29.589 GAL -14.07 AZL 87.17 MCA 106.10 SMA 142.89 ECC .24481 INC 2.8296 V1 30.284
 RP 107.98 LAP 2.72 LOP 203.19 VP 39.107 GAP -.92 AZP 90.79 TAL 249.21 TAP 355.30 RCA 107.91 APO 177.87 V2 35.095
 RC 76.070 GL 10.94 GP 11.76 ZAL 163.25 ZAP 78.17 ETS 355.24 ZAE 173.12 ETE 129.46 ZAC 38.84 ETC 169.59 CLP -77.91

PLANETOCENTRIC CONIC
 C3 55.719 VHL 7.465 DLA -11.15 RAL 289.84 RAD 6569.0 VEL 13.307 PTH 2.43 VHP 4.176 DPA -9.94 RAP 305.73 ECC 1.9170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 6 2116.01 -17.06 35.34 166.01 112.95 2 13 22 1516.0 -13.81 28.17
 90.00 10 45 1 5466.57 28.25 252.42 174.20 88.01 12 16 8 4866.6 27.68 243.81
 100.00 2 53 51 1871.64 -18.46 16.73 165.38 113.94 3 25 2 1271.6 -15.06 9.58
 100.00 12 11 58 5186.16 29.77 231.73 174.13 87.18 13 38 24 4586.2 29.06 222.99
 110.00 3 49 24 1697.66 -22.14 1.67 163.52 116.73 4 17 42 1097.7 -18.38 354.56
 110.00 13 32 53 4932.91 33.84 212.16 173.80 84.86 14 55 6 4332.9 32.76 203.09

MID-COURSE EXECUTION ACCURACY
 SGT 695.0 SGR 428.8 SG3 281.9
 RRT -.4103 RRF -.5116 RTF .6955
 SGB 816.7 R23 .1180 R13 -.7289
 SG1 725.7 SG2 374.5 TMA 160.37

ORBIT DETERMINATION ACCURACY
 ST 200.7 SR 379.1 SS 190.4
 CRT .0179 CRS .6251 CST -.7576
 LSA 401.0 MSA 243.0 SSA 19.9
 EL1 379.2 EL2 200.7 ALF 89.25

DIFFERENTIAL CORRECTIONS
 TOE -.0378 TRA -.8457 TC3 -.1413 BAU .1236
 RDE -.4899 RRA .2044 RC3 .0871 FAU .12496
 FDE .3586 FRA-1.8816 FC3-1.9416 BSP 1477
 BDE .4914 BRA .8701 BC3 .1659 FSP -861

LAUNCH DATE DEC 29 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 235.102

RL 147.11 LAL .00 LOL 97.07 VL 29.555 GAL -13.92 AZL 87.24 HCA 109.31 SMA 142.59 ECC .24251 INC 2.7554 V1 30.284
 RP 108.02 LAP 2.60 LOP 206.41 VP 39.070 GAP -.37 AZP 90.91 TAL 248.79 TAP 358.10 RCA 108.01 APO 177.17 V2 35.082
 RC 78.316 GL 10.77 GP 12.19 ZAL 163.18 ZAP 83.24 ETS 356.18 ZAE 170.12 ETE 142.27 ZAC 36.90 ETC 170.13 CLP -83.08

PLANETOCENTRIC CONIC

C3 54.452 VHL 7.379 DLA -11.28 RAL 290.10 RAD 6569.0 VEL 13.259 PTH 2.42 VHP 4.100 DPA -9.87 RAP 303.74 ECC 1.8961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 16 2105.78 -16.79 34.71 165.88 113.14 2 15 22 1505.8 -13.51 27.56
 90.00 10 44 55 5465.45 28.25 252.34 174.09 87.97 12 16 0 4865.5 27.67 243.72
 100.00 2 55 55 1861.68 -18.18 16.12 165.25 114.15 3 26 57 1261.7 -14.77 8.99
 100.00 12 11 56 5184.79 29.77 231.63 174.02 87.12 13 38 21 4584.8 29.05 222.89
 110.00 3 51 18 1688.25 -21.85 1.10 163.38 116.96 4 19 27 1088.3 -18.06 354.02
 110.00 13 33 3 4930.98 33.83 212.01 173.68 84.77 14 55 14 4331.0 32.73 202.95

DIFFERENTIAL CORRECTIONS

TDE -.0263 TRA -.9156 TC3 -.1988 BAU .1621 SGT 782.3 SGR 433.5 SG3 293.5 ST 218.6 SR 374.6 SS 191.2
 RDE -.4780 RRA .2124 RC3 .1004 FAU .12896 RRT -.4651 RRF -.5469 RTF .7464 CRT -.0419 CRS .6191 CST -.7997
 FDE .3531 FRA -1.9194 FC3 -2.0503 BSP 1813 SGB 894.4 R23 .1126 R13 -.7716 LSA 398.5 MSA 255.9 SSA 20.0
 BOE .4787 BRA .9399 BC3 .2227 FSP -908 SG1 815.0 SG2 368.4 TMA 161.67 EL1 374.8 EL2 218.3 ALF 92.12

LAUNCH DATE DEC 29 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 241.474

RL 147.11 LAL .00 LOL 97.07 VL 29.516 GAL -13.76 AZL 87.32 HCA 112.53 SMA 142.23 ECC .24026 INC 2.6783 V1 30.284
 RP 108.06 LAP 2.47 LOP 209.62 VP 39.028 GAP .15 AZP 91.03 TAL 248.26 TAP .79 RCA 108.06 APO 176.40 V2 35.069
 RC 80.581 GL 10.58 GP 12.61 ZAL 163.07 ZAP 88.17 ETS 357.16 ZAE 166.93 ETE 149.04 ZAC 35.06 ETC 170.69 CLP -88.13

PLANETOCENTRIC CONIC

C3 53.187 VHL 7.293 DLA -11.43 RAL 290.42 RAD 6568.9 VEL 13.212 PTH 2.41 VHP 4.050 DPA -9.79 RAP 301.88 ECC 1.8753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 44 2095.14 -16.50 34.06 165.81 113.34 2 17 39 1495.1 -13.20 26.93
 90.00 10 44 59 5464.47 28.25 252.27 174.03 87.94 12 16 3 4864.5 27.66 243.65
 100.00 2 58 18 1851.32 -17.89 15.49 165.17 114.36 3 29 9 1251.3 -14.45 8.38
 100.00 12 12 5 5183.52 29.76 231.53 173.96 87.07 13 38 29 4583.5 29.04 222.80
 110.00 3 53 30 1678.48 -21.55 .50 163.29 117.20 4 21 28 1078.5 -17.73 353.45
 110.00 13 33 23 4929.13 33.82 211.87 173.61 84.68 14 55 32 4329.1 32.71 202.81

DIFFERENTIAL CORRECTIONS

TDE -.0162 TRA -.9882 TC3 -.2607 BAU .2021 SGT 878.7 SGR 437.5 SG3 301.6 ST 238.2 SR 369.0 SS 190.9
 RDE -.4648 RRA .2187 RC3 .1134 FAU .13135 RRT -.5127 RRF -.5801 RTF .7843 CRT -.0900 CRS .6181 CST -.8283
 FDE .3473 FRA -1.9268 FC3 -2.1380 BSP 2170 SGB 981.6 R23 .1110 R13 -.8036 LSA 396.3 MSA 268.1 SSA 20.0
 BOE .4651 BRA 1.0121 BC3 .2843 FSP -934 SG1 912.5 SG2 361.7 TMA 162.91 EL1 370.0 EL2 236.6 ALF 95.63

LAUNCH DATE DEC 29 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 247.805

RL 147.11 LAL .00 LOL 97.07 VL 29.471 GAL -13.61 AZL 87.40 HCA 115.74 SMA 141.83 ECC .23805 INC 2.5976 V1 30.284
 RP 108.10 LAP 2.34 LOP 212.83 VP 38.983 GAP .65 AZP 91.13 TAL 247.64 TAP 3.38 RCA 108.06 APO 175.59 V2 35.056
 RC 82.862 GL 10.38 GP 13.00 ZAL 162.93 ZAP 92.94 ETS 358.17 ZAE 163.73 ETE 153.14 ZAC 33.39 ETC 171.30 CLP -93.02

PLANETOCENTRIC CONIC

C3 51.920 VHL 7.206 DLA -11.58 RAL 290.79 RAD 6568.9 VEL 13.164 PTH 2.40 VHP 4.023 DPA -9.67 RAP 300.17 ECC 1.8545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 30 2083.98 -16.20 33.38 165.78 113.55 2 20 14 1484.0 -12.88 26.28
 90.00 10 45 10 5463.68 28.25 252.21 174.02 87.91 12 16 14 4863.7 27.66 243.60
 100.00 3 0 59 1840.45 -17.58 14.83 165.13 114.57 3 31 40 1240.5 -14.12 7.75
 100.00 12 12 22 5182.44 29.76 231.45 173.94 87.03 13 38 45 4582.4 29.03 222.72
 110.00 3 55 58 1668.25 -21.23 359.88 163.25 117.44 4 23 47 1068.2 -17.39 352.86
 110.00 13 33 53 4927.40 33.81 211.74 173.59 84.60 14 56 0 4327.4 32.69 202.68

DIFFERENTIAL CORRECTIONS

TDE -.0078 TRA -1.0620 TC3 -.3262 BAU .2429 SGT 981.9 SGR 440.7 SG3 307.3 ST 259.1 SR 361.7 SS 189.0
 RDE -.4496 RRA .2242 RC3 .1265 FAU .13266 RRT -.5556 RRF -.6113 RTF .8126 CRT -.1278 CRS .6089 CST -.8546
 FDE .3298 FRA -1.9163 FC3 -2.2121 BSP 2546 SGB 1076.3 R23 .1106 R13 -.8277 LSA 393.7 MSA 279.8 SSA 20.0
 BOE .4497 BRA 1.0854 BC3 .3499 FSP -962 SG1 1016.4 SG2 354.0 TMA 164.01 EL1 364.7 EL2 254.8 ALF 100.30

LAUNCH DATE DEC 29 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 254.097

RL 147.11 LAL .00 LOL 97.07 VL 29.421 GAL -13.45 AZL 87.49 HCA 118.94 SMA 141.38 ECC .23588 INC 2.5124 V1 30.284
 RP 108.14 LAP 2.20 LOP 216.04 VP 38.933 GAP 1.12 AZP 91.22 TAL 246.93 TAP 5.88 RCA 108.03 APO 174.73 V2 35.043
 RC 85.157 GL 10.15 GP 13.39 ZAL 162.75 ZAP 97.51 ETS 359.23 ZAE 160.63 ETE 155.85 ZAC 31.91 ETC 171.95 CLP -97.72

PLANETOCENTRIC CONIC

C3 50.647 VHL 7.117 DLA -11.75 RAL 291.22 RAD 6568.9 VEL 13.115 PTH 2.39 VHP 4.017 DPA -9.51 RAP 298.65 ECC 1.8335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 37 2072.15 -15.88 32.66 165.79 113.76 2 23 9 1472.1 -12.53 25.58
 90.00 10 45 27 5463.16 28.24 252.18 174.05 87.89 12 16 31 4863.2 27.65 243.56
 100.00 3 3 59 1828.95 -17.26 14.13 165.14 114.79 3 34 28 1228.9 -13.77 7.07
 100.00 12 12 46 5181.59 29.76 231.39 173.97 87.00 13 39 7 4581.6 29.02 222.66
 110.00 3 58 45 1657.44 -20.89 359.22 163.24 117.69 4 26 23 1057.4 -17.02 352.24
 110.00 13 34 29 4925.86 33.80 211.62 173.62 84.53 14 56 35 4325.9 32.67 202.56

DIFFERENTIAL CORRECTIONS

TDE -.0016 TRA -1.1361 TC3 -.3949 BAU .2836 SGT 1090.3 SGR 442.8 SG3 309.5 ST 280.8 SR 353.3 SS 186.1
 RDE -.4332 RRA .2279 RC3 .1393 FAU .13245 RRT -.5925 RRF -.6406 RTF .8332 CRT -.1552 CRS .6042 CST -.8713
 FDE .3128 FRA -1.8787 FC3 -2.2641 BSP 2931 SGB 1176.8 R23 .1135 R13 -.8453 LSA 392.6 MSA 289.4 SSA 20.0
 BOE .4332 BRA 1.1587 BC3 .4188 FSP -970 SG1 1124.9 SG2 345.8 TMA 165.02 EL1 359.9 EL2 272.3 ALF 106.90

LAUNCH DATE DEC 29 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 260.350

RL 147.11 LAL .00 LOL 97.07 VL 29.367 GAL -13.28 AZL 87.58 MCA 122.15 SMA 140.90 ECC .23374 INC 2.4219 V1 30.284
 RP 108.18 LAP 2.05 LOP 219.25 VP 38.880 GAP 1.57 A7P 91.29 TAL 246.15 TAP 8.30 RCA 107.97 APO 173.84 V2 35.030
 RC 87.465 GL 9.90 GP 13.79 ZAL 162.53 ZAP 101.85 ETS .32 ZAE 157.66 ETE 157.72 ZAC 30.64 ETC 172.66 CLP-102.20

PLANETOCENTRIC CONIC

C3 49.365 VHL 7.026 DLA -11.94 RAL 291.69 RAD 6568.8 VEL 13.066 PTH 2.38 VHP 4.029 DPA -9.30 RAP 297.35 ECC 1.8124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 5 2059.49 -15.53 31.89 165.84 113.98 2 26 24 1459.3 -12.16 24.84
 90.00 10 45 48 5463.04 28.24 252.17 174.13 87.88 12 16 51 4863.0 27.65 243.55
 100.00 3 7 21 1816.66 -16.90 13.39 165.19 115.03 3 37 37 1216.7 -13.39 6.36
 100.00 12 13 13 5181.11 29.75 231.35 174.05 86.98 13 39 34 4581.1 29.02 222.63
 110.00 4 1 52 1645.93 -20.52 358.53 163.28 117.96 4 29 18 1045.9 -16.62 351.58
 110.00 13 35 11 4924.60 33.79 211.52 173.69 84.48 14 57 16 4324.6 32.65 202.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0019 TRA-1.2093 TC3 -.4664 BAU .3238
 RDE -.4151 RRA .2305 RC3 .1523 FAU .13131
 FDE .2876 FRA-1.8269 FC3-2.3028 BSP 3327
 BDE .4151 BRA 1.2311 BC3 .4907 FSP -978

SGT 1202.3 SGR 444.2 SG3 309.7
 RRT -.6263 RRF -.6687 RTF .8485
 SGB 1281.8 R23 .1178 R13 -.8585
 SG1 1236.8 SG2 336.6 THA 165.91

ST 303.0 SR 343.4 SS 181.9
 CRT -.1738 CRS .5925 CST -.8866
 LSA 393.1 MSA 296.5 SSA 20.0
 EL1 356.6 EL2 287.4 ALF 117.09

LAUNCH DATE DEC 29 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 266.567

RL 147.11 LAL .00 LOL 97.07 VL 29.309 GAL -13.12 AZL 87.68 MCA 125.35 SMA 140.40 ECC .23165 INC 2.3248 V1 30.284
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.824 GAP 1.99 A7P 91.35 TAL 245.28 TAP 10.64 RCA 107.87 APO 172.92 V2 35.016
 RC 89.783 GL 9.61 GP 14.20 ZAL 162.28 ZAP 105.94 ETS 1.47 ZAE 154.85 ETE 159.04 ZAC 29.60 ETC 173.44 CLP-106.45

PLANETOCENTRIC CONIC

C3 48.074 VHL 6.934 DLA -12.15 RAL 292.22 RAD 6568.8 VEL 13.017 PTH 2.37 VHP 4.057 DPA -9.03 RAP 296.28 ECC 1.7912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 57 2045.81 -15.15 31.07 165.93 114.21 2 30 3 1445.8 -11.75 24.04
 90.00 10 46 8 5463.47 28.25 252.20 174.25 87.90 12 17 12 4863.5 27.66 243.58
 100.00 3 11 9 1803.39 -16.52 12.59 165.27 115.27 3 41 9 1203.4 -12.98 5.59
 100.00 12 13 41 5181.12 29.75 231.35 174.17 86.98 13 40 2 4581.1 29.02 222.63
 110.00 4 5 19 1633.55 -20.13 357.79 163.36 118.23 4 32 33 1033.5 -16.20 350.87
 110.00 13 35 57 4923.73 33.78 211.45 173.81 84.44 14 58 0 4323.7 32.64 202.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0024 TRA-1.2809 TC3 -.5405 BAU .3633
 RDE -.3955 RRA .2319 RC3 .1654 FAU .12920
 FDE .2591 FRA-1.7599 FC3-2.3267 BSP 3728
 BDE .3955 BRA 1.3017 BC3 .5652 FSP -977

SGT 1316.8 SGR 444.8 SG3 307.5
 RRT -.6569 RRF -.6958 RTF .8597
 SGB 1389.9 R23 .1244 R13 -.8682
 SG1 1350.9 SG2 326.9 THA 166.69

ST 325.6 SR 332.2 SS 176.8
 CRT -.1840 CRS .5784 CST -.8985
 LSA 396.7 MSA 299.7 SSA 20.0
 EL1 358.0 EL2 296.9 ALF 131.90

LAUNCH DATE DEC 29 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 272.751

RL 147.11 LAL .00 LOL 97.07 VL 29.247 GAL -12.94 AZL 87.78 MCA 128.56 SMA 139.86 ECC .22958 INC 2.2198 V1 30.284
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.766 GAP 2.40 A7P 91.38 TAL 244.35 TAP 12.91 RCA 107.75 APO 171.97 V2 35.003
 RC 92.112 GL 9.29 GP 14.64 ZAL 162.00 ZAP 109.77 ETS 2.68 ZAE 152.22 ETE 159.96 ZAC 28.79 ETC 174.31 CLP-110.46

PLANETOCENTRIC CONIC

C3 46.770 VHL 6.839 DLA -12.39 RAL 292.80 RAD 6568.7 VEL 12.967 PTH 2.36 VHP 4.099 DPA -8.69 RAP 295.44 ECC 1.7697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 17 2030.86 -14.73 30.17 166.05 114.46 2 34 7 1430.9 -11.31 23.17
 90.00 10 46 26 5464.66 28.25 252.28 174.41 87.94 12 17 30 4864.7 27.66 243.67
 100.00 3 15 16 1788.92 -16.10 11.72 163.39 115.53 3 45 5 1188.9 -12.53 4.75
 100.00 12 14 7 5181.83 29.76 231.41 174.33 87.01 13 40 29 4581.8 29.02 222.68
 110.00 4 9 11 1620.09 -19.69 356.99 163.47 118.52 4 36 11 1020.1 -15.73 350.11
 110.00 13 36 42 4923.43 33.78 211.43 173.98 84.42 14 58 46 4323.4 32.64 202.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0001 TRA-1.3494 TC3 -.6165 BAU .4013
 RDE -.3751 RRA .2317 RC3 .1786 FAU .12612
 FDE .2320 FRA-1.6768 FC3-2.3345 BSP 4119
 BDE .3751 BRA 1.3692 BC3 .6419 FSP -960

SGT 1432.1 SGR 444.8 SG3 303.0
 RRT -.6843 RRF -.7221 RTF .8675
 SGB 1499.6 R23 .1342 R13 -.8750
 SG1 1465.7 SG2 316.9 THA 167.40

ST 348.2 SR 319.9 SS 171.0
 CRT -.1873 CRS .5664 CST -.9056
 LSA 404.3 MSA 298.3 SSA 20.0
 EL1 367.0 EL2 298.1 ALF 147.17

LAUNCH DATE DEC 29 1965

FLIGHT TIME 92.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 278.901

RL 147.11 LAL .00 LOL 97.07 VL 29.183 GAL -12.76 AZL 87.89 MCA 131.75 SMA 139.31 ECC .22756 INC 2.1051 V1 30.284
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.708 GAP 2.78 A7P 91.40 TAL 243.36 TAP 15.11 RCA 107.61 APO 171.01 V2 34.990
 RC 94.449 GL 8.92 GP 15.14 ZAL 161.69 ZAP 113.33 ETS 3.96 ZAE 149.76 ETE 160.57 ZAC 28.22 ETC 175.29 CLP-114.22

PLANETOCENTRIC CONIC

C3 45.457 VHL 6.742 DLA -12.66 RAL 293.43 RAD 6568.7 VEL 12.916 PTH 2.35 VHP 4.152 DPA -8.27 RAP 294.83 ECC 1.7481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 9 2014.33 -14.26 29.18 166.22 114.73 2 38 43 1414.3 -10.81 22.21
 90.00 10 46 35 5466.89 28.25 252.45 174.62 88.02 12 17 42 4866.9 27.68 243.83
 100.00 3 19 57 1772.95 -15.63 10.77 165.55 115.81 3 49 30 1172.9 -12.03 3.83
 100.00 12 14 27 5183.50 29.76 231.53 174.55 87.07 13 40 51 4583.5 29.04 222.80
 110.00 4 13 29 1605.29 -19.21 356.11 163.61 118.83 4 40 15 1005.3 -15.21 349.27
 110.00 13 37 25 4923.92 33.78 211.47 174.20 84.45 14 59 29 4323.9 32.65 202.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0070 TRA-1.4151 TC3 -.6954 BAU .4385
 RDE -.3529 RRA .2307 RC3 .1926 FAU .12266
 FDE .1971 FRA-1.5898 FC3-2.3361 BSP 4526
 BDE .3530 BRA 1.4338 BC3 .7216 FSP -948

SGT 1548.7 SGR 444.7 SG3 297.7
 RRT -.7106 RRF -.7484 RTF .8733
 SGB 1611.3 R23 .1456 R13 -.8800
 SG1 1581.9 SG2 306.3 THA 168.01

ST 370.9 SR 306.0 SS 164.2
 CRT -.1826 CRS .5426 CST -.9146
 LSA 414.9 MSA 292.6 SSA 20.1
 EL1 381.8 EL2 292.2 ALF 158.33

LAUNCH DATE DEC 29 1965

FLIGHT TIME 94.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 285.022

RL 147.11 LAL .00 LOL 97.07 VL 29.116 GAL -12.58 AZL 88.02 MCA 134.95 SMA 138.75 ECC .22557 INC 1.9785 V1 30.284
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.643 GAP 3.15 AZP 91.40 TAL 242.30 TAP 17.25 RCA 107.45 APO 170.04 V2 34.977
 RC 96.794 GL 8.49 GP 15.70 ZAL 161.35 ZAP 116.64 ETS 5.35 ZAE 147.47 ETE 160.92 ZAC 27.89 ETC 176.40 CLP-117.76

PLANETOCENTRIC CONIC

C3 44.132 VHL 6.643 DLA -12.99 RAL 294.11 RAD 6568.7 VEL 12.865 PTH 2.34 VHP 4.216 OPA -7.76 RAP 294.44 ECC 1.7263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 39 1995.81 -13.73 28.08 166.42 115.01 2 43 55 1395.8 -10.25 21.14
 90.00 10 46 31 5470.54 28.26 252.71 174.89 88.16 12 17 42 4870.5 27.71 244.09
 100.00 3 25 15 1755.10 -15.09 9.71 165.74 116.11 3 54 30 1155.1 -11.46 2.80
 100.00 12 14 36 5186.48 29.77 231.75 174.82 87.19 13 41 2 4586.5 29.06 225.02
 110.00 4 18 20 1588.86 -18.67 355.15 163.79 119.17 4 44 49 988.9 -14.64 348.35
 110.00 13 38 0 4925.49 33.79 211.59 174.47 84.52 15 0 6 4325.5 32.67 202.53

DIFFERENTIAL CORRECTIONS

TDE -.0182 TRA-1.4767 TC3 -.7769 BAU .4745
 RDE -.3296 RRA .2286 RC3 .2076 FAU .11876
 FDE .1598 FRA-1.4966 FC3-2.3298 BSP 4931
 BDE .3301 BRA 1.4943 BC3 .8042 FSP -933

MID-COURSE EXECUTION ACCURACY

SGT 1665.5 SGR 444.8 SG3 291.1
 RRT -.7353 RRF -.7747 RTF .8774
 SGB 1723.9 R23 .1600 R13 -.8836
 SG1 1698.4 SG2 295.6 THA 168.54

ORBIT DETERMINATION ACCURACY

ST 393.6 SR 290.8 SS 156.9
 CRT -.1712 CR5 .5114 CST -.9232
 LSA 428.5 MSA 283.1 SSA 20.1
 EL1 400.1 EL2 281.9 ALF 165.45

LAUNCH DATE DEC 29 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 291.113

RL 147.11 LAL .00 LOL 97.07 VL 29.047 GAL -12.39 AZL 88.16 MCA 138.14 SMA 138.17 ECC .22363 INC 1.8370 V1 30.284
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.580 GAP 3.30 AZP 91.37 TAL 241.19 TAP 19.33 RCA 107.27 APO 169.07 V2 34.964
 RC 99.145 GL 7.99 GP 16.35 ZAL 160.98 ZAP 119.68 ETS 6.86 ZAE 145.34 ETE 161.04 ZAC 27.78 ETC 177.66 CLP-121.06

PLANETOCENTRIC CONIC

C3 42.798 VHL 6.542 DLA -13.37 RAL 294.85 RAD 6568.6 VEL 12.813 PTH 2.33 VHP 4.289 OPA -7.12 RAP 294.25 ECC 1.7043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 57 1974.75 -13.12 26.84 166.68 115.32 2 49 52 1374.8 -9.60 19.92
 90.00 10 46 6 5476.13 28.27 253.12 175.21 88.36 12 17 22 4876.1 27.75 244.50
 100.00 3 31 18 1734.86 -14.48 8.52 165.98 116.44 4 0 13 1134.9 -10.82 1.65
 100.00 12 14 26 5191.25 29.79 232.10 175.15 87.38 13 40 57 4591.2 29.11 223.37
 110.00 4 23 50 1570.34 -18.05 354.07 164.01 119.54 4 50 0 970.3 -13.98 347.32
 110.00 13 38 24 4928.54 33.81 211.83 174.82 84.66 15 0 32 4328.5 32.70 202.76

DIFFERENTIAL CORRECTIONS

TDE -.0335 TRA-1.5327 TC3 -.8605 BAU .5087
 RDE -.3055 RRA .2250 RC3 .2235 FAU .11433
 FDE .1239 FRA-1.3947 FC3-2.3128 BSP 5315
 BDE .3073 BRA 1.5491 BC3 .8891 FSP -904

MID-COURSE EXECUTION ACCURACY

SGT 1781.1 SGR 445.1 SG3 283.2
 RRT -.7579 RRF -.8006 RTF .8797
 SGB 1835.9 R23 .1783 R13 -.8856
 SG1 1813.6 SG2 285.2 THA 169.00

ORBIT DETERMINATION ACCURACY

ST 416.4 SR 274.5 SS 149.1
 CRT -.1539 CR5 .4773 CST -.9300
 LSA 444.1 MSA 270.8 SSA 20.2
 EL1 420.0 EL2 268.9 ALF 170.13

LAUNCH DATE DEC 29 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 297.178

RL 147.11 LAL .00 LOL 97.07 VL 28.977 GAL -12.19 AZL 88.32 MCA 141.33 SMA 137.58 ECC .22174 INC 1.6769 V1 30.284
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.515 GAP 3.83 AZP 91.31 TAL 240.03 TAP 21.36 RCA 107.07 APO 168.09 V2 34.951
 RC 101.502 GL 7.40 GP 17.12 ZAL 160.59 ZAP 122.46 ETS 8.52 ZAE 143.34 ETE 160.93 ZAC 27.88 ETC 179.08 CLP-124.16

PLANETOCENTRIC CONIC

C3 41.455 VHL 6.439 DLA -13.84 RAL 295.65 RAD 6568.6 VEL 12.760 PTH 2.32 VHP 4.372 OPA -6.34 RAP 294.24 ECC 1.6822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 15 1950.44 -12.41 25.41 166.96 115.66 2 56 45 1350.4 -8.85 18.53
 90.00 10 45 10 5484.36 28.29 253.72 175.61 88.66 12 16 34 4884.4 27.80 245.09
 100.00 3 38 17 1711.57 -13.77 7.16 166.27 116.79 4 6 49 1111.6 -10.07 .32
 100.00 12 13 49 5198.47 29.81 232.64 175.56 87.66 13 40 27 4598.5 29.17 223.89
 110.00 4 30 8 1549.16 -17.33 352.84 164.28 119.93 4 55 57 949.2 -13.22 346.14
 110.00 13 38 27 4933.64 33.84 212.22 175.25 84.89 15 0 40 4333.6 32.77 203.15

DIFFERENTIAL CORRECTIONS

TDE -.0556 TRA-1.5840 TC3 -.9483 BAU .5423
 RDE -.2798 RRA .2208 RC3 .2413 FAU .10988
 FDE .0807 FRA-1.2948 FC3-2.2946 BSP 5718
 BDE .2853 BRA 1.5993 BC3 .9785 FSP -882

MID-COURSE EXECUTION ACCURACY

SGT 1897.7 SGR 446.7 SG3 275.2
 RRT -.7797 RRF -.8268 RTF .8814
 SGB 1949.5 R23 .1993 R13 -.8870
 SG1 1930.0 SG2 275.0 THA 169.38

ORBIT DETERMINATION ACCURACY

ST 439.9 SR 256.4 SS 141.2
 CRT -.1282 CR5 .4206 CST -.9411
 LSA 462.2 MSA 255.3 SSA 20.3
 EL1 441.7 EL2 255.3 ALF 173.62

LAUNCH DATE DEC 29 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 303.217

RL 147.11 LAL .00 LOL 97.07 VL 28.905 GAL -11.99 AZL 88.51 MCA 144.52 SMA 136.99 ECC .21990 INC 1.4929 V1 30.284
 RP 108.46 LAP .87 LOP 241.60 VP 38.449 GAP 4.15 AZP 91.22 TAL 238.82 TAP 23.34 RCA 106.86 APO 167.11 V2 34.939
 RC 103.862 GL 6.68 GP 18.05 ZAL 160.16 ZAP 124.96 ETS 10.39 ZAE 141.46 ETE 160.61 ZAC 28.20 ETC 180.70 CLP-127.07

PLANETOCENTRIC CONIC

C3 40.106 VHL 6.333 DLA -14.42 RAL 296.51 RAD 6568.5 VEL 12.707 PTH 2.31 VHP 4.463 OPA -5.39 RAP 294.40 ECC 1.6600
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 50 1921.85 -11.56 23.74 167.32 116.03 3 4 52 1321.8 -7.97 16.90
 90.00 10 43 28 5496.25 28.30 254.59 176.11 89.10 12 15 4 4896.3 27.88 245.95
 100.00 3 46 28 1684.27 -12.93 5.57 166.62 117.19 4 14 33 1084.3 -9.18 358.78
 100.00 12 12 31 5209.06 29.84 233.43 176.06 88.07 13 39 20 4609.1 29.25 224.67
 110.00 4 37 28 1524.54 -16.49 351.43 164.60 120.38 5 2 53 924.5 -12.33 344.79
 110.00 13 38 0 4941.56 33.89 212.83 175.79 85.25 15 0 22 4341.6 32.86 203.75

DIFFERENTIAL CORRECTIONS

TDE -.0847 TRA-1.6288 TC3-1.0398 BAU .5749
 RDE -.2527 RRA .2154 RC3 .2614 FAU .10524
 FDE .0335 FRA-1.1931 FC3-2.2718 BSP 6123
 BDE .2665 BRA 1.6430 BC3 1.0722 FSP -859

MID-COURSE EXECUTION ACCURACY

SGT 2013.8 SGR 449.8 SG3 266.6
 RRT -.7999 RRF -.8528 RTF .8823
 SGB 2063.5 R23 .2241 R13 -.8879
 SG1 2046.3 SG2 265.7 THA 169.69

ORBIT DETERMINATION ACCURACY

ST 464.5 SR 236.7 SS 133.7
 CRT -.0949 CR5 .3408 CST -.9546
 LSA 482.8 MSA 236.9 SSA 20.5
 EL1 465.3 EL2 235.2 ALF 176.28

LAUNCH DATE DEC 29 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 309.232

RL 147.11 LAL .00 LOL 97.07 VL 28.831 GAL -11.78 AZL 88.72 MCA 147.71 SMA 136.39 ECC .21811 INC 1.2778 V1 30.284
 RP 108.50 LAP .68 LOP 244.79 VP 38.383 GAP 4.45 AZP 91.08 TAL 237.57 TAP 25.27 RCA 106.64 APO 166.14 V2 34.926
 RC 106.225 GL 5.80 GP 19.17 ZAL 159.69 ZAP 127.19 ETS 12.52 ZAE 139.66 ETE 160.05 ZAC 28.72 ETC 182.57 CLP-129.79

PLANETOCENTRIC CONIC

C3 38.754 VHL 6.225 DLA -15.14 RAL 297.45 RAD 6568.5 VEL 12.654 PTH 2.30 VHP 4.564 DPA -4.22 RAP 294.70 ECC 1.6378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 10 1887.49 -10.53 21.74 167.77 116.44 3 14 37 1287.5 -6.89 14.95
 90.00 10 40 39 5515.29 28.32 255.84 176.72 89.72 12 12 32 4913.3 27.98 247.19
 100.00 3 56 16 1651.61 -11.91 3.68 167.06 117.62 4 23 48 1051.6 -8.12 356.94
 100.00 12 10 13 5224.40 29.87 234.57 176.69 88.67 13 37 18 4624.4 29.36 225.80
 110.00 4 46 9 1495.35 -15.48 349.77 165.00 120.87 5 11 5 895.4 -11.27 343.19
 110.00 13 36 50 4953.42 33.95 213.75 176.46 85.79 14 59 23 4353.4 33.00 204.65

DIFFERENTIAL CORRECTIONS

TDE -.1213 TRA-1.6649 TC3-1.1344 BAU .6058
 RDE -.2246 RRA .2080 RC3 .2835 FAU .10022
 FDE -.0144 FRA-1.0854 FC3-2.2389 BSP 6494
 BDE .2553 BRA 1.6778 BC3 1.1693 FSP -825

MID-COURSE EXECUTION ACCURACY

SGT 2127.7 SGR 454.6 SG3 256.9
 RRT -.8171 RRF -.8777 RTF .8822
 SGB 2175.8 R23 .2534 R13 -.8878
 SG1 2160.4 SG2 258.1 THA 169.95

ORBIT DETERMINATION ACCURACY

ST 491.0 SR 215.4 SS 126.9
 CRT -.0539 CRS .2399 CST -.9676
 LSA 506.4 MSA 216.1 SSA 20.7
 EL1 491.1 EL2 215.0 ALF 178.32

LAUNCH DATE DEC 29 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 315.225

RL 147.11 LAL .00 LOL 97.07 VL 28.757 GAL -11.56 AZL 88.98 MCA 150.89 SMA 135.79 ECC .21639 INC 1.0214 V1 30.284
 RP 108.54 LAP .50 LOP 247.97 VP 38.316 GAP 4.74 AZP 90.89 TAL 236.27 TAP 27.16 RCA 106.41 APO 165.18 V2 34.914
 RC 108.588 GL 4.71 GP 20.56 ZAL 159.18 ZAP 129.11 ETS 14.98 ZAE 137.91 ETE 159.24 ZAC 29.46 ETC 184.71 CLP-132.36

PLANETOCENTRIC CONIC

C3 37.408 VHL 6.116 DLA -16.07 RAL 298.49 RAD 6568.5 VEL 12.601 PTH 2.29 VHP 4.678 DPA -2.77 RAP 295.10 ECC 1.6156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 54 1845.15 -9.23 19.30 168.35 116.89 3 26 39 1245.2 -5.55 12.56
 90.00 10 36 9 5537.75 28.31 257.63 177.49 90.62 12 8 27 4937.8 28.10 248.97
 100.00 4 8 17 1611.58 -10.63 1.39 167.61 118.10 4 35 9 1011.6 -6.79 354.71
 100.00 12 6 27 5246.57 29.89 236.21 177.49 89.54 13 33 54 4646.6 29.50 227.43
 110.00 4 56 41 1459.96 -14.23 347.79 165.50 121.41 5 21 1 860.0 -9.97 341.28
 110.00 13 34 33 4970.94 34.03 215.12 177.32 86.59 14 57 24 4370.9 33.19 205.98

DIFFERENTIAL CORRECTIONS

TDE -.1706 TRA-1.6930 TC3-1.2350 BAU .6367
 RDE -.1939 RRA .1997 RC3 .3095 FAU .09525
 FDE -.0732 FRA -.9809 FC3-2.2043 BSP 6896
 BDE .2583 BRA 1.7047 BC3 1.2732 FSP -797

MID-COURSE EXECUTION ACCURACY

SGT 2243.1 SGR 462.9 SG3 247.3
 RRT -.8324 RRF -.9018 RTF .8821
 SGB 2290.4 R23 .2853 R13 -.8878
 SG1 2276.4 SG2 252.8 THA 170.13

ORBIT DETERMINATION ACCURACY

ST 522.2 SR 191.2 SS 123.6
 CRT -.0040 CRS .0891 CST -.9808
 LSA 536.2 MSA 191.4 SSA 21.1
 EL1 522.2 EL2 191.2 ALF 179.90

LAUNCH DATE DEC 29 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 321.196

RL 147.11 LAL .00 LOL 97.07 VL 28.682 GAL -11.34 AZL 89.29 MCA 154.07 SMA 135.20 ECC .21472 INC .7083 V1 30.284
 RP 108.58 LAP .31 LOP 251.15 VP 38.250 GAP 5.01 AZP 90.64 TAL 234.94 TAP 29.01 RCA 106.17 APO 164.23 V2 34.903
 RC 110.951 GL 3.32 GP 22.29 ZAL 158.60 ZAP 130.68 ETS 17.86 ZAE 136.13 ETE 158.15 ZAC 30.41 ETC 187.23 CLP-134.79

PLANETOCENTRIC CONIC

C3 36.078 VHL 6.006 DLA -17.27 RAL 299.84 RAD 6568.4 VEL 12.548 PTH 2.27 VHP 4.808 DPA -.97 RAP 295.56 ECC 1.5938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 9 1791.27 -7.56 16.23 169.13 117.37 3 42 0 1191.3 -3.83 9.53
 90.00 10 29 6 5573.34 28.26 260.23 178.47 91.92 12 1 59 4973.3 28.23 251.57
 100.00 4 23 31 1560.95 -8.99 358.53 168.35 118.63 4 49 32 961.0 -5.10 351.90
 100.00 12 0 24 5278.89 29.88 238.62 178.51 90.80 13 28 23 4678.9 29.67 229.82
 110.00 5 9 51 1415.84 -12.65 345.34 166.18 122.02 5 33 26 815.8 -8.33 358.91
 110.00 13 30 35 4996.77 34.12 217.13 178.45 87.78 14 53 51 4396.8 33.44 207.95

DIFFERENTIAL CORRECTIONS

TDE -.2338 TRA-1.7086 TC3-1.3392 BAU .6863
 RDE -.1610 RRA .1886 RC3 .3390 FAU .08983
 FDE -.1369 FRA -.8697 FC3-2.1556 BSP 7263
 BDE .2839 BRA 1.7190 BC3 1.3815 FSP -759

MID-COURSE EXECUTION ACCURACY

SGT 2356.1 SGR 474.3 SG3 236.3
 RRT -.8434 RRF -.9239 RTF .8813
 SGB 2403.3 R23 .3202 R13 -.8872
 SG1 2390.2 SG2 252.2 THA 170.26

ORBIT DETERMINATION ACCURACY

ST 560.6 SR 164.1 SS 125.3
 CRT .0515 CRS -.0885 CST -.9835
 LSA 574.1 MSA 163.9 SSA 21.7
 EL1 560.7 EL2 163.9 ALF .94

LAUNCH DATE DEC 29 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 327.147

RL 147.11 LAL .00 LOL 97.07 VL 28.606 GAL -11.11 AZL 89.69 MCA 157.25 SMA 134.60 ECC .21312 INC .3136 V1 30.284
 RP 108.61 LAP .12 LOP 254.32 VP 38.183 GAP 5.27 AZP 90.29 TAL 233.56 TAP 30.81 RCA 105.92 APO 163.29 V2 34.892
 RC 113.313 GL 1.50 GP 24.48 ZAL 157.89 ZAP 131.82 ETS 21.27 ZAE 134.26 ETE 156.71 ZAC 31.62 ETC 190.20 CLP-137.11

PLANETOCENTRIC CONIC

C3 34.791 VHL 5.898 DLA -18.87 RAL 300.95 RAD 6568.4 VEL 12.496 PTH 2.26 VHP 4.964 DPA 1.32 RAP 296.04 ECC 1.5726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 53 1719.73 -5.30 12.19 170.23 117.86 4 2 32 1119.7 -1.53 5.53
 90.00 10 17 50 5826.54 28.07 264.11 179.74 93.86 11 51 36 5026.5 28.31 255.46
 100.00 4 43 42 1494.41 -6.80 354.80 169.41 119.18 5 8 37 894.4 -2.86 348.23
 100.00 11 50 41 5327.09 29.78 242.20 179.86 92.68 13 19 28 4727.1 29.84 233.39
 110.00 5 26 57 1358.90 -10.58 342.24 167.12 122.70 5 49 36 758.9 -6.19 335.89
 110.00 13 23 56 5035.36 34.18 220.14 179.96 89.56 14 47 51 4435.4 33.74 210.93

DIFFERENTIAL CORRECTIONS

TDE -.3196 TRA-1.7108 TC3-1.4486 BAU .6959
 RDE -.1234 RRA .1750 RC3 .3740 FAU .08419
 FDE -.2159 FRA -.7585 FC3-2.0950 BSP 7654
 BDE .3426 BRA 1.7197 BC3 1.4961 FSP -724

MID-COURSE EXECUTION ACCURACY

SGT 2470.0 SGR 491.2 SG3 224.6
 RRT -.8508 RRF -.9457 RTF .8808
 SGB 2518.4 R23 .3545 R13 -.8871
 SG1 2505.5 SG2 254.5 THA 170.30

ORBIT DETERMINATION ACCURACY

ST 613.7 SR 132.1 SS 138.3
 CRT .1003 CRS -.2714 CST -.9699
 LSA 628.4 MSA 133.4 SSA 22.6
 EL1 613.8 EL2 131.4 ALF 1.30

LAUNCH DATE DEC 29 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 333.079

RL 147.11 LAL .00 LOL 97.07 VL 28.530 GAL -10.87 AZL 90.20 HCA 160.42 SMA 134.01 ECC .21160 INC .1958 V1 30.284
 RP 108.64 LAP -.07 LOP 257.50 VP 38.116 GAP 5.52 AZP 89.81 TAL 232.16 TAP 32.58 RCA 105.66 APO 162.37 V2 34.881
 RC 115.673 GL -.96 GP 27.34 ZAL 156.97 ZAP 132.38 ETS 25.36 ZAE 132.16 ETE 154.86 ZAC 33.16 ETC 193.79 CLP-139.36

PLANETOCENTRIC CONIC

C3 33.601 VHL 5.797 OLA -21.07 RAL 302.49 RAD 6568.3 VEL 12.449 PTH 2.25 VHP 5.159 DPA 4.26 RAP 296.46 ECC 1.5530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 6 1618.39 -2.05 6.51 171.96 118.25 4 32 4 1018.4 1.74 359.88
 90.00 9 58 56 5710.31 27.54 270.18 181.43 96.86 11 34 6 5110.3 28.20 261.58
 100.00 5 12 14 1401.73 -3.70 349.67 171.04 119.68 5 35 35 801.7 .28 343.14
 100.00 11 34 29 5402.20 29.41 247.75 181.66 95.58 13 4 31 4802.2 29.88 238.97
 110.00 5 50 27 1281.91 -7.72 338.11 168.57 123.40 6 11 49 681.9 -3.27 331.85
 110.00 13 12 44 5094.79 34.11 224.78 182.04 92.31 14 37 39 4494.8 34.06 215.54

DIFFERENTIAL CORRECTIONS

TDE -.4384 TRA-1.6937 TC3-1.5605 BAU .7253
 RDE -.0787 RRA .1570 RC3 .4146 FAU .07796
 FDE -.3112 FRA -.6418 FC3-2.0087 BSP 8060
 BDE .4454 BRA 1.7010 BC3 1.6147 FSP -685

MID-COURSE EXECUTION ACCURACY

SGT 2584.5 SGR 514.3 SG3 211.3
 RRT -.8530 RRF -.9604 RTF .8807
 SGB 2635.2 R23 .3855 R13 -.8875
 SGI 2621.9 SG2 264.7 TMA 170.26

ORBIT DETERMINATION ACCURACY

ST 693.1 SR 93.6 SS 167.5
 CRT .0937 CRS -.3629 CST -.9481
 LSA 711.2 MSA 103.9 SSA 23.3
 EL1 693.1 EL2 93.1 ALF .74

LAUNCH DATE DEC 29 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 338.993

RL 147.11 LAL .00 LOL 97.07 VL 28.454 GAL -10.63 AZL 90.90 HCA 163.59 SMA 133.43 ECC .21014 INC .9001 V1 30.284
 RP 108.68 LAP -.25 LOP 260.67 VP 38.050 GAP 5.76 AZP 89.14 TAL 230.72 TAP 34.31 RCA 105.39 APO 161.47 V2 34.870
 RC 118.029 GL -4.41 GP 31.14 ZAL 155.57 ZAP 132.13 ETS 30.28 ZAE 129.62 ETE 152.53 ZAC 35.16 ETC 198.20 CLP-141.60

PLANETOCENTRIC CONIC

C3 32.635 VHL 5.713 OLA -24.21 RAL 304.41 RAD 6568.3 VEL 12.410 PTH 2.24 VHP 5.424 DPA 8.15 RAP 296.69 ECC 1.5371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 56 20 1455.93 3.19 357.44 175.06 118.15 5 20 36 855.9 6.93 350.76
 90.00 9 22 59 5858.06 25.90 280.68 183.53 101.87 11 0 37 5258.1 27.28 272.28
 100.00 5 57 19 1259.05 1.13 341.84 173.92 119.87 6 18 18 659.1 5.10 335.30
 100.00 11 4 41 5530.16 28.20 257.06 184.04 100.34 12 36 51 4930.2 29.34 248.44
 110.00 6 25 38 1170.24 -3.49 332.23 171.03 124.03 6 45 8 570.2 1.00 326.02
 110.00 12 52 51 5191.74 33.59 232.30 184.98 96.73 14 19 23 4591.7 34.16 223.10

DIFFERENTIAL CORRECTIONS

TDE -.6083 TRA-1.6466 TC3-1.6651 BAU .7536
 RDE -.0231 RRA .1309 RC3 .4587 FAU .07059
 FDE -.4246 FRA -.5130 FC3-1.8725 BSP 8429
 BDE .6088 BRA 1.6518 BC3 1.7272 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 2696.4 SGR 544.0 SG3 194.7
 RRT -.8478 RRF -.9730 RTF .8808
 SGB 2750.8 R23 .4106 R13 -.8884
 SGI 2736.0 SG2 284.3 TMA 170.19

ORBIT DETERMINATION ACCURACY

ST 818.9 SR 51.5 SS 216.8
 CRT -.2428 CRS -.0648 CST -.9380
 LSA 844.1 MSA 86.0 SSA 20.9
 EL1 819.0 EL2 49.9 ALF 179.12

LAUNCH DATE DEC 29 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 344.887

RL 147.11 LAL .00 LOL 97.07 VL 28.378 GAL -10.38 AZL 91.93 HCA 166.76 SMA 132.85 ECC .20875 INC 1.9273 V1 30.284
 RP 108.71 LAP -.44 LOP 263.84 VP 37.984 GAP 5.99 AZP 88.12 TAL 229.25 TAP 36.01 RCA 105.12 APO 160.59 V2 34.860
 RC 120.382 GL -9.52 GP 36.36 ZAL 153.15 ZAP 130.64 ETS 36.21 ZAE 126.25 ETE 149.70 ZAC 37.89 ETC 203.70 CLP-143.97

PLANETOCENTRIC CONIC

C3 32.226 VHL 5.677 OLA -28.91 RAL 307.01 RAD 6568.3 VEL 12.393 PTH 2.24 VHP 5.822 DPA 13.40 RAP 296.53 ECC 1.5304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.93 6 29 34 1173.08 16.95 343.69 183.50 113.77 6 49 7 573.1 20.02 336.32
 96.07 8 10 29 846.53 16.96 319.77 183.50 113.76 8 24 36 246.5 20.03 312.39
 100.00 7 36 59 954.33 11.24 324.86 180.65 117.88 7 52 53 354.3 14.88 317.97
 100.00 9 45 46 5828.55 22.85 277.57 186.01 109.81 11 22 54 5228.6 25.34 269.66
 110.00 7 27 35 983.91 3.62 322.50 176.05 124.01 7 43 59 383.9 8.06 316.22
 110.00 12 11 39 5371.74 31.33 245.84 188.94 104.43 13 41 11 4771.7 32.99 237.01

DIFFERENTIAL CORRECTIONS

TDE -.8740 TRA-1.5553 TC3-1.7440 BAU .7818
 RDE .0546 RRA .0921 RC3 .5016 FAU .06179
 FDE -.5690 FRA -.3752 FC3-1.6599 BSP 8859
 BDE .8757 BRA 1.5581 BC3 1.8147 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 2813.2 SGR 581.9 SG3 174.3
 RRT -.8348 RRF -.9805 RTF .8836
 SGB 2872.8 R23 .4239 R13 -.8919
 SGI 2855.4 SG2 315.6 TMA 170.08

ORBIT DETERMINATION ACCURACY

ST 1034.9 SR 65.9 SS 297.5
 CRT -.9788 CRS .9427 CST -.9471
 LSA 1074.8 MSA 92.1 SSA 13.1
 EL1 1036.9 EL2 13.5 ALF 176.43

LAUNCH DATE DEC 29 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 350.759

RL 147.11 LAL .00 LOL 97.07 VL 28.302 GAL -10.12 AZL 93.58 HCA 169.92 SMA 132.28 ECC .20743 INC 3.5826 V1 30.284
 RP 108.74 LAP -.63 LOP 267.01 VP 37.918 GAP 6.21 AZP 86.47 TAL 227.74 TAP 37.66 RCA 104.84 APO 159.72 V2 34.851
 RC 122.731 GL -17.53 GP 43.75 ZAL 148.42 ZAP 127.20 ETS 43.35 ZAE 121.35 ETE 146.55 ZAC 41.85 ETC 210.72 CLP-146.82

PLANETOCENTRIC CONIC

C3 33.422 VHL 5.781 OLA -36.28 RAL 311.11 RAD 6568.3 VEL 12.442 PTH 2.25 VHP 6.514 DPA 20.74 RAP 295.48 ECC 1.5500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.31 4 45 43 1558.39 20.59 14.93 190.30 120.55 5 11 41 958.4 24.48 7.78
 113.69 10 27 2 5767.61 20.60 271.79 190.31 120.54 12 3 10 5167.6 24.50 264.63
 66.31 4 45 43 1558.39 20.59 14.93 190.30 120.55 5 11 41 958.4 24.48 7.78
 113.69 10 27 2 5767.61 20.60 271.79 190.31 120.54 12 3 10 5167.6 24.50 264.63
 66.31 4 45 43 1558.39 20.59 14.93 190.30 120.55 5 11 41 958.4 24.48 7.78
 113.69 10 27 2 5767.61 20.60 271.79 190.31 120.54 12 3 10 5167.6 24.50 264.63

DIFFERENTIAL CORRECTIONS

TDE -1.3325 TRA-1.3753 TC3-1.7275 BAU .8055
 RDE .1715 RRA .0231 RC3 .5156 FAU .03048
 FDE -.7452 FRA -.2195 FC3-1.3077 BSP 9282
 BDE 1.3435 BRA 1.3756 BC3 1.8028 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 2931.3 SGR 620.7 SG3 147.2
 RRT -.8066 RRF -.9787 RTF .8911
 SGB 2996.2 R23 .4209 R13 -.9002
 SGI 2974.3 SG2 361.6 TMA 170.16

ORBIT DETERMINATION ACCURACY

ST 1415.9 SR 171.1 SS 418.9
 CRT -.9500 CRS .9976 CST -.9669
 LSA 1482.1 MSA 114.0 SSA 6.2
 EL1 1425.2 EL2 53.1 ALF 173.44

LAUNCH DATE DEC 29 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 356.603

RL 147.11 LAL .00 LOL 97.07 VL 28.227 GAL -9.85 AZL 96.72 HCA 173.06 SMA 131.72 ECC .20615 INC 6.7179 V1 30.284
 RP 108.76 LAP -.81 LOP 270.18 VP 37.854 GAP 6.42 ATP 83.33 TAL 226.21 TAP 39.26 RCA 104.57 APO 158.87 V2 34.842
 RC 125.075 GL -30.73 GP 54.55 ZAL 138.67 ZAP 120.67 ETS 52.29 ZAE 113.57 ETE 144.26 ZAC 47.89 ETC 220.17 CLP-151.57

PLANETOCENTRIC CONIC

C3 40.544 VHL 6.367 DLA -48.14 RAL 319.54 RAD 6568.6 VEL 12.724 PTH 2.31 VHP 7.992 OPA 31.19 RAP 292.26 ECC 1.6673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.29 4 6 6 1808.77 24.03 39.48 205.97 133.06 4 36 15 1208.8 29.34 33.20
 130.71 12 13 54 5614.82 24.04 261.31 205.99 133.05 13 47 29 5014.8 29.35 255.02
 49.29 4 6 6 1808.77 24.03 39.48 205.97 133.06 4 36 15 1208.8 29.34 33.20
 130.71 12 13 54 5614.82 24.04 261.31 205.99 133.05 13 47 29 5014.8 29.35 255.02
 49.29 4 6 6 1808.77 24.03 39.48 205.97 133.06 4 36 15 1208.8 29.34 33.20
 130.71 12 13 54 5614.82 24.04 261.31 205.99 133.05 13 47 29 5014.8 29.35 255.02

DIFFERENTIAL CORRECTIONS

TDE-2.2878 TRA -.9805 TC3 -1.4307 BAU .8074
 RDE .3342 RRA -.1080 RC3 .4150 FAU .03569
 FDE -.9490 FRA -.0392 FC3 -.7620 BSP 9642
 BDE 2.3120 BRA .9864 BC3 1.4896 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 3050.4 SGR 625.2 SG3 111.8
 RRT -.7285 RRF -.9420 RTF .9112
 SGB 3113.8 R23 .3870 R13 -.9194
 SG1 3084.9 SG2 423.5 TMA 171.34

ORBIT DETERMINATION ACCURACY

ST 2097.2 SR 304.3 SS 590.0
 CRT -.9443 CRS .9866 CST -.9853
 LSA 2195.5 MSA 136.4 SSA 2.4
 EL1 2116.8 EL2 99.2 ALF 172.18

LAUNCH DATE DEC 29 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 362.379

RL 147.11 LAL .00 LOL 97.07 VL 28.151 GAL -9.56 AZL 104.89 HCA 176.14 SMA 131.17 ECC .20480 INC14.8909 V1 30.284
 RP 108.79 LAP -.99 LOP 273.34 VP 37.790 GAP 6.60 ATP 75.14 TAL 224.62 TAP 40.76 RCA 104.30 APO 158.03 V2 34.834
 RC 127.413 GL -51.00 GP 69.83 ZAL 120.28 ZAP 109.75 ETS 69.88 ZAE 100.01 ETE 151.47 ZAC 56.91 ETC 239.43 CLP-168.60

PLANETOCENTRIC CONIC

C3 84.269 VHL 9.180 DLA -63.33 RAL 346.15 RAD 6569.7 VEL 14.339 PTH 2.61 VHP 12.428 OPA 43.48 RAP 281.65 ECC 2.3869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.65 4 59 45 2096.46 18.73 65.19 246.34 151.71 5 34 42 1496.5 25.73 61.41
 149.35 14 52 37 5682.19 18.74 261.60 246.35 151.71 16 27 19 5082.2 25.74 257.82
 30.65 4 59 45 2096.46 18.73 65.19 246.34 151.71 5 34 42 1496.5 25.73 61.41
 149.35 14 52 37 5682.19 18.74 261.60 246.35 151.71 16 27 19 5082.2 25.74 257.82
 30.65 4 59 45 2096.46 18.73 65.19 246.34 151.71 5 34 42 1496.5 25.73 61.41
 149.35 14 52 37 5682.19 18.74 261.60 246.35 151.71 16 27 19 5082.2 25.74 257.82

DIFFERENTIAL CORRECTIONS

TDE-4.7558 TRA .2360 TC3 -.5897 BAU .6714
 RDE -.2504 RRA -.2918 RC3 .0864 FAU .01771
 FDE-1.1452 FRA .2043 FC3 -.1820 BSP 9820
 BDE 4.7624 BRA .3753 BC3 .5960 FSP -229

MID-COURSE EXECUTION ACCURACY

SGT 3176.6 SGR 462.9 SG3 72.5
 RRT .1081 RRF -.1459 RTF .9672
 SGB 3210.1 R23 -.2542 R13 .9666
 SG1 3177.0 SG2 460.2 TMA .92

ORBIT DETERMINATION ACCURACY

ST 2970.1 SR 198.2 SS 773.0
 CRT .7676 CRS -.7100 CST -.9963
 LSA 3072.1 MSA 142.8 SSA .9
 EL1 2974.0 EL2 126.9 ALF 2.94

LAUNCH DATE DEC 29 1965

FLIGHT TIME 122.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 367.619

RL 147.11 LAL .00 LOL 97.07 VL 28.076 GAL -9.15 AZL 154.16 HCA 178.70 SMA 130.62 ECC .20208 INC64.1591 V1 30.284
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.727 GAP 6.63 ATP 25.85 TAL 222.77 TAP 41.47 RCA 104.23 APO 157.02 V2 34.826
 RC 129.747 GL -53.10 GP 58.95 ZAL 98.15 ZAP 96.00 ETS 166.15 ZAE 64.18 ETE 239.48 ZAC 66.13 ETC 343.86 CLP 101.70

PLANETOCENTRIC CONIC

C3 973.230 VHL 31.197 DLA -49.55 RAL 23.15 RAD 6572.9 VEL 33.083 PTH 3.49 VHP 40.366 OPA 47.68 RAP 229.21 ECC17.0169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.47 8 13 45 2315.43 -.26 62.66 293.36 139.55 8 52 21 1715.4 5.82 57.87
 132.53 16 33 46 803.86 -.24 303.65 293.37 139.55 16 47 10 203.9 5.84 298.86
 47.47 8 13 45 2315.43 -.26 62.66 293.36 139.55 8 52 21 1715.4 5.82 57.87
 132.53 16 33 46 803.86 -.24 303.65 293.37 139.55 16 47 10 203.9 5.84 298.86
 47.47 8 13 45 2315.43 -.26 62.66 293.36 139.55 8 52 21 1715.4 5.82 57.87
 132.53 16 33 46 803.86 -.24 303.65 293.37 139.55 16 47 10 203.9 5.84 298.86

DIFFERENTIAL CORRECTIONS

TDE 3.4365 TRA .2082 TC3 -.0505 BAU 2.3143
 RDE-8.1199 RRA 7.4604 RC3 .1706 FAU-.03410
 FDE-1.4254 FRA 1.5026 FC3 .0303 BSP 8841
 BDE 8.8172 BRA 7.4633 BC3 .1779 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 707.8 SGR 2795.9 SG3 46.2
 RRT -.5820 RRF .9979 RTF -.5283
 SGB 2884.2 R23 -.0954 R13 .9954
 SG1 2827.4 SG2 569.2 TMA 98.74

ORBIT DETERMINATION ACCURACY

ST 631.5 SR 1620.6 SS 1015.9
 CRT -.9091 CRS -.9987 CST .8863
 LSA 1996.9 MSA 263.7 SSA .5
 EL1 1721.6 EL2 247.7 ALF 109.93

LAUNCH DATE DEC 29 1965

FLIGHT TIME 124.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 374.520

RL 147.11 LAL .00 LOL 97.07 VL 28.002 GAL -9.10 AZL 62.64 HCA 182.92 SMA 130.09 ECC .20417 INC27.3610 V1 30.284
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.665 GAP 7.13 ATP 117.33 TAL 221.64 TAP 44.57 RCA 103.53 APO 156.65 V2 34.819
 RC 132.074 GL 60.43 GP -73.26 ZAL 107.45 ZAP 106.52 ETS 248.60 ZAE 89.02 ETE 172.67 ZAC 87.55 ETC 83.16 CLP 170.85

PLANETOCENTRIC CONIC

C3 213.488 VHL 14.611 DLA 44.33 RAL 306.54 RAD 6571.2 VEL 18.298 PTH 3.03 VHP 16.006 OPA -81.94 RAP 111.95 ECC 4.5135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.35 15 30 49 4758.95 -6.35 219.55 210.02 46.04 16 50 8 4159.0 -11.87 214.09
 125.65 23 1 37 3371.30 -6.34 112.32 210.00 46.03 23 57 48 2771.3 -11.85 106.87
 54.35 15 30 49 4758.95 -6.35 219.55 210.02 46.04 16 50 8 4159.0 -11.87 214.09
 125.65 23 1 37 3371.30 -6.34 112.32 210.00 46.03 23 57 48 2771.3 -11.85 106.87
 54.35 15 30 49 4758.95 -6.35 219.55 210.02 46.04 16 50 8 4159.0 -11.87 214.09
 125.65 23 1 37 3371.30 -6.34 112.32 210.00 46.03 23 57 48 2771.3 -11.85 106.87

DIFFERENTIAL CORRECTIONS

TDE 5.3326 TRA-2.5984 TC3 -.0782 BAU .2235
 RDE-3.6208 RRA 3.2173 RC3 .0041 FAU .00803
 FDE 1.4866 FRA -.6721 FC3 -.0326 BSP 10392
 BDE 6.4457 BRA 4.1355 BC3 .0783 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 2340.4 SGR 2264.2 SG3 60.1
 RRT -.9534 RRF -.9381 RTF .9983
 SGB 3403.0 R23 -.1795 R13 -.9831
 SG1 3363.6 SG2 516.0 TMA 138.45

ORBIT DETERMINATION ACCURACY

ST 2134.3 SR 1515.2 SS 820.5
 CRT -.9880 CRS .9857 CST -.9999
 LSA 2735.9 MSA 198.3 SSA 1.1
 EL1 2610.5 EL2 191.4 ALF 144.74

LAUNCH DATE DEC 29 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 380.213

RL 147.11 LAL .00 LOL 97.07 VL 27.928 GAL -8.78 AZL 75.25 MCA 185.96 SMA 129.56 ECC .20297 INC14.7482 V1 30.284
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.604 GAP 7.28 ATP 104.67 TAL 219.97 TAP 45.92 RCA 103.27 APO 155.86 V2 34.812
 RC 134.395 GL 51.75 GP -56.59 ZAL 118.11 ZAP 121.09 ETS 289.40 ZAE 106.33 ETE 206.35 ZAC 77.48 ETC 122.96 CLP-159.69

PLANETOCENTRIC CONIC

C3 80.052 VML 8.947 OLA 33.65 RAL 303.26 RAD 6569.6 VEL 14.192 PTH 2.58 VMP 9.011 DPA -74.78 RAP 344.29 ECC 2.3175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.01 16 39 44 4334.67 -11.92 188.82 194.80 58.29 17 51 59 3734.7 -16.02 182.16
 108.99 21 26 29 3420.64 -11.90 120.75 194.78 58.29 22 23 30 2820.6 -16.01 114.09
 71.01 16 39 44 4334.67 -11.92 188.82 194.80 58.29 17 51 59 3734.7 -16.02 182.16
 108.99 21 26 29 3420.64 -11.90 120.75 194.78 58.29 22 23 30 2820.6 -16.01 114.09
 110.00 22 18 18 3262.15 -17.00 111.57 197.94 59.89 23 12 40 2662.1 -20.87 104.59
 110.00 20 47 5 3541.16 -6.91 126.88 191.55 56.44 21 46 6 2941.2 -11.28 120.51

DIFFERENTIAL CORRECTIONS

TOE 3.2828 TRA-3.2921 TC3 -.6555 BAU .7021
 RDE .0781 RRA .6121 RC3 -.0246 FAU .02861
 FDE 1.3059 FRA -.6850 FC3 -.3094 BSP 10992
 BDE 3.2838 BRA 3.3485 BC3 .6560 FSP -.331

MID-COURSE EXECUTION ACCURACY

SGT 3494.2 SGR 475.6 SG3 97.9
 RRT -.6233 RRF -.3377 RTF .9453
 SGB 3526.4 R23 -.3302 R13 -.9423
 SG1 3506.9 SG2 370.5 TMA 175.10

ORBIT DETERMINATION ACCURACY

ST 2235.6 SR 149.9 SS 662.7
 CRT -.0063 CRS -.1530 CST -.9872
 LSA 2329.6 MSA 180.9 SSA 2.4
 EL1 2235.6 EL2 149.9 ALF 179.98

LAUNCH DATE DEC 29 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 385.989

RL 147.11 LAL .00 LOL 97.07 VL 27.855 GAL -8.47 AZL 79.30 MCA 189.08 SMA 129.05 ECC .20215 INC10.7013 V1 30.284
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.544 GAP 7.46 ATP 100.57 TAL 218.31 TAP 47.39 RCA 102.96 APO 155.14 V2 34.806
 RC 136.709 GL 44.67 GP -43.46 ZAL 123.89 ZAP 131.67 ETS 299.59 ZAE 115.55 ETE 207.40 ZAC 70.46 ETC 133.01 CLP-156.33

PLANETOCENTRIC CONIC

C3 52.958 VML 7.277 OLA 26.52 RAL 304.50 RAD 6568.9 VEL 13.203 PTH 2.41 VMP 7.176 DPA -61.62 RAP 332.92 ECC 1.8715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 36 32 3488.69 -20.76 130.18 191.98 70.30 21 34 41 2888.7 -23.26 122.40
 90.00 17 39 33 4068.78 -4.19 164.65 184.51 61.97 18 47 22 3468.8 -7.90 157.94
 100.00 22 28 10 3128.79 -24.09 104.94 193.22 71.74 23 20 19 2528.8 -26.36 96.87
 100.00 18 30 36 3903.92 -1.10 150.84 182.80 60.13 19 35 40 3303.9 -5.07 144.30
 110.00 0 31 59 2753.67 -30.88 78.77 195.54 74.54 1 17 33 2153.7 -32.68 70.02
 110.00 18 47 12 3851.80 4.92 143.15 179.06 56.13 19 51 24 3251.8 .44 136.93

DIFFERENTIAL CORRECTIONS

TOE 2.3236 TRA-2.9684 TC3-1.1459 BAU .8129
 RDE .2410 RRA .2677 RC3 -.0733 FAU .04132
 FDE 1.2663 FRA -.6621 FC3 -.6755 BSP 11283
 BDE 2.3361 BRA 2.9805 BC3 1.1482 FSP -438

MID-COURSE EXECUTION ACCURACY

SGT 3598.7 SGR 320.8 SG3 131.0
 RRT -.0781 RRF .3225 RTF .9134
 SGB 3612.9 R23 -.3956 R13 -.9132
 SG1 3598.7 SG2 319.8 TMA 179.60

ORBIT DETERMINATION ACCURACY

ST 1990.8 SR 202.5 SS 627.9
 CRT .7241 CRS -.8628 CST -.9734
 LSA 2088.3 MSA 193.6 SSA 2.4
 EL1 1996.2 EL2 139.3 ALF 4.23

LAUNCH DATE DEC 29 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 391.777

RL 147.11 LAL .00 LOL 97.07 VL 27.782 GAL -8.16 AZL 81.28 MCA 192.22 SMA 128.54 ECC .20150 INC 8.7198 V1 30.284
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.485 GAP 7.63 ATP 98.52 TAL 216.64 TAP 48.86 RCA 102.64 APO 154.45 V2 34.801
 RC 139.015 GL 39.92 GP -34.46 ZAL 126.88 ZAP 138.90 ETS 305.77 ZAE 120.80 ETE 204.65 ZAC 66.52 ETC 139.12 CLP-156.07

PLANETOCENTRIC CONIC

C3 42.203 VML 6.496 OLA 22.04 RAL 306.22 RAD 6568.6 VEL 12.789 PTH 2.33 VMP 6.488 DPA -52.36 RAP 330.20 ECC 1.6946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 59 40 3167.85 -26.50 108.48 189.78 79.65 22 52 28 2567.8 -27.66 100.01
 90.00 16 30 9 4275.98 2.49 176.22 179.55 61.78 17 41 23 3676.0 -1.30 189.59
 100.00 23 36 43 2854.94 -28.57 85.86 190.18 80.79 24 24 18 2254.9 -29.54 77.19
 100.00 17 35 48 4064.12 4.32 159.64 178.53 60.39 18 43 32 3464.1 .35 153.10
 110.00 1 21 31 2539.37 -33.66 62.71 190.99 83.65 2 3 50 1939.4 -34.17 53.50
 110.00 18 11 25 3952.45 8.71 148.48 175.84 56.81 19 17 18 3352.5 4.28 142.19

DIFFERENTIAL CORRECTIONS

TOE 1.8777 TRA-2.7648 TC3-1.5329 BAU .8659
 RDE .2214 RRA .1799 RC3 -.0727 FAU .04845
 FDE 1.1923 FRA -.6053 FC3 -.9939 BSP 11604
 BDE 1.8907 BRA 2.7706 BC3 1.5346 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 3691.8 SGR 276.3 SG3 152.2
 RRT .0600 RRF .4698 RTF .8959
 SGB 3702.1 R23 .4164 R13 .8961
 SG1 3691.8 SG2 275.8 TMA .26

ORBIT DETERMINATION ACCURACY

ST 1835.4 SR 201.9 SS 597.8
 CRT .7636 CRS -.9129 CST -.9606
 LSA 1930.3 MSA 202.4 SSA 3.6
 EL1 1841.9 EL2 129.9 ALF 4.83

LAUNCH DATE DEC 29 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 397.564

RL 147.11 LAL .00 LOL 97.07 VL 27.710 GAL -7.85 AZL 82.46 MCA 195.37 SMA 128.05 ECC .20098 INC 7.5409 V1 30.284
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.428 GAP 7.81 ATP 97.27 TAL 214.95 TAP 50.33 RCA 102.31 APO 153.79 V2 34.797
 RC 141.312 GL 36.67 GP -28.20 ZAL 128.30 ZAP 143.97 ETS 310.49 ZAE 123.90 ETE 201.57 ZAC 64.62 ETC 143.72 CLP-156.58

PLANETOCENTRIC CONIC

C3 36.385 VML 6.032 OLA 19.16 RAL 308.00 RAD 6568.4 VEL 12.560 PTH 2.28 VMP 6.192 DPA -45.71 RAP 329.73 ECC 1.5988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 40 53 3005.44 -27.96 96.83 187.78 85.31 23 30 59 2405.4 -28.31 88.18
 90.00 16 3 9 4363.46 5.29 181.12 178.04 62.14 17 15 53 3763.5 1.52 174.47
 100.00 0 18 0 2705.00 -29.70 74.87 187.92 86.47 1 3 5 2105.0 -29.88 66.07
 100.00 17 12 40 4139.13 6.83 163.79 177.20 60.83 18 21 39 3539.1 2.89 157.22
 110.00 1 51 50 2411.41 -34.18 52.76 188.11 89.51 2 32 1 1811.4 -33.87 43.52
 110.00 17 55 19 4005.49 10.67 151.33 174.88 57.33 19 2 4 3405.5 6.29 144.98

DIFFERENTIAL CORRECTIONS

TOE 1.6268 TRA-2.6219 TC3-1.8545 BAU .9025
 RDE .1978 RRA .1432 RC3 -.0510 FAU .05190
 FDE 1.1095 FRA -.5345 FC3 -1.2349 BSP 11930
 BDE 1.6388 BRA 2.6258 BC3 1.8552 FSP -545

MID-COURSE EXECUTION ACCURACY

SGT 3787.4 SGR 244.5 SG3 164.4
 RRT .0523 RRF .4563 RTF .8853
 SGB 3795.3 R23 .4104 R13 .8854
 SG1 3787.4 SG2 244.2 TMA .19

ORBIT DETERMINATION ACCURACY

ST 1737.2 SR 192.8 SS 570.9
 CRT .7652 CRS -.9290 CST -.9489
 LSA 1826.8 MSA 209.1 SSA 4.8
 EL1 1743.5 EL2 123.6 ALF 4.88

LAUNCH DATE DEC 29 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 403.347

RL 147.11 LAL .00 LOL 97.07 VL 27.639 GAL -7.53 AZL 83.24 MCA 198.53 SMA 127.57 ECC .20059 INC 6.7557 V1 30.284
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.372 GAP 7.98 AZP 96.41 TAL 213.25 TAP 51.78 RCA 101.98 APO 153.16 V2 34.793
 RC 143.598 GL 34.36 GP -23.69 ZAL 128.76 ZAP 147.69 ETS 314.26 ZAE 125.79 ETE 198.85 ZAC 64.00 ETC 147.37 CLP-157.37

PLANETOCENTRIC CONIC

C3 32.622 VHL 5.712 DLA 17.28 RAL 309.79 RAD 6568.3 VEL 12.409 PTH 2.24 VHP 6.064 DPA -40.73 RAP 330.22 ECC 1.5369
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 7 34 2904.22 -28.30 89.44 186.66 88.99 23 55 58 2304.2 -28.14 80.78
 90.00 15 50 46 4409.57 6.75 183.72 177.74 62.43 17 4 16 3809.6 3.01 177.05
 100.00 0 42 49 2609.75 -29.89 67.80 186.68 90.18 1 26 18 2009.7 -29.55 59.01
 100.00 17 2 9 4179.28 8.15 166.04 176.98 61.14 18 11 48 3579.3 4.24 159.43
 110.00 2 13 0 2327.58 -34.04 46.22 186.52 93.38 2 51 47 1727.6 -33.19 37.08
 110.00 17 48 27 4034.21 11.72 152.89 174.83 57.66 18 55 41 3434.2 7.37 146.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4743 TRA-2.5045 TC3-2.1344 BAU .9309 SGT 3880.0 SGR 225.7 SG3 170.5 ST 1678.0 SR 188.4 SS 550.5
 RDE .1839 RRA .1214 RC3 -.0223 FAU .05303 RRT -.0008 RRF .3850 RTF .8776 CRT .7676 CRS -.9412 CST -.9386
 FDE 1.0365 FRA -.4571 FC3-1.4074 BSP 12189 SGB 3886.6 R23 -.3857 R13 -.8776 LSA 1763.0 MSA 215.0 SSA 6.1
 BDE 1.4857 BRA 2.5074 BC3 2.1345 FSP -.559 SG1 3880.0 SG2 225.7 THA 180.00 EL1 1684.3 EL2 120.3 ALF 4.95

LAUNCH DATE DEC 29 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 409.123

RL 147.11 LAL .00 LOL 97.07 VL 27.569 GAL -7.20 AZL 83.81 MCA 201.69 SMA 127.09 ECC .20033 INC 6.1924 V1 30.284
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.317 GAP 8.15 AZP 95.76 TAL 211.53 TAP 53.22 RCA 101.63 APO 152.55 V2 34.790
 RC 145.874 GL 32.66 GP -20.34 ZAL 128.58 ZAP 150.57 ETS 317.32 ZAE 127.01 ETE 196.57 ZAC 64.19 ETC 150.33 CLP-158.23

PLANETOCENTRIC CONIC

C3 29.897 VHL 5.468 DLA 16.05 RAL 311.60 RAD 6568.2 VEL 12.299 PTH 2.22 VHP 6.018 DPA -36.84 RAP 331.22 ECC 1.4920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 26 39 2836.74 -28.28 84.51 186.23 91.47 24 13 56 2236.7 -27.78 75.88
 90.00 15 46 8 4433.20 7.49 185.06 178.01 62.61 17 0 1 3833.2 3.77 178.37
 100.00 1 0 52 2545.60 -29.78 63.03 186.17 92.69 1 43 17 1945.6 -29.09 54.29
 100.00 16 58 32 4199.57 8.82 167.18 177.30 61.32 18 8 31 3599.6 4.92 160.55
 110.00 2 28 56 2270.04 -33.72 41.75 185.82 96.00 3 6 46 1670.0 -32.52 32.72
 110.00 17 46 57 4047.90 12.22 153.64 175.26 57.82 18 54 25 3447.9 7.88 147.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3733 TRA-2.4035 TC3-2.3958 BAU .9576 SGT 3975.4 SGR 217.7 SG3 173.6 ST 1641.8 SR 188.6 SS 533.9
 RDE .1770 RRA .1043 RC3 .0066 FAU .05306 RRT -.0575 RRF .2953 RTF .8723 CRT .7755 CRS -.9527 CST -.9299
 FDE .9714 FRA -.3846 FC3-1.5366 BSP 12515 SGB 3981.3 R23 -.3461 R13 -.8722 LSA 1722.7 MSA 219.5 SSA 7.4
 BDE 1.3847 BRA 2.4058 BC3 2.3958 FSP -.569 SG1 3975.4 SG2 217.3 THA 179.82 EL1 1648.3 EL2 118.6 ALF 5.12

LAUNCH DATE DEC 29 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 414.891

RL 147.11 LAL .00 LOL 97.07 VL 27.500 GAL -6.87 AZL 84.23 MCA 204.84 SMA 126.63 ECC .20020 INC 5.7665 V1 30.284
 RP 108.93 LAP -2.42 LOP 301.81 VP 37.263 GAP 8.32 AZP 95.24 TAL 209.80 TAP 54.64 RCA 101.28 APO 151.98 V2 34.787
 RC 148.138 GL 31.37 GP -17.76 ZAL 127.96 ZAP 152.89 ETS 319.81 ZAE 127.82 ETE 194.70 ZAC 64.92 ETC 152.76 CLP-159.17

PLANETOCENTRIC CONIC

C3 27.770 VHL 5.270 DLA 15.29 RAL 313.45 RAD 6568.1 VEL 12.213 PTH 2.19 VHP 6.018 DPA -33.68 RAP 332.54 ECC 1.4570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 41 8 2790.64 -28.16 81.14 186.30 93.15 24 27 39 2190.6 -27.42 72.55
 90.00 15 46 21 4442.42 7.78 185.59 178.63 62.69 17 0 23 3842.4 4.06 178.88
 100.00 1 14 46 2501.40 -29.60 59.76 186.19 94.40 1 56 27 1901.4 -28.67 51.08
 100.00 16 59 21 4206.89 9.06 167.59 177.94 61.39 18 9 28 3606.9 5.17 160.96
 110.00 2 41 36 2229.71 -33.39 38.65 185.72 97.81 3 18 45 1629.7 -31.95 29.72
 110.00 17 49 0 4051.35 12.35 153.83 175.98 57.87 18 56 31 3451.4 8.01 147.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3045 TRA-2.3108 TC3-2.6492 BAU .9836 SGT 4073.2 SGR 217.7 SG3 174.8 ST 1621.5 SR 192.4 SS 520.5
 RDE .1748 RRA .0889 RC3 .0336 FAU .05252 RRT -.1018 RRF .2083 RTF .8689 CRT .7884 CRS -.9636 CST -.9229
 FDE .9140 FRA -.3181 FC3-1.6373 BSP 12900 SGB 4079.0 R23 -.2986 R13 -.8689 LSA 1699.3 MSA 222.5 SSA 8.7
 BDE 1.3161 BRA 2.3125 BC3 2.6494 FSP -.578 SG1 4073.3 SG2 216.6 THA 179.69 EL1 1628.6 EL2 117.8 ALF 5.37

LAUNCH DATE DEC 29 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 420.651

RL 147.11 LAL .00 LOL 97.07 VL 27.431 GAL -6.52 AZL 84.57 MCA 208.00 SMA 126.18 ECC .20020 INC 5.4313 V1 30.284
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.211 GAP 8.50 AZP 94.80 TAL 208.05 TAP 56.05 RCA 100.92 APO 151.44 V2 34.786
 RC 150.390 GL 30.37 GP -15.74 ZAL 127.01 ZAP 154.83 ETS 321.84 ZAE 128.38 ETE 193.16 ZAC 66.01 ETC 154.80 CLP-160.10

PLANETOCENTRIC CONIC

C3 26.027 VHL 5.102 DLA 14.86 RAL 315.34 RAD 6568.1 VEL 12.141 PTH 2.18 VHP 6.046 DPA -31.03 RAP 334.05 ECC 1.4283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 52 36 2759.32 -28.02 78.86 186.76 94.29 24 38 35 2159.3 -27.13 70.31
 90.00 15 50 0 4441.55 7.75 185.54 179.49 62.68 17 4 2 3841.5 4.03 178.84
 100.00 1 25 54 2471.10 -29.42 57.52 186.63 95.56 2 7 5 1871.1 -28.34 48.89
 100.00 17 3 19 4204.99 9.00 167.48 178.82 61.37 18 13 24 3605.0 5.10 160.85
 110.00 2 52 4 2201.48 -33.10 36.50 186.07 99.05 3 28 46 1601.5 -31.50 27.64
 110.00 17 53 38 4047.38 12.20 153.61 176.91 57.82 19 1 6 3447.4 7.87 147.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2526 TRA-2.2262 TC3-2.9083 BAU 1.0122 SGT 4180.4 SGR 222.5 SG3 175.5 ST 1609.1 SR 198.4 SS 506.9
 RDE .1751 RRA .0738 RC3 .0578 FAU .05190 RRT -.1294 RRF .1317 RTF .8683 CRT .8038 CRS -.9729 CST -.9176
 FDE .8588 FRA -.2627 FC3-1.7265 BSP 13459 SGB 4186.3 R23 -.2464 R13 -.8682 LSA 1683.9 MSA 223.3 SSA 10.1
 BDE 1.2648 BRA 2.2274 BC3 2.9088 FSP -.598 SG1 4180.5 SG2 220.7 THA 179.60 EL1 1617.0 EL2 117.4 ALF 5.69

LAUNCH DATE DEC 29 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 426.408

RL 147.11 LAL .00 LOL 97.07 VL 27.363 GAL -6.17 AZL 84.84 MCA 211.16 SMA 125.73 ECC .20035 INC 5.1592 V1 30.284
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.160 GAP 8.67 AZP 94.42 TAL 206.28 TAP 57.44 RCA 100.54 APO 150.92 V2 34.785
 RC 152.629 GL 29.59 GP -14.11 ZAL 125.77 ZAP 156.51 ETS 323.50 ZAE 128.79 ETE 191.88 ZAC 67.36 ETC 156.54 CLP-161.02

PLANETOCENTRIC CONIC

C3 24.547 VHL 4.954 DLA 14.70 RAL 317.30 RAD 6568.0 VEL 12.080 PTH 2.16 VHP 6.092 DPA -28.74 RAP 335.71 ECC 1.4040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 5 51 2739.03 -27.91 77.39 187.54 95.02 0 51 30 2139.0 -26.92 68.86
 90.00 15 56 20 4432.95 7.49 185.05 180.55 62.61 17 10 13 3832.9 3.76 178.35
 100.00 1 35 6 2451.20 -29.28 56.06 187.39 96.32 2 15 58 1851.2 -28.09 47.46
 100.00 17 9 46 4196.01 8.70 166.98 179.90 61.29 18 19 42 3596.0 4.80 160.36
 110.00 3 1 1 2182.37 -32.89 35.05 186.79 99.89 3 37 24 1582.4 -31.18 26.24
 110.00 18 0 21 4037.61 11.85 153.08 178.02 57.70 19 7 38 3437.6 7.50 146.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2570 TRA-2.1011 TC3-3.1049 BAU 1.0193 SGT 4229.5 SGR 236.1 S63 171.9 ST 1640.0 SR 209.0 SS 517.9
 RDE .1797 RRA .0623 RC3 .0845 FAU .04918 RRT -.1429 RRF .0952 RTF .8587 CRT .8314 CRS -.9836 CST -.9149
 FDE .8480 FRA -.1702 FC3-1.7346 BSP 13091 SGB 4236.1 R23 -.2205 R13 -.8586 LSA 1717.3 MSA 228.4 SSA 11.0
 BDE 1.2698 BRA 2.1020 BC3 3.1060 FSP -536 SG1 4229.7 S62 233.7 THA 179.54 EL1 1649.2 EL2 115.5 ALF 6.08

LAUNCH DATE DEC 29 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 432.153

RL 147.11 LAL .00 LOL 97.07 VL 27.297 GAL -5.81 AZL 85.07 MCA 214.32 SMA 125.30 ECC .20061 INC 4.9325 V1 30.284
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.111 GAP 8.84 AZP 94.08 TAL 204.51 TAP 58.82 RCA 100.16 APO 150.44 V2 34.784
 RC 154.855 GL 28.95 GP -12.78 ZAL 124.30 ZAP 157.99 ETS 324.84 ZAE 129.11 ETE 190.82 ZAC 68.91 ETC 158.02 CLP-161.93

PLANETOCENTRIC CONIC

C3 23.267 VHL 4.824 DLA 14.74 RAL 319.34 RAD 6567.9 VEL 12.027 PTH 2.15 VHP 6.151 DPA -26.70 RAP 337.47 ECC 1.3829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 13 39 2727.24 -27.83 76.53 188.59 95.44 0 59 6 2127.2 -26.79 68.02
 90.00 16 4 48 4418.52 7.03 184.23 181.80 62.50 17 18 27 3818.5 3.29 177.55
 100.00 1 42 56 2439.32 -29.18 55.19 188.43 96.77 2 23 35 1859.3 -27.94 46.61
 100.00 17 18 12 4181.67 8.23 166.17 181.15 61.16 18 27 54 3581.7 4.32 159.57
 110.00 3 8 54 2170.31 -32.75 34.13 187.80 100.41 3 45 4 1570.3 -30.96 29.37
 110.00 18 8 43 4023.45 11.33 152.31 179.29 57.53 19 15 47 3423.4 6.97 145.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2428 TRA-2.0051 TC3-3.3514 BAU 1.0430 SGT 4324.0 SGR 247.3 S63 170.8 ST 1655.7 SR 218.3 SS 513.5
 RDE .1832 RRA .0485 RC3 .1050 FAU .04790 RRT -.1431 RRF .0555 RTF .8580 CRT .8522 CRS -.9898 CST -.9134
 FDE .8115 FRA -.1156 FC3-1.7823 BSP 13506 SGB 4331.1 R23 -.1806 R13 -.8579 LSA 1730.3 MSA 227.5 SSA 12.2
 BDE 1.2562 BRA 2.0057 BC3 3.3530 FSP -541 SG1 4324.2 S62 244.7 THA 179.53 EL1 1664.1 EL2 113.5 ALF 6.45

LAUNCH DATE DEC 29 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 437.890

RL 147.11 LAL .00 LOL 97.07 VL 27.231 GAL -5.44 AZL 85.26 MCA 217.48 SMA 124.88 ECC .20104 INC 4.7398 V1 30.284
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.063 GAP 9.01 AZP 93.76 TAL 202.71 TAP 60.19 RCA 99.77 APO 149.98 V2 34.785
 RC 157.067 GL 28.42 GP -11.67 ZAL 122.63 ZAP 159.33 ETS 325.91 ZAE 129.35 ETE 189.93 ZAC 70.60 ETC 159.31 CLP-162.82

PLANETOCENTRIC CONIC

C3 22.145 VHL 4.706 DLA 14.94 RAL 321.47 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 6.220 DPA -24.85 RAP 339.31 ECC 1.3644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 20 17 2722.48 -27.80 76.19 189.89 95.61 1 5 39 2122.5 -26.73 67.68
 90.00 16 15 9 4399.25 6.43 183.14 183.22 62.36 17 28 28 3799.2 2.67 176.47
 100.00 1 49 42 2434.08 -29.14 54.81 189.72 96.97 2 30 16 1834.1 -27.87 46.23
 100.00 17 28 24 4162.88 7.61 165.12 182.57 61.01 18 37 47 3562.9 3.69 158.53
 110.00 3 16 0 2184.09 -32.67 33.66 189.08 100.68 3 52 4 1564.1 -30.85 24.92
 110.00 18 18 36 4005.63 10.68 151.34 180.72 57.33 19 25 22 3405.6 6.30 144.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2423 TRA-1.9019 TC3-3.5955 BAU 1.0651 SGT 4414.0 SGR 259.9 S63 169.1 ST 1677.8 SR 228.5 SS 512.5
 RDE .1873 RRA .0353 RC3 .1235 FAU .04644 RRT -.1352 RRF .0296 RTF .8573 CRT .8739 CRS -.9942 CST -.9136
 FDE .7820 FRA -.0615 FC3-1.8155 BSP 13869 SGB 4421.7 R23 -.1473 R13 -.8573 LSA 1754.7 MSA 225.5 SSA 13.4
 BDE 1.2563 BRA 1.9023 BC3 3.5977 FSP -542 SG1 4414.2 S62 257.5 THA 179.54 EL1 1689.7 EL2 110.3 ALF 6.82

LAUNCH DATE DEC 29 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 443.819

RL 147.11 LAL .00 LOL 97.07 VL 27.166 GAL -5.07 AZL 85.43 MCA 220.64 SMA 124.46 ECC .20162 INC 4.5730 V1 30.284
 RP 108.94 LAP -2.98 LOP 317.62 VP 37.017 GAP 9.19 AZP 93.47 TAL 200.91 TAP 61.55 RCA 99.37 APO 149.56 V2 34.786
 RC 159.265 GL 27.97 GP -10.74 ZAL 120.77 ZAP 160.55 ETS 326.75 ZAE 129.56 ETE 189.17 ZAC 72.41 ETC 160.43 CLP-163.69

PLANETOCENTRIC CONIC

C3 21.153 VHL 4.599 DLA 15.28 RAL 323.70 RAD 6567.9 VEL 11.939 PTH 2.12 VHP 6.296 DPA -23.15 RAP 341.21 ECC 1.3481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 26 0 2723.73 -27.81 76.28 191.42 95.57 1 11 24 2123.7 -26.75 67.77
 90.00 16 27 11 4375.90 5.69 181.82 184.82 62.21 17 40 7 3775.9 1.92 175.16
 100.00 1 55 41 2434.51 -29.15 54.84 191.25 96.95 2 36 16 1834.5 -27.88 46.26
 100.00 17 40 11 4140.35 6.87 163.86 184.18 60.84 18 49 11 3540.4 2.93 157.29
 110.00 3 22 31 2162.83 -32.65 33.57 190.62 100.73 3 58 34 1562.8 -30.83 24.83
 110.00 18 29 51 3984.79 9.91 150.21 182.33 57.12 19 36 15 3384.8 5.51 143.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2551 TRA-1.7890 TC3-3.8332 BAU 1.0848 SGT 4496.2 SGR 273.4 S63 167.0 ST 1713.5 SR 239.4 SS 515.4
 RDE .1920 RRA .0227 RC3 .1403 FAU .04478 RRT -.1210 RRF .0160 RTF .8563 CRT .8959 CRS -.9968 CST -.9155
 FDE .7594 FRA -.0063 FC3-1.8326 BSP 14142 SGB 4504.5 R23 -.1209 R13 -.8562 LSA 1791.5 MSA 222.5 SSA 14.6
 BDE 1.2697 BRA 1.7892 BC3 3.8358 FSP -535 SG1 4496.3 S62 271.3 THA 179.58 EL1 1727.0 EL2 105.5 ALF 7.16

LAUNCH DATE DEC 29 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 27.102 GAL -4.68 AZL 85.57 HCA 223.80 SMA 124.06 ECC .20237 INC 4.4262 V1 30.284
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.971 GAP 9.37 AZP 93.20 TAL 199.09 TAP 62.89 RCA 98.95 APO 149.16 V2 34.788
 RC 161.449 GL 27.58 GP -9.95 ZAL 118.73 ZAP 161.69 ETS 327.38 ZAE 129.74 ETE 188.53 ZAC 74.32 ETC 161.43 CLP-164.55

PLANETOCENTRIC CONIC
 C3 20.278 VHL 4.503 DLA 15.75 RAL 326.03 RAD 6567.8 VEL 11.902 PTH 2.11 VHP 6.379 DPA -21.56 RAP 343.15 ECC 1.3337
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 2 2730.30 -27.85 76.75 193.18 95.33 1 16 32 2130.3 -26.82 68.24
 90.00 16 40 48 4349.08 4.83 180.31 186.61 62.06 17 53 17 3749.1 1.06 173.67
 100.00 2 1 4 2439.94 -29.19 55.23 193.02 96.75 2 41 44 1839.9 -27.95 46.65
 100.00 17 53 27 4114.68 6.01 162.43 185.97 60.66 19 2 2 3514.7 2.06 155.88
 110.00 3 28 38 2165.95 -32.69 33.81 192.40 100.60 4 4 44 1566.0 -30.88 25.05
 110.00 18 42 22 3961.43 9.04 148.96 184.11 56.89 19 48 24 3361.4 4.62 142.66

DIFFERENTIAL CORRECTIONS
 TDE 1.2765 TRA-1.6698 TC3-4.0693 BAU 1.1040 SGT 4576.3 SGR 287.0 SG3 164.8 ST 1757.5 SR 250.4 SS 519.6
 RDE .1968 RRA .0104 RC3 .1549 FAU .04310 RRT -.1029 RRF .0097 RTF .8558 CRT .9167 CRS -.9976 CST -.9187
 FDE .7398 FRA .0460 FC3-1.8401 BSP 14423 SGB 4585.3 R23 -.0986 R13 -.8558 LSA 1836.8 MSA 217.9 SSA 15.7
 BDE 1.2916 BRA 1.6698 BC3 4.0723 FSP -529 SG1 4576.4 SG2 285.4 TMA 179.63 EL1 1772.4 EL2 99.2 ALF 7.47

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 27.039 GAL -4.28 AZL 85.70 HCA 226.96 SMA 123.66 ECC .20328 INC 4.2955 V1 30.284
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.928 GAP 9.55 AZP 92.93 TAL 197.26 TAP 64.22 RCA 98.53 APO 148.80 V2 34.791
 RC 163.619 GL 27.21 GP -9.27 ZAL 116.53 ZAP 162.75 ETS 327.82 ZAE 129.90 ETE 187.98 ZAC 76.30 ETC 162.31 CLP-165.39

PLANETOCENTRIC CONIC
 C3 19.509 VHL 4.417 DLA 16.31 RAL 328.49 RAD 6567.8 VEL 11.870 PTH 2.11 VHP 6.469 DPA -20.05 RAP 345.14 ECC 1.3211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 35 29 2741.74 -27.92 77.58 195.18 94.92 1 21 10 2141.7 -26.95 69.05
 90.00 16 55 56 4319.25 3.88 178.64 188.61 61.93 18 7 55 3719.2 -.09 172.00
 100.00 2 5 58 2449.92 -29.27 55.97 195.02 96.37 2 46 48 1849.9 -28.08 47.37
 100.00 18 8 8 4086.29 5.06 160.86 187.96 60.50 19 16 14 3486.3 1.10 154.32
 110.00 3 34 28 2173.02 -32.78 34.34 194.42 100.29 4 10 41 1573.0 -31.01 25.56
 110.00 18 56 7 3935.97 8.09 147.60 186.09 56.68 20 1 43 3336.0 3.65 141.32

DIFFERENTIAL CORRECTIONS
 TDE 1.3086 TRA-1.5403 TC3-4.2962 BAU 1.1214 SGT 4649.6 SGR 300.6 SG3 162.2 ST 1812.3 SR 261.7 SS 526.9
 RDE .2017 RRA -.0012 RC3 .1675 FAU .04132 RRT -.0815 RRF .0111 RTF .8551 CRT .9361 CRS -.9967 CST -.9232
 FDE .7251 FRA .0987 FC3-1.8335 BSP 14635 SGB 4659.4 R23 -.0813 R13 -.8551 LSA 1893.5 MSA 212.4 SSA 16.8
 BDE 1.3240 BRA 1.5403 BC3 4.2995 FSP -518 SG1 4649.7 SG2 299.6 TMA 179.70 EL1 1828.9 EL2 91.2 ALF 7.72

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 154.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.977 GAL -3.87 AZL 85.82 HCA 230.12 SMA 123.28 ECC .20437 INC 4.1776 V1 30.284
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.885 GAP 9.73 AZP 92.68 TAL 195.42 TAP 65.54 RCA 98.08 APO 148.47 V2 34.794
 RC 165.775 GL 26.85 GP -8.68 ZAL 114.15 ZAP 163.75 ETS 328.09 ZAE 130.06 ETE 187.50 ZAC 78.34 ETC 163.09 CLP-166.21

PLANETOCENTRIC CONIC
 C3 18.839 VHL 4.340 DLA 16.96 RAL 331.07 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 6.564 DPA -18.61 RAP 347.15 ECC 1.3100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 28 2757.69 -28.01 78.74 197.40 94.35 1 25 26 2157.7 -27.11 70.19
 90.00 17 12 32 4286.81 2.84 176.82 190.82 61.81 18 23 59 3686.8 -.95 170.20
 100.00 2 10 31 2464.11 -29.37 57.01 197.27 95.83 2 51 35 1864.1 -28.25 48.38
 100.00 18 24 11 4055.62 4.03 159.17 190.16 60.36 19 31 46 3455.6 .06 152.64
 110.00 3 40 8 2183.70 -32.91 35.15 196.70 99.83 4 16 32 1583.7 -31.20 26.34
 110.00 19 11 3 3908.79 7.07 146.15 188.28 56.47 20 16 12 3308.8 2.62 139.90

DIFFERENTIAL CORRECTIONS
 TDE 1.3451 TRA-1.4052 TC3-4.5214 BAU 1.1397 SGT 4724.3 SGR 313.8 SG3 159.8 ST 1872.2 SR 272.9 SS 533.4
 RDE .2067 RRA -.0124 RC3 .1775 FAU .03965 RRT -.0589 RRF .0146 RTF .8556 CRT .9529 CRS -.9942 CST -.9282
 FDE .7101 FRA .1477 FC3-1.8219 BSP 14903 SGB 4734.7 R23 -.0654 R13 -.8556 LSA 1954.9 MSA 205.4 SSA 17.9
 BDE 1.3609 BRA 1.4053 BC3 4.5249 FSP -512 SG1 4724.4 SG2 313.3 TMA 179.77 EL1 1890.2 EL2 82.0 ALF 7.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 156.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.915 GAL -3.45 AZL 85.93 HCA 233.28 SMA 122.90 ECC .20565 INC 4.0700 V1 30.284
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.844 GAP 9.92 AZP 92.44 TAL 193.58 TAP 66.86 RCA 97.63 APO 148.18 V2 34.798
 RC 167.915 GL 26.50 GP -8.17 ZAL 111.62 ZAP 164.69 ETS 328.18 ZAE 130.20 ETE 187.09 ZAC 80.44 ETC 163.80 CLP-167.01

PLANETOCENTRIC CONIC
 C3 18.268 VHL 4.274 DLA 17.68 RAL 333.78 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 6.664 DPA -17.22 RAP 349.20 ECC 1.3006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 6 2777.94 -28.10 80.22 199.87 93.61 1 29 24 2177.9 -27.31 71.64
 90.00 17 30 34 4252.09 1.72 174.89 193.26 61.73 18 41 26 3652.1 -2.07 168.26
 100.00 2 14 47 2482.27 -29.49 58.35 199.75 95.14 2 56 9 1882.3 -28.46 49.69
 100.00 18 41 34 4023.01 2.93 157.37 192.58 60.24 19 48 37 3423.0 -1.05 150.85
 110.00 3 45 43 2197.76 -33.06 36.21 199.22 99.22 4 22 21 1597.8 -31.44 27.36
 110.00 19 27 7 3880.28 6.00 144.65 190.68 56.28 20 31 48 3280.3 1.53 138.41

DIFFERENTIAL CORRECTIONS
 TDE 1.3890 TRA-1.2618 TC3-4.7340 BAU 1.1570 SGT 4795.3 SGR 326.6 SG3 157.3 ST 1940.5 SR 284.1 SS 541.0
 RDE .2118 RRA -.0229 RC3 .1852 FAU .03796 RRT -.0350 RRF .0221 RTF .8565 CRT .9671 CRS -.9904 CST -.9337
 FDE .6973 FRA .1949 FC3-1.7990 BSP 15160 SGB 4806.4 R23 -.0522 R13 -.8565 LSA 2024.7 MSA 197.4 SSA 19.0
 BDE 1.4050 BRA 1.2621 BC3 4.7376 FSP -505 SG1 4795.3 SG2 326.4 TMA 179.86 EL1 1959.8 EL2 71.5 ALF 8.07

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 472.120

RL 147.11 LAL .00 LOL 97.07 VL 26.855 GAL -3.02 AZL 86.03 MCA 236.44 SMA 122.53 ECC .20713 INC 3.9710 V1 30.284
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.805 GAP 10.12 AZP 92.20 TAL 191.72 TAP 68.16 RCA 97.15 APO 147.91 V2 34.803
 RC 170.040 GL 26.12 GP -7.72 ZAL 108.94 ZAP 165.60 ETS 320.11 ZAE 130.34 ETE 186.74 ZAC 82.58 ETC 164.43 CLP-167.80

PLANETOCENTRIC CONIC

C3 17.794 VHL 4.218 DLA 18.47 RAL 336.64 RAD 6567.7 VEL 11.797 PTH 2.09 VMP 6.771 OPA -15.87 RAP 351.26 ECC 1.2928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 25 2802.29 -28.20 81.99 202.58 92.73 1 33 7 2202.3 -27.52 73.39
 90.00 17 50 1 4215.49 .54 172.84 195.94 61.69 19 0 16 3615.5 -3.25 166.21
 100.00 2 18 51 2504.18 -29.61 59.96 202.48 94.29 3 0 36 1904.2 -28.70 51.28
 100.00 19 0 15 3988.83 1.78 155.49 195.25 60.16 20 6 44 3388.8 -2.21 148.97
 110.00 3 51 17 2214.98 -33.24 37.52 202.00 98.46 4 28 12 1615.0 -31.72 28.63
 110.00 19 44 19 3850.79 4.88 143.09 193.31 56.13 20 48 29 3250.8 .40 136.88

DIFFERENTIAL CORRECTIONS

TOE 1.4380 TRA-1.1097 TC3-4.9333 BAU 1.1744
 ROE .2171 RRA -.0326 RC3 .1901 FAU .03633
 FOE .6851 FRA .2408 FC3-1.7676 BSP 15422
 BOE 1.4543 BRA 1.1102 BC3 4.9370 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 4864.4 SGR 338.9 SG3 154.8
 RRT -.0106 RRF .0315 RTF .8580
 SGB 4876.2 R23 -.0406 R13 -.8580
 SG1 4864.4 SG2 338.9 TMA 179.96

ORBIT DETERMINATION ACCURACY

ST 2014.4 SR 295.2 SS 548.4
 CRT .9786 CRS -.9855 CST -.9394
 LSA 2099.9 MSA 188.9 SSA 20.1
 EL1 2035.0 EL2 60.1 ALF 8.17

LAUNCH DATE DEC 29 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 477.787

RL 147.11 LAL .00 LOL 97.07 VL 26.795 GAL -2.58 AZL 86.12 MCA 239.61 SMA 122.17 ECC .20881 INC 3.8789 V1 30.284
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.766 GAP 10.33 AZP 91.96 TAL 189.85 TAP 69.46 RCA 96.66 APO 147.68 V2 34.808
 RC 172.148 GL 25.71 GP -7.32 ZAL 106.11 ZAP 166.46 ETS 327.87 ZAE 130.48 ETE 186.43 ZAC 84.76 ETC 165.00 CLP-168.58

PLANETOCENTRIC CONIC

C3 17.419 VHL 4.174 DLA 19.30 RAL 339.63 RAD 6567.7 VEL 11.781 PTH 2.08 VMP 6.884 OPA -14.55 RAP 353.34 ECC 1.2867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 29 2830.60 -28.27 84.06 205.53 91.69 1 36 39 2230.6 -27.74 75.43
 90.00 18 10 51 4177.29 -.69 170.71 198.87 61.69 19 20 28 3577.3 -4.47 164.07
 100.00 2 22 48 2529.66 -29.73 61.85 205.46 93.31 3 4 58 1929.7 -28.95 53.13
 100.00 19 20 12 3933.46 .58 153.55 198.16 60.11 20 26 6 3353.5 -3.40 147.03
 110.00 3 56 56 2235.15 -33.44 39.07 205.05 97.57 4 34 12 1635.1 -32.03 30.12
 110.00 20 2 34 3820.74 3.74 141.52 196.19 56.00 21 6 14 3220.7 -.75 135.31

DIFFERENTIAL CORRECTIONS

TOE 1.4965 TRA -.9448 TC3-5.1027 BAU 1.1891
 ROE .2228 RRA -.0414 RC3 .1927 FAU .03459
 FOE .6765 FRA .2879 FC3-1.7192 BSP 15588
 BOE 1.5130 BRA .9457 BC3 5.1063 FSP -488

MID-COURSE EXECUTION ACCURACY

SGT 4924.5 SGR 350.8 SG3 152.1
 RRT .0152 RRF .0455 RTF .8590
 SGB 4937.0 R23 .0324 R13 .8590
 SG1 4924.5 SG2 350.8 TMA .06

ORBIT DETERMINATION ACCURACY

ST 2099.3 SR 306.5 SS 558.0
 CRT .9874 CRS -.9795 CST -.9453
 LSA 2186.1 MSA 180.3 SSA 21.1
 EL1 2121.0 EL2 47.9 ALF 8.21

LAUNCH DATE DEC 29 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 483.441

RL 147.11 LAL .00 LOL 97.07 VL 26.737 GAL -2.12 AZL 86.21 MCA 242.77 SMA 121.82 ECC .21072 INC 3.7926 V1 30.284
 RP 108.85 LAP -3.37 LOP 339.79 VP 36.729 GAP 10.54 AZP 91.74 TAL 187.98 TAP 70.75 RCA 96.15 APO 147.49 V2 34.814
 RC 174.239 GL 25.26 GP -6.96 ZAL 103.15 ZAP 167.29 ETS 327.46 ZAE 130.62 ETE 186.17 ZAC 86.97 ETC 165.51 CLP-169.34

PLANETOCENTRIC CONIC

C3 17.147 VHL 4.141 DLA 20.16 RAL 342.77 RAD 6567.7 VEL 11.770 PTH 2.08 VMP 7.003 OPA -13.26 RAP 355.44 ECC 1.2822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 21 2862.71 -28.31 86.41 208.74 90.52 1 40 4 2262.7 -27.94 77.76
 90.00 18 33 1 4137.89 -1.97 168.52 202.06 61.75 19 41 59 3537.9 -5.73 161.86
 100.00 2 26 41 2558.52 -29.82 63.99 208.70 92.18 3 9 20 1958.5 -29.20 55.24
 100.00 19 41 22 3917.32 -.65 151.57 201.33 60.11 20 46 39 3317.3 -4.62 145.04
 110.00 4 2 44 2258.03 -33.63 40.83 208.35 96.54 4 40 22 1658.0 -32.36 31.82
 110.00 20 21 48 3790.57 2.59 139.94 199.31 55.90 21 24 59 3190.6 -1.90 133.74

DIFFERENTIAL CORRECTIONS

TOE 1.5564 TRA -.7738 TC3-5.2530 BAU 1.2050
 ROE .2290 RRA -.0493 RC3 .1922 FAU .03299
 FOE .6663 FRA .3314 FC3-1.6656 BSP 15822
 BOE 1.5732 BRA .7754 BC3 5.2563 FSP -482

MID-COURSE EXECUTION ACCURACY

SGT 4986.5 SGR 361.9 SG3 149.4
 RRT .0404 RRF .0592 RTF .8614
 SGB 4999.6 R23 .0243 R13 .8614
 SG1 4986.5 SG2 361.6 TMA .17

ORBIT DETERMINATION ACCURACY

ST 2184.5 SR 317.6 SS 565.4
 CRT .9933 CRS -.9728 CST -.9508
 LSA 2272.1 MSA 171.7 SSA 22.1
 EL1 2207.1 EL2 36.4 ALF 8.22

LAUNCH DATE DEC 29 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 489.079

RL 147.11 LAL .00 LOL 97.07 VL 26.679 GAL -1.64 AZL 86.29 MCA 245.94 SMA 121.48 ECC .21287 INC 3.7110 V1 30.284
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.694 GAP 10.76 AZP 91.51 TAL 186.10 TAP 72.04 RCA 95.62 APO 147.34 V2 34.821
 RC 176.312 GL 24.76 GP -6.65 ZAL 100.06 ZAP 168.08 ETS 328.85 ZAE 130.76 ETE 185.94 ZAC 89.21 ETC 165.97 CLP-170.09

PLANETOCENTRIC CONIC

C3 16.982 VHL 4.121 DLA 21.04 RAL 346.05 RAD 6567.7 VEL 11.763 PTH 2.08 VMP 7.130 OPA -11.99 RAP 357.55 ECC 1.2795
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 5 2898.47 -28.31 89.02 212.18 89.21 1 43 23 2298.5 -28.12 80.36
 90.00 18 56 28 4097.70 -3.26 166.27 205.53 61.86 20 4 45 3497.7 -7.00 159.59
 100.00 2 30 35 2590.52 -29.88 66.37 212.18 90.93 3 13 45 1990.5 -29.43 57.59
 100.00 20 3 39 3880.87 -1.88 149.57 204.76 60.16 21 8 20 3280.9 -5.84 143.02
 110.00 4 8 45 2283.39 -33.81 42.78 211.93 95.39 4 46 48 1683.4 -32.69 33.73
 110.00 20 41 58 3760.77 1.45 138.38 202.68 55.84 21 44 38 3160.8 -3.04 132.18

DIFFERENTIAL CORRECTIONS

TDE 1.6201 TRA -.5931 TC3-5.3714 BAU 1.2203
 RDE .2357 RRA -.0562 RC3 .1889 FAU .03142
 FDE .6564 FRA .3738 FC3-1.6019 BSP 16050
 BDE 1.6371 BRA .5958 BC3 5.3748 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 5045.1 SGR 372.4 SG3 146.8
 RRT .0656 RRF .0743 RTF .8644
 SGB 5058.9 R23 .0173 R13 .8644
 SG1 5045.2 SG2 371.6 TMA .28

ORBIT DETERMINATION ACCURACY

ST 2271.9 SR 328.8 SS 572.1
 CRT .9965 CRS -.9654 CST -.9559
 LSA 2360.0 MSA 163.6 SSA 23.0
 EL1 2295.4 EL2 27.1 ALF 8.21

LAUNCH DATE DEC 29 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 494.702

RL 147.11 LAL .00 LOL 97.07 VL 26.622 GAL -1.16 AZL 86.37 MCA 249.11 SMA 121.14 ECC .21520 INC 3.6333 V1 30.284
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.660 GAP 10.99 AZP 91.30 TAL 184.22 TAP 73.33 RCA 95.06 APO 147.22 V2 34.828
 RC 178.366 GL 24.20 GP -6.37 ZAL 96.85 ZAP 168.85 ETS 326.04 ZAE 130.90 ETE 185.73 ZAC 91.48 ETC 166.38 CLP-170.83

PLANETOCENTRIC CONIC

C3 16.932 VHL 4.115 DLA 21.92 RAL 349.47 RAD 6567.7 VEL 11.761 PTH 2.08 VHP 7.263 DPA -10.75 RAP 359.67 ECC 1.2787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 42 2937.66 -28.24 91.89 215.87 87.77 1 46 39 2337.7 -28.25 83.22
 90.00 19 21 6 4057.14 -4.56 164.00 209.26 62.02 20 28 43 3457.1 -8.27 157.28
 100.00 2 34 32 2625.40 -29.89 68.96 215.91 89.57 3 18 17 2025.4 -29.63 60.16
 100.00 20 26 56 3844.63 -3.11 147.58 208.46 60.25 21 31 1 3244.6 -7.05 141.00
 110.00 4 15 3 2310.91 -33.96 44.92 215.76 94.14 4 53 34 1710.9 -33.02 35.81
 110.00 21 2 54 3751.88 .35 136.88 206.30 55.82 22 5 6 3131.9 -4.14 130.67

DIFFERENTIAL CORRECTIONS

TDE 1.6863 TRA -.4024 TC3-5.4506 BAU 1.2345
 RDE .2432 RRA -.0620 RC3 .1829 FAU .02985
 FDE .6460 FRA .4152 FC3-1.5263 BSP 16278
 BDE 1.7038 BRA .4071 BC3 5.4537 FSP -470

MID-COURSE EXECUTION ACCURACY

SGT 5099.0 SGR 382.1 SG3 143.9
 RRT .0905 RRF .0905 RTF .8677
 SGB 5113.3 R23 .0116 R13 .8677
 SG1 5099.1 SG2 380.6 TMA .39

ORBIT DETERMINATION ACCURACY

ST 2358.9 SR 339.9 SS 577.1
 CRT .9975 CRS -.9576 CST -.9605
 LSA 2447.0 MSA 156.4 SSA 23.7
 EL1 2383.1 EL2 23.7 ALF 8.18

LAUNCH DATE DEC 29 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 500.307

RL 147.11 LAL .00 LOL 97.07 VL 26.566 GAL -.65 AZL 86.44 MCA 252.28 SMA 120.81 ECC .21795 INC 3.5588 V1 30.284
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.626 GAP 11.24 AZP 91.08 TAL 182.33 TAP 74.61 RCA 94.48 APO 147.14 V2 34.836
 RC 180.400 GL 23.57 GP -6.11 ZAL 93.55 ZAP 169.59 ETS 324.99 ZAE 131.04 ETE 185.56 ZAC 93.77 ETC 166.75 CLP-171.56

PLANETOCENTRIC CONIC

C3 17.004 VHL 4.124 DLA 22.78 RAL 353.01 RAD 6567.7 VEL 11.764 PTH 2.08 VHP 7.405 DPA -9.51 RAP 1.81 ECC 1.2798
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 15 2980.05 -28.09 94.98 219.78 86.23 1 49 55 2380.1 -28.31 86.32
 90.00 19 46 48 4016.71 -5.84 161.72 213.26 62.24 20 53 45 3416.7 -9.52 154.97
 100.00 2 38 38 2662.82 -29.84 71.74 219.88 88.11 3 23 1 2062.8 -29.78 62.94
 100.00 20 51 6 3809.17 -4.31 145.63 212.42 60.39 21 54 35 3209.2 -8.22 139.02
 110.00 4 21 44 2340.27 -34.08 47.20 219.84 92.79 5 0 44 1740.3 -33.32 38.05
 110.00 21 24 29 3704.49 -.70 135.45 210.17 55.82 22 26 14 3104.5 -5.18 129.23

DIFFERENTIAL CORRECTIONS

TDE 1.7579 TRA -.1969 TC3-5.4809 BAU 1.2466
 RDE .2518 RRA -.0665 RC3 .1743 FAU .02828
 FDE .6378 FRA .4587 FC3-1.4400 BSP 16398
 BDE 1.7758 BRA .2078 BC3 5.4837 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 5146.5 SGR 391.3 SG3 141.3
 RRT .1164 RRF .1094 RTF .8708
 SGB 5161.4 R23 .0076 R13 .8708
 SG1 5146.7 SG2 388.6 TMA .51

ORBIT DETERMINATION ACCURACY

ST 2447.9 SR 351.1 SS 582.8
 CRT .9965 CRS -.9493 CST -.9647
 LSA 2536.1 MSA 151.0 SSA 24.2
 EL1 2472.8 EL2 29.1 ALF 8.14

LAUNCH DATE DEC 29 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 505.892

RL 147.11 LAL .00 LOL 97.07 VL 26.511 GAL -.13 AZL 86.51 MCA 255.45 SMA 120.49 ECC .22092 INC 3.4869 V1 30.284
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.595 GAP 11.49 AZP 90.88 TAL 180.45 TAP 75.89 RCA 93.87 APO 147.11 V2 34.845
 RC 182.414 GL 22.87 GP -5.89 ZAL 90.18 ZAP 170.31 ETS 323.68 ZAE 131.18 ETE 185.40 ZAC 96.08 ETC 167.08 CLP-172.29

PLANETOCENTRIC CONIC

C3 17.209 VHL 4.148 DLA 23.61 RAL 356.66 RAD 6567.7 VEL 11.773 PTH 2.08 VHP 7.556 DPA -8.30 RAP 5.95 ECC 1.2832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 48 3025.29 -27.84 98.27 223.89 84.60 1 53 14 2425.3 -28.30 89.63
 90.00 20 13 24 3977.00 -7.10 159.48 217.52 62.52 21 19 41 3377.0 -10.73 152.68
 100.00 2 42 58 2702.35 -29.71 74.67 224.06 86.57 3 28 0 2102.3 -29.87 65.87
 100.00 21 15 55 3775.17 -5.45 143.75 216.62 60.56 22 18 50 3175.2 -9.33 137.11
 110.00 4 28 52 2371.04 -34.16 49.60 224.15 91.37 5 8 23 1771.0 -33.59 40.41
 110.00 21 46 31 3679.24 -1.67 134.13 214.27 55.85 22 47 50 3079.2 -6.14 127.90

DIFFERENTIAL CORRECTIONS

TDE 1.8237 TRA .0106 TC3-5.4729 BAU 1.2597
 RDE .2610 RRA -.0702 RC3 .1632 FAU .02685
 FDE .6235 FRA .4922 FC3-1.3506 BSP 16695
 BDE 1.8423 BRA .0710 BC3 5.4733 FSP -464

MID-COURSE EXECUTION ACCURACY

SGT 5192.6 SGR 399.3 SG3 137.9
 RRT .1406 RRF .1259 RTF .8771
 SGB 5208.0 R23 .0019 R13 .8771
 SG1 5192.9 SG2 395.4 TMA .62

ORBIT DETERMINATION ACCURACY

ST 2522.5 SR 361.9 SS 581.1
 CRT .9939 CRS -.9414 CST -.9686
 LSA 2609.6 MSA 145.4 SSA 24.4
 EL1 2548.1 EL2 39.7 ALF 8.12

LAUNCH DATE DEC 29 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 511.453

RL 147.11 LAL .00 LOL 97.07 VL 26.457 GAL .42 AZL 86.58 MCA 258.62 SMA 120.18 ECC .22420 INC 3.4170 V1 30.284
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.564 GAP 11.76 AZP 90.67 TAL 178.56 TAP 77.18 RCA 93.24 APO 147.12 V2 34.854
 RC 184.407 GL 22.11 GP -5.68 ZAL 86.74 ZAP 171.00 ETS 322.07 ZAE 131.33 ETE 185.27 ZAC 98.40 ETC 167.37 CLP-173.01

PLANETOCENTRIC CONIC

C3 17.559 VHL 4.190 DLA 24.39 RAL .41 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 7.716 DPA -7.10 RAP 6.11 ECC 1.2890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 25 3073.02 -27.48 101.71 228.20 82.90 1 56 38 2473.0 -28.18 93.12
 90.00 20 40 42 3938.57 -8.30 157.29 222.02 62.83 21 46 20 3338.6 -11.88 150.44
 100.00 2 47 37 2743.49 -29.51 77.71 228.44 84.98 3 33 21 2143.5 -29.89 68.93
 100.00 21 41 10 3743.34 -6.51 141.98 221.05 60.76 22 43 34 3143.3 -10.36 135.31
 110.00 4 36 31 2402.80 -34.18 52.08 228.69 89.91 5 16 34 1802.8 -33.82 42.86
 110.00 22 8 46 3656.80 -2.52 132.96 218.58 55.90 23 9 43 3056.8 -6.98 126.71

DIFFERENTIAL CORRECTIONS

TDE 1.8968 TRA .2431 TC3-5.4080 BAU 1.2700
 RDE .2720 RRA -.0714 RC3 .1508 FAU .02519
 FDE .6196 FRA .5445 FC3-1.2418 BSP 16752
 BDE 1.9162 BRA .2533 BC3 5.4101 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 5234.6 SGR 407.2 SG3 135.8
 RRT .1655 RRF .1501 RTF .8768
 SGB 5250.4 R23 .0042 R13 .8768
 SG1 5235.0 SG2 401.6 TMA .74

ORBIT DETERMINATION ACCURACY

ST 2599.4 SR 373.4 SS 588.4
 CRT .9898 CRS -.9321 CST -.9714
 LSA 2687.1 MSA 145.7 SSA 24.3
 EL1 2625.5 EL2 52.6 ALF 8.10

LAUNCH DATE DEC 29 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.404 GAL .98 AZL 86.63 HCA 261.79 SMA 119.87 ECC .22783 INC 3.3485 V1 30.284
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.535 GAP 12.05 ATP 90.48 TAL 176.67 TAP 78.46 RCA 92.56 APO 147.18 V2 34.863
 RC 186.379 GL 21.27 GP -5.49 ZAL 83.27 ZAP 171.66 ETS 320.08 ZAE 131.47 ETE 185.15 ZAC 100.74 ETC 167.63 CLP-173.72

DISTANCE 516.990

PLANETOCENTRIC CONIC
 C3 18.067 VML 4.251 DLA 25.11 RAL 4.23 RAD 6567.7 VEL 11.809 PTH 2.09 VMP 7.887 DPA -5.91 RAP 8.27 ECC 1.2973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 10 3122.71 -27.02 105.27 232.66 81.18 2 0 13 2522.7 -27.96 96.74
 90.00 21 8 25 3902.17 -9.42 155.21 226.73 63.17 22 13 27 3302.2 -12.95 148.31
 100.00 2 52 44 2785.61 -29.22 80.81 232.99 83.38 3 39 10 2185.6 -29.83 72.06
 100.00 22 6 32 3714.51 -7.46 140.37 225.68 60.97 23 8 27 3114.5 -11.28 133.66
 110.00 4 44 47 2435.03 -34.15 54.60 233.41 88.42 5 25 22 1835.0 -33.99 45.36
 110.00 22 30 58 3637.85 -3.25 131.97 223.08 55.95 23 31 36 3037.9 -7.69 125.70

DIFFERENTIAL CORRECTIONS
 TDE 1.9618 TRA .4788 TC3-5.2993 BAU 1.2804 SGT 5272.2 SGR 413.7 SG3 132.7 ST 2656.5 SR 383.8 SS 585.3
 RDE .2837 RRA -.0719 RC3 .1363 FAU .02377 RRT .1895 RRF .1695 RTF .8819 CRT .9847 CR5 -.9232 CST -.9741
 FDE .6068 FRA .5834 FC3-1.1388 BSP 16937 SGB 5288.4 R23 .0014 R13 .8819 LSA 2743.3 MSA 145.0 SSA 23.9
 BOE 1.9822 BRA .4841 BC3 5.3011 FSP -437 SGI 5272.8 SG2 406.2 TMA .86 EL1 2683.3 EL2 66.1 ALF 8.10

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.351 GAL 1.57 AZL 86.72 HCA 264.97 SMA 119.57 ECC .23182 INC 3.2812 V1 30.284
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.508 GAP 12.36 ATP 90.29 TAL 174.78 TAP 79.75 RCA 91.85 APO 147.29 V2 34.873
 RC 188.330 GL 20.38 GP -5.32 ZAL 79.79 ZAP 172.30 ETS 317.67 ZAE 131.61 ETE 185.05 ZAC 103.09 ETC 167.84 CLP-174.43

DISTANCE 522.498

PLANETOCENTRIC CONIC
 C3 18.752 VML 4.330 DLA 25.75 RAL 8.10 RAD 6567.8 VEL 11.838 PTH 2.10 VMP 8.070 DPA -4.73 RAP 10.45 ECC 1.3086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 11 11 3173.74 -26.43 108.90 237.25 79.45 2 4 5 2573.7 -27.62 100.43
 90.00 21 36 14 3868.57 -10.45 153.28 231.63 63.53 22 40 43 3268.6 -13.92 146.32
 100.00 2 58 26 2828.00 -28.84 83.91 237.69 81.79 3 45 34 2228.0 -29.68 75.20
 100.00 22 31 41 3689.54 -8.29 138.98 230.48 61.18 23 33 10 3089.5 -12.07 132.23
 110.00 4 53 44 2467.24 -34.06 57.11 238.30 86.93 5 34 51 1867.2 -34.11 47.87
 110.00 22 52 52 3623.08 -3.81 131.19 227.73 56.00 23 53 15 3023.1 -8.25 124.92

DIFFERENTIAL CORRECTIONS
 TDE 2.0272 TRA .7321 TC3-5.1358 BAU 1.2879 SGT 5304.3 SGR 419.5 SG3 130.0 ST 2704.9 SR 394.0 SS 582.8
 RDE .2968 RRA -.0708 RC3 .1209 FAU .02229 RRT .2140 RRF .1914 RTF .8857 CRT .9787 CR5 -.9139 CST -.9764
 FDE .5959 FRA .6270 FC3-1.0290 BSP 17011 SGB 5320.8 R23 .0008 R13 .8857 LSA 2790.9 MSA 147.1 SSA 23.2
 BOE 2.0488 BRA .7355 BC3 5.1372 FSP -426 SGI 5305.0 SG2 409.7 TMA .98 EL1 2732.2 EL2 80.1 ALF 8.12

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.300 GAL 2.18 AZL 86.79 HCA 268.15 SMA 119.28 ECC .23622 INC 3.2144 V1 30.284
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.479 GAP 12.68 ATP 90.10 TAL 172.90 TAP 81.05 RCA 91.11 APO 147.46 V2 34.884
 RC 190.259 GL 19.43 GP -5.17 ZAL 76.33 ZAP 172.91 ETS 314.74 ZAE 131.75 ETE 184.96 ZAC 105.44 ETC 168.02 CLP-175.14

DISTANCE 527.972

PLANETOCENTRIC CONIC
 C3 19.632 VML 4.431 DLA 26.31 RAL 11.98 RAD 6567.8 VEL 11.875 PTH 2.11 VMP 8.266 DPA -5.57 RAP 12.63 ECC 1.3231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 38 3225.25 -25.74 112.51 241.94 77.77 2 8 23 2625.3 -27.17 104.13
 90.00 22 3 46 3838.72 -11.35 151.55 236.68 63.88 23 7 45 3238.7 -14.77 144.54
 100.00 3 4 53 2869.81 -28.40 86.93 242.52 80.25 3 52 43 2269.8 -29.45 78.29
 100.00 22 56 12 3669.40 -8.94 137.84 235.41 61.36 23 57 21 3069.4 -12.70 131.07
 110.00 5 3 25 2498.92 -33.92 59.58 243.32 85.48 5 45 4 1898.9 -34.17 50.34
 110.00 23 14 9 3613.06 -4.19 130.67 232.50 56.04 24 14 22 3013.1 -8.62 124.38

DIFFERENTIAL CORRECTIONS
 TDE 2.0843 TRA .9946 TC3-4.9354 BAU 1.2956 SGT 5334.0 SGR 424.3 SG3 127.2 ST 2732.6 SR 403.3 SS 577.0
 RDE .3111 RRA -.0679 RC3 .1048 FAU .02092 RRT .2375 RRF .2129 RTF .8905 CRT .9719 CR5 -.9044 CST -.9783
 FDE .5830 FRA .6683 FC3 -.9226 BSP 17158 SGB 5350.8 R23 .0001 R13 .8905 LSA 2817.7 MSA 150.5 SSA 22.3
 BOE 2.1074 BRA .9969 BC3 4.9365 FSP -419 SGI 5334.9 SG2 412.1 TMA 1.09 EL1 2760.6 EL2 94.0 ALF 8.17

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 26.249 GAL 2.82 AZL 86.85 HCA 271.33 SMA 119.00 ECC .24106 INC 3.1478 V1 30.284
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.453 GAP 13.03 ATP 89.93 TAL 171.03 TAP 82.36 RCA 90.31 APO 147.68 V2 34.895
 RC 192.167 GL 18.43 GP -5.03 ZAL 72.90 ZAP 173.48 ETS 311.17 ZAE 131.88 ETE 184.88 ZAC 107.81 ETC 168.16 CLP-175.84

DISTANCE 533.409

PLANETOCENTRIC CONIC
 C3 20.732 VML 4.553 DLA 26.77 RAL 15.85 RAD 6567.8 VEL 11.921 PTH 2.12 VMP 8.476 DPA -2.42 RAP 14.82 ECC 1.3412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 44 3276.18 -24.96 116.03 246.70 76.17 2 13 20 2676.2 -26.61 107.76
 90.00 22 30 32 3813.79 -12.09 150.09 241.83 64.20 23 34 6 3213.8 -15.47 143.04
 100.00 3 12 17 2910.14 -27.90 89.83 247.43 78.81 4 0 47 2310.1 -29.16 81.25
 100.00 23 19 40 3655.07 -9.41 137.04 240.43 61.50 24 20 35 3055.1 -13.15 130.24
 110.00 5 13 53 2529.63 -33.73 61.95 248.45 84.09 5 56 3 1929.6 -34.18 52.74
 110.00 23 34 33 3608.35 -4.37 130.42 237.35 56.06 24 34 42 3008.3 -8.80 124.13

DIFFERENTIAL CORRECTIONS
 TDE 2.1358 TRA 1.2711 TC3-4.6968 BAU 1.3021 SGT 5359.7 SGR 428.1 SG3 124.4 ST 2743.8 SR 411.7 SS 569.4
 RDE .3264 RRA -.0635 RC3 .0888 FAU .01959 RRT .2606 RRF .2347 RTF .8953 CRT .9644 CR5 -.8945 CST -.9800
 FDE .5696 FRA .7106 FC3 -.8180 BSP 17306 SGB 5376.8 R23 -.0000 R13 .8953 LSA 2827.9 MSA 155.4 SSA 21.3
 BOE 2.1606 BRA 1.2727 BC3 4.6977 FSP -413 SGI 5360.9 SG2 413.2 TMA 1.20 EL1 2772.4 EL2 107.8 ALF 8.25

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 29 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 538.803

RL 147.11 LAL .00 LOL 97.07 VL 26.199 GAL 3.50 AZL 86.92 MCA 274.51 SMA 118.72 ECC .24638 INC 3.0811 V1 30.284
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.428 GAP 13.41 AZP 89.76 TAL 169.17 TAP 83.68 RCA 89.47 APO 147.97 V2 34.906
 RC 194.054 GL 17.40 GP -4.90 ZAL 69.53 ZAP 174.01 ETS 306.84 ZAE 132.01 ETE 184.81 ZAC 110.18 ETC 168.27 CLP-176.55

PLANETOCENTRIC CONIC

C3 22.081 VHL 4.699 DLA 27.13 RAL 19.67 RAD 6567.9 VEL 11.977 PTH 2.13 VHP 8.702 DPA -1.29 RAP 17.01 ECC 1.3634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 51 3325.09 -24.12 119.37 251.53 74.70 2 19 16 2725.1 -25.99 111.20
 90.00 22 55 57 3795.24 -12.64 149.00 247.03 64.45 23 59 12 3195.2 -15.98 141.92
 100.00 3 20 48 2948.07 -27.37 92.52 252.42 77.48 4 9 56 2348.1 -28.82 84.02
 100.00 23 41 41 3647.49 -9.66 136.61 245.48 61.57 24 42 28 3047.5 -13.38 129.80
 110.00 5 25 8 2559.01 -33.50 64.22 253.66 82.77 6 7 47 1959.0 -34.14 55.03
 110.00 23 53 50 3609.32 -4.33 130.47 242.24 56.06 24 53 59 3009.3 -8.76 124.18

DIFFERENTIAL CORRECTIONS

TDE 2.1849 TRA 1.5671 TC3-4.4176 BAU 1.3043
 RDE .3430 RRA -.0572 RC3 .0735 FAU .01821
 FDE .5572 FRA .7559 FC3 -.7138 BSP 17329
 BDE 2.2117 BRA 1.5682 BC3 4.4182 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 5379.9 SGR 431.1 SG3 121.7
 RRT .2843 RRF .2581 RTF .8998
 SGB 5397.2 R23 .0008 R13 .8998
 SG1 5381.3 SG2 413.2 TMA 1.31

ORBIT DETERMINATION ACCURACY

ST 2743.7 SR 418.9 SS 561.9
 CRT .9561 CRS -.8842 CST -.9815
 LSA 2827.1 MSA 161.8 SSA 20.2
 EL1 2772.8 EL2 121.5 ALF 8.32

LAUNCH DATE DEC 29 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 544.146

RL 147.11 LAL .00 LOL 97.07 VL 26.150 GAL 4.20 AZL 86.99 MCA 277.69 SMA 118.45 ECC .25223 INC 3.0137 V1 30.284
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.404 GAP 13.81 AZP 89.60 TAL 167.32 TAP 85.01 RCA 88.57 APO 148.32 V2 34.918
 RC 195.918 GL 16.35 GP -4.78 ZAL 66.25 ZAP 174.49 ETS 301.60 ZAE 132.14 ETE 184.75 ZAC 112.55 ETC 168.34 CLP-177.26

PLANETOCENTRIC CONIC

C3 23.711 VHL 4.869 DLA 27.39 RAL 23.43 RAD 6568.0 VEL 12.045 PTH 2.15 VHP 8.946 DPA -.18 RAP 19.21 ECC 1.3902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 30 29 3370.02 -23.28 122.40 256.40 73.41 2 26 39 2770.0 -25.33 114.33
 90.00 23 19 16 3784.98 -12.94 148.40 252.23 64.59 24 22 21 3185.0 -16.26 141.29
 100.00 3 30 37 2982.73 -26.83 94.96 257.46 76.31 4 20 20 2382.7 -28.45 86.53
 100.00 0 5 45 3647.51 -9.66 136.61 250.53 61.57 1 6 32 3047.5 -13.38 129.80
 110.00 5 37 8 2586.80 -33.24 66.35 258.91 81.53 6 20 15 1986.8 -34.05 57.20
 110.00 0 15 43 3616.20 -4.07 130.84 247.13 56.03 1 15 59 3016.2 -8.50 124.55

DIFFERENTIAL CORRECTIONS

TDE 2.2226 TRA 1.8739 TC3-4.1229 BAU 1.3071
 RDE .3604 RRA -.0493 RC3 .0589 FAU .01696
 FDE .5426 FRA .8001 FC3 -.6191 BSP 17454
 BDE 2.2517 BRA 1.8746 BC3 4.1233 FSP -395

MID-COURSE EXECUTION ACCURACY

SGT 5397.1 SGR 432.9 SG3 118.9
 RRT .3068 RRF .2802 RTF .9049
 SGB 5414.4 R23 .0010 R13 .9049
 SG1 5398.7 SG2 411.9 TMA 1.42

ORBIT DETERMINATION ACCURACY

ST 2721.9 SR 424.5 SS 551.6
 CRT .9470 CRS -.8732 CST -.9828
 LSA 2804.4 MSA 169.0 SSA 19.1
 EL1 2751.5 EL2 135.0 ALF 8.42

LAUNCH DATE DEC 29 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 549.431

RL 147.11 LAL .00 LOL 97.07 VL 26.102 GAL 4.94 AZL 87.05 MCA 280.88 SMA 118.18 ECC .25867 INC 2.9452 V1 30.284
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.381 GAP 14.25 AZP 89.44 TAL 165.49 TAP 86.36 RCA 87.61 APO 148.75 V2 34.930
 RC 197.761 GL 15.29 GP -4.68 ZAL 63.07 ZAP 174.91 ETS 295.32 ZAE 132.26 ETE 184.70 ZAC 114.92 ETC 168.37 CLP-177.98

PLANETOCENTRIC CONIC

C3 25.665 VHL 5.066 DLA 27.55 RAL 27.09 RAD 6568.0 VEL 12.126 PTH 2.17 VHP 9.211 DPA .92 RAP 21.42 ECC 1.4224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 13 3408.73 -22.50 124.97 261.33 72.34 2 36 2 2808.7 -24.71 116.99
 90.00 23 39 42 3785.20 -12.93 148.41 257.37 64.59 24 42 47 3185.2 -16.25 141.31
 100.00 3 41 50 3013.46 -26.32 97.10 262.54 75.29 4 32 3 2413.5 -28.08 88.74
 100.00 0 23 42 3655.70 -9.39 137.07 255.53 61.49 1 24 38 3055.7 -13.13 130.28
 110.00 5 49 50 2612.89 -32.96 68.33 264.19 80.39 6 33 23 2012.9 -33.94 59.23
 110.00 0 32 12 3629.03 -3.58 131.51 251.98 55.98 1 32 41 3029.0 -8.02 125.24

DIFFERENTIAL CORRECTIONS

TDE 2.2535 TRA 2.1982 TC3-3.8107 BAU 1.3076
 RDE .3786 RRA -.0396 RC3 .0455 FAU .01574
 FDE .5278 FRA .8460 FC3 -.5308 BSP 17558
 BDE 2.2851 BRA 2.1985 BC3 3.8110 FSP -389

MID-COURSE EXECUTION ACCURACY

SGT 5409.8 SGR 433.6 SG3 116.2
 RRT .3290 RRF .3023 RTF .9101
 SGB 5427.2 R23 .0012 R13 .9101
 SG1 5411.7 SG2 409.3 TMA 1.52

ORBIT DETERMINATION ACCURACY

ST 2686.4 SR 428.5 SS 540.6
 CRT .9369 CRS -.8613 CST -.9840
 LSA 2767.8 MSA 177.0 SSA 18.1
 EL1 2716.3 EL2 148.1 ALF 8.52

LAUNCH DATE DEC 29 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 554.648

RL 147.11 LAL .00 LOL 97.07 VL 26.054 GAL 5.73 AZL 87.12 MCA 284.06 SMA 117.92 ECC .26576 INC 2.8752 V1 30.284
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.359 GAP 14.72 AZP 89.30 TAL 163.67 TAP 87.74 RCA 86.58 APO 149.26 V2 34.942
 RC 199.580 GL 14.23 GP -4.58 ZAL 59.99 ZAP 175.24 ETS 287.89 ZAE 132.36 ETE 184.65 ZAC 117.29 ETC 168.36 CLP-178.70

PLANETOCENTRIC CONIC

C3 27.989 VHL 5.290 DLA 27.62 RAL 30.62 RAD 6568.1 VEL 12.221 PTH 2.20 VHP 9.497 DPA 2.00 RAP 23.63 ECC 1.4606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 36 3439.20 -21.86 126.97 266.31 71.54 2 47 55 2839.2 -24.18 119.07
 90.00 0 0 28 3797.77 -12.57 149.15 262.38 64.41 1 3 46 3197.8 -15.91 142.07
 100.00 3 54 27 3039.97 -25.85 98.93 267.64 74.44 4 45 7 2440.0 -27.73 90.63
 100.00 0 39 19 3672.23 -8.85 138.00 260.44 61.33 1 40 31 3072.2 -12.61 131.23
 110.00 6 3 7 2637.30 -32.67 70.17 269.46 79.33 6 47 4 2037.3 -33.80 61.12
 110.00 0 47 8 3647.67 -2.87 132.48 256.78 55.92 1 47 55 3047.7 -7.32 126.23

DIFFERENTIAL CORRECTIONS

TDE 2.2780 TRA 2.5404 TC3-3.4878 BAU 1.3051
 RDE .3975 RRA -.0280 RC3 .0337 FAU .01454
 FDE .5134 FRA .8936 FC3 -.4497 BSP 17650
 BDE 2.3124 BRA 2.5406 BC3 3.4879 FSP -382

MID-COURSE EXECUTION ACCURACY

SGT 5417.3 SGR 433.3 SG3 113.6
 RRT .3511 RRF .3247 RTF .9153
 SGB 5434.7 R23 .0017 R13 .9153
 SG1 5419.5 SG2 405.6 TMA 1.62

ORBIT DETERMINATION ACCURACY

ST 2639.4 SR 430.6 SS 529.7
 CRT .9259 CRS -.8489 CST -.9852
 LSA 2719.9 MSA 185.4 SSA 17.0
 EL1 2669.5 EL2 160.8 ALF 8.62

LAUNCH DATE DEC 29 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 559.785

RL 147.11 LAL .00 LOL 97.07 VL 26.008 GAL 6.56 AZL 87.20 MCA 287.25 SMA 117.67 ECC .27358 INC 2.8032 V1 30.284
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.337 GAP 15.24 AZP 89.17 TAL 161.88 TAP 89.14 RCA 85.48 APO 149.86 V2 34.955
 RC 201.376 GL 13.17 GP -4.49 ZAL 57.05 ZAP 175.47 ETS 279.37 ZAE 132.46 ETE 184.61 ZAC 119.65 ETC 168.30 CLP -179.43

PLANETOCENTRIC CONIC

C3 30.744 VHL 5.545 DLA 27.61 RAL 34.02 RAD 6568.2 VEL 12.334 PTH 2.22 VHP 9.809 DPA 3.05 RAP 25.85 ECC 1.5060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 45 3460.72 -21.39 128.37 271.35 70.99 3 2 26 2860.7 -23.79 120.92
 90.00 0 13 25 3823.24 -11.81 150.64 267.23 64.08 1 17 8 3223.2 -15.21 143.61
 100.00 4 8 19 3062.38 -25.43 100.46 272.75 73.74 4 59 22 2462.4 -27.42 92.22
 100.00 0 52 32 3696.82 -8.05 139.38 265.24 61.11 1 54 9 3096.8 -11.84 132.65
 110.00 6 16 51 2660.17 -32.37 71.89 274.72 78.36 7 1 11 2060.2 -33.63 62.89
 110.00 1 0 30 3671.79 -1.95 133.74 261.50 55.87 2 1 42 3071.8 -6.42 127.50

DIFFERENTIAL CORRECTIONS

TDE 2.3004 TRA 2.9073 TC3-3.1568 BAU 1.2975
 RDE .4171 RRA -.0144 RC3 .0237 FAU .01332
 FDE .5006 FRA .9449 FC3 -.3751 BSP 17625
 BOE 2.3379 BRA 2.9073 BC3 3.1569 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 5422.0 SGR 432.1 SG3 111.1
 RRT .3736 RRF .3481 RTF .9207
 SGB 5439.2 R23 .0024 R13 .9207
 SGI 5424.5 SG2 400.6 TMA 1.71

ORBIT DETERMINATION ACCURACY

ST 2587.7 SR 431.0 SS 520.4
 CRT .9139 CRS -.8361 CST -.9863
 LSA 2661.4 MSA 193.9 SSA 16.1
 EL1 2617.6 EL2 173.0 ALF 8.69

LAUNCH DATE DEC 29 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 564.828

RL 147.11 LAL .00 LOL 97.07 VL 25.962 GAL 7.44 AZL 87.27 MCA 290.45 SMA 117.42 ECC .28220 INC 2.7285 V1 30.284
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.317 GAP 15.80 AZP 89.05 TAL 160.13 TAP 90.57 RCA 84.28 APO 150.56 V2 34.968
 RC 203.147 GL 12.13 GP -4.41 ZAL 54.24 ZAP 175.59 ETS 270.00 ZAE 132.54 ETE 184.57 ZAC 122.00 ETC 168.21 CLP 179.83

PLANETOCENTRIC CONIC

C3 34.002 VHL 5.831 DLA 27.51 RAL 37.26 RAD 6568.3 VEL 12.465 PTH 2.25 VHP 10.150 DPA 4.09 RAP 28.07 ECC 1.5596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 14 3474.43 -21.08 129.26 276.43 70.65 3 19 9 2874.4 -23.53 121.45
 90.00 0 22 49 3860.25 -10.70 152.79 271.89 63.63 1 27 9 3260.2 -14.16 145.82
 100.00 4 23 14 3081.16 -25.07 101.74 277.84 73.16 5 14 35 2481.2 -27.13 93.55
 100.00 1 3 30 3728.75 -6.99 141.17 269.91 60.86 2 5 39 3128.7 -10.82 134.48
 110.00 6 30 52 2681.71 -32.06 73.50 279.93 77.46 7 15 34 2081.7 -33.46 64.54
 110.00 1 12 21 3700.97 -.84 135.27 266.11 55.83 2 14 2 3101.0 -5.31 129.04

DIFFERENTIAL CORRECTIONS

TDE 2.3125 TRA 3.2927 TC3-2.8358 BAU 1.2891
 RDE .4368 RRA .0009 RC3 .0153 FAU .01221
 FDE .4867 FRA .9970 FC3 -.3108 BSP 17703
 BOE 2.3534 BRA 3.2927 BC3 2.8359 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 5422.9 SGR 429.6 SG3 108.6
 RRT .3950 RRF .3702 RTF .9263
 SGB 5439.9 R23 .0026 R13 .9264
 SGI 5425.6 SG2 394.5 TMA 1.80

ORBIT DETERMINATION ACCURACY

ST 2524.0 SR 429.2 SS 510.3
 CRT .9005 CRS -.8222 CST -.9875
 LSA 2602.7 MSA 202.3 SSA 15.2
 EL1 2553.6 EL2 184.5 ALF 8.75

LAUNCH DATE DEC 29 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 569.759

RL 147.11 LAL .00 LOL 97.07 VL 25.917 GAL 8.38 AZL 87.35 MCA 293.64 SMA 117.18 ECC .29174 INC 2.6506 V1 30.284
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.298 GAP 16.42 AZP 88.94 TAL 158.40 TAP 92.05 RCA 82.99 APO 151.36 V2 34.981
 RC 204.893 GL 11.11 GP -4.33 ZAL 51.57 ZAP 175.57 ETS 260.18 ZAE 132.61 ETE 184.53 ZAC 124.34 ETC 168.06 CLP 179.07

PLANETOCENTRIC CONIC

C3 37.850 VHL 6.152 DLA 27.35 RAL 40.34 RAD 6568.5 VEL 12.618 PTH 2.29 VHP 10.523 DPA 5.10 RAP 30.29 ECC 1.6229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 14 3482.67 -20.89 129.79 281.50 70.44 3 37 16 2882.7 -23.37 122.00
 90.00 0 29 22 3906.17 -9.30 155.44 276.37 63.13 1 34 28 3306.2 -12.83 148.54
 100.00 4 38 51 3097.05 -24.75 102.81 282.90 72.68 5 30 28 2497.1 -26.89 94.66
 100.00 1 12 26 3767.02 -5.72 143.30 274.44 60.61 2 15 13 3167.0 -9.59 136.65
 110.00 6 45 2 2702.17 -31.75 75.01 285.08 76.61 7 30 4 2102.2 -33.26 66.11
 110.00 1 22 44 3734.67 .45 137.02 270.61 55.82 2 24 59 3134.7 -4.03 130.81

DIFFERENTIAL CORRECTIONS

TDE 2.3208 TRA 3.6983 TC3-2.5227 BAU 1.2785
 RDE .4569 RRA .0181 RC3 .0085 FAU .01111
 FDE .4737 FRA 1.0526 FC3 -.2540 BSP 17767
 BOE 2.3654 BRA 3.6984 BC3 2.5227 FSP -358

MID-COURSE EXECUTION ACCURACY

SGT 5416.9 SGR 426.0 SG3 106.2
 RRT .4164 RRF .3924 RTF .9318
 SGB 5433.7 R23 .0026 R13 .9318
 SGI 5419.9 SG2 387.1 TMA 1.89

ORBIT DETERMINATION ACCURACY

ST 2456.4 SR 425.5 SS 501.6
 CRT .8862 CRS -.8077 CST -.9886
 LSA 2534.2 MSA 210.2 SSA 14.4
 EL1 2485.3 EL2 194.9 ALF 8.78

LAUNCH DATE DEC 29 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 574.557

RL 147.11 LAL .00 LOL 97.07 VL 25.873 GAL 9.39 AZL 87.43 MCA 296.84 SMA 116.94 ECC .30230 INC 2.5688 V1 30.284
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.279 GAP 17.09 AZP 88.84 TAL 156.73 TAP 93.57 RCA 81.59 APO 152.30 V2 34.994
 RC 206.614 GL 10.12 GP -4.26 ZAL 49.05 ZAP 175.41 ETS 250.54 ZAE 132.65 ETE 184.49 ZAC 126.65 ETC 167.87 CLP 178.29

PLANETOCENTRIC CONIC

C3 42.398 VHL 6.511 DLA 27.12 RAL 43.24 RAD 6568.6 VEL 12.797 PTH 2.33 VHP 10.934 DPA 6.08 RAP 32.50 ECC 1.6978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 56 3487.78 -20.78 130.12 286.54 70.52 3 56 3 2887.8 -23.27 122.34
 90.00 0 33 50 3958.36 -7.68 158.42 280.68 62.66 1 39 48 3358.4 -11.29 151.60
 100.00 4 54 51 3110.84 -24.47 103.74 287.90 72.27 5 46 42 2510.8 -26.66 95.63
 100.00 1 19 35 3810.54 -4.26 145.70 278.82 60.38 2 23 6 3210.5 -8.17 139.10
 110.00 6 59 10 2721.83 -31.43 76.45 290.15 75.81 7 44 32 2121.8 -33.06 67.61
 110.00 1 31 46 3772.31 -1.89 138.99 274.99 55.86 2 34 38 3172.3 -2.60 132.78

DIFFERENTIAL CORRECTIONS

TDE 2.3263 TRA 4.1320 TC3-2.2213 BAU 1.2591
 RDE .4770 RRA .0373 RC3 .0034 FAU .01002
 FDE .4618 FRA 1.1118 FC3 -.2046 BSP 17802
 BOE 2.3747 BRA 4.1322 BC3 2.2213 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 5408.1 SGR 421.4 SG3 103.8
 RRT .4376 RRF .4145 RTF .9375
 SGB 5424.5 R23 .0025 R13 .9375
 SGI 5411.2 SG2 378.7 TMA 1.96

ORBIT DETERMINATION ACCURACY

ST 2387.4 SR 419.9 SS 494.4
 CRT .8706 CRS -.7927 CST -.9897
 LSA 2464.4 MSA 217.3 SSA 13.6
 EL1 2415.5 EL2 204.2 ALF 8.77

LAUNCH DATE DEC 29 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 15 1966

DISTANCE 579.194

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 25.831 GAL 10.47 AZL 87.52 MCA 300.04 SMA 116.72 ECC .31403 INC 2.4822 V1 30.284
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.261 GAP 17.84 AZP 88.76 TAL 153.10 TAP 95.14 RCA 80.06 APO 153.37 V2 35.007
 RC 208.309 GL 9.16 GP -4.20 ZAL 46.69 ZAP 175.11 ETS 241.60 ZAE 132.66 ETE 184.45 ZAC 128.95 ETC 167.62 CLP 177.48

PLANETOCENTRIC CONIC
 C3 47.781 VHL 6.912 DLA 26.85 RAL 45.97 RAD 6568.8 VEL 13.006 PTH 2.37 VHP 11.387 DPA 7.03 RAP 34.71 ECC 1.7864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 43 3491.51 -20.69 130.36 291.51 70.23 4 14 54 2891.5 -23.20 122.59
 90.00 0 36 46 4014.72 -5.91 161.61 284.85 62.26 1 43 41 3414.7 -9.58 154.85
 100.00 5 10 57 3123.26 -24.21 104.57 292.81 71.90 6 3 0 2523.3 -26.45 96.49
 100.00 1 25 13 3858.20 -2.65 148.33 283.05 60.21 2 29 32 3258.2 -6.60 141.76
 110.00 7 13 8 2740.91 -31.10 77.84 295.12 75.05 7 58 49 2140.9 -32.84 69.05
 110.00 1 39 31 3813.31 3.46 141.13 279.25 55.97 2 43 5 3213.3 -1.03 134.92

MID-COURSE EXECUTION ACCURACY
 SGT 5396.8 SGR 415.8 SG3 101.7
 RRT .4591 RRF .4373 RTF .9432
 SGB 5412.8 R23 .0026 R13 .9432
 SGI 5400.2 SG2 369.2 TMA 2.03

ORBIT DETERMINATION ACCURACY
 ST 2321.4 SR 412.5 SS 490.0
 CRT .8542 CRS -.7780 CST -.9909
 LSA 2397.8 MSA 223.2 SSA 12.9
 EL1 2348.3 EL2 212.0 ALF 8.70

DIFFERENTIAL CORRECTIONS
 TOE 2.3331 TRA 4.5991 TC3-1.9315 BAU 1.2338
 ROE .4973 RRA .0585 RC3 -.0002 FAU .00889
 FDE .4522 FRA 1.1764 FC3 -.1612 BSP 17738
 BOE 2.3655 BRA 4.5994 BC3 1.9315 FSP -342

LAUNCH DATE DEC 29 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 17 1966

DISTANCE 583.636

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 25.789 GAL 11.65 AZL 87.61 MCA 303.24 SMA 116.50 ECC .32709 INC 2.3897 V1 30.284
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.245 GAP 18.67 AZP 88.69 TAL 153.54 TAP 96.78 RCA 78.39 APO 154.60 V2 35.020
 RC 209.976 GL 8.23 GP -4.14 ZAL 44.48 ZAP 174.68 ETS 233.64 ZAE 132.65 ETE 184.42 ZAC 131.22 ETC 167.32 CLP 176.65

PLANETOCENTRIC CONIC
 C3 54.171 VHL 7.360 DLA 26.52 RAL 48.50 RAD 6569.0 VEL 13.249 PTH 2.42 VHP 11.890 DPA 7.96 RAP 36.91 ECC 1.8915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 10 3494.95 -20.61 130.58 296.37 70.14 4 33 25 2895.0 -23.13 122.82
 90.00 0 38 34 4073.73 -4.03 164.93 288.86 61.95 1 46 28 3473.7 -7.75 158.23
 100.00 5 26 51 3134.87 -23.96 105.34 297.62 71.97 6 19 6 2534.9 -26.25 97.29
 100.00 1 29 34 3909.05 -.93 151.12 287.15 60.12 2 34 43 3309.0 -4.90 144.58
 110.00 7 26 48 2759.59 -30.77 79.20 299.97 74.31 8 12 47 2159.6 -32.61 70.46
 110.00 1 46 7 3857.10 5.12 143.43 283.39 56.16 2 50 24 3257.1 .64 137.21

MID-COURSE EXECUTION ACCURACY
 SGT 5379.5 SGR 408.9 SG3 99.5
 RRT .4796 RRF .4591 RTF .9489
 SGB 5395.0 R23 .0022 R13 .9489
 SGI 5383.1 SG2 358.5 TMA 2.10

ORBIT DETERMINATION ACCURACY
 ST 2252.9 SR 403.2 SS 486.5
 CRT .8366 CRS -.7626 CST -.9921
 LSA 2328.7 MSA 228.0 SSA 12.2
 EL1 2278.3 EL2 218.5 ALF 8.60

DIFFERENTIAL CORRECTIONS
 TOE 2.3343 TRA 5.0944 TC3-1.6628 BAU 1.2042
 ROE .5173 RRA .0814 RC3 -.0026 FAU .00783
 FDE .4425 FRA 1.2447 FC3 -.1251 BSP 17769
 BOE 2.3909 BRA 5.0951 BC3 1.6628 FSP -336

LAUNCH DATE DEC 29 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 19 1966

DISTANCE 587.839

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 25.748 GAL 12.92 AZL 87.71 MCA 306.44 SMA 116.28 ECC .34167 INC 2.2900 V1 30.284
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.229 GAP 19.59 AZP 88.64 TAL 152.05 TAP 98.50 RCA 76.55 APO 156.01 V2 35.034
 RC 211.617 GL 7.33 GP -4.09 ZAL 42.43 ZAP 174.13 ETS 226.77 ZAE 132.60 ETE 184.38 ZAC 133.45 ETC 166.96 CLP 175.78

PLANETOCENTRIC CONIC
 C3 61.784 VHL 7.860 DLA 26.16 RAL 50.86 RAD 6569.2 VEL 13.533 PTH 2.47 VHP 12.450 DPA 8.84 RAP 39.08 ECC 2.0168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 1 3498.70 -20.53 130.82 301.10 70.05 4 51 19 2898.7 -23.06 123.07
 90.00 0 39 29 4134.36 -2.08 168.32 292.74 61.75 1 48 24 3534.4 -5.84 161.66
 100.00 5 42 24 3146.06 -23.72 106.09 302.31 71.25 6 34 50 2546.1 -26.06 98.07
 100.00 1 32 47 3962.24 .88 154.03 291.09 60.12 2 38 49 3362.2 -3.11 147.51
 110.00 7 40 2 2777.95 -30.42 80.51 304.69 73.60 8 26 20 2178.0 -32.37 71.84
 110.00 1 51 38 3903.10 6.86 145.85 287.39 56.43 2 56 41 3303.1 2.40 139.61

MID-COURSE EXECUTION ACCURACY
 SGT 5358.4 SGR 400.9 SG3 97.4
 RRT .5000 RRF .4809 RTF .9546
 SGB 5373.4 R23 .0018 R13 .9546
 SGI 5362.2 SG2 346.9 TMA 2.15

ORBIT DETERMINATION ACCURACY
 ST 2187.5 SR 392.3 SS 485.4
 CRT .8183 CRS -.7473 CST -.9932
 LSA 2263.0 MSA 231.3 SSA 11.6
 EL1 2211.2 EL2 223.1 ALF 8.44

DIFFERENTIAL CORRECTIONS
 TOE 2.3367 TRA 5.6270 TC3-1.4120 BAU 1.1663
 ROE .5371 RRA .1062 RC3 -.0038 FAU .00673
 FDE .4345 FRA 1.3191 FC3 -.0943 BSP 17782
 BOE 2.3976 BRA 5.6280 BC3 1.4120 FSP -329

LAUNCH DATE DEC 29 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 21 1966

DISTANCE 591.750

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 97.07 VL 25.709 GAL 14.31 AZL 87.82 MCA 309.65 SMA 116.08 ECC .35800 INC 2.1817 V1 30.284
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.214 GAP 20.62 AZP 88.61 TAL 150.66 TAP 100.31 RCA 74.52 APO 157.63 V2 35.047
 RC 213.230 GL 6.47 GP -4.04 ZAL 40.54 ZAP 173.48 ETS 220.93 ZAE 132.50 ETE 184.33 ZAC 135.64 ETC 166.53 CLP 174.87

PLANETOCENTRIC CONIC
 C3 70.897 VHL 8.420 DLA 25.77 RAL 53.02 RAD 6569.4 VEL 13.865 PTH 2.53 VHP 13.076 DPA 9.70 RAP 41.24 ECC 2.1668
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 5 3503.01 -20.43 131.10 303.67 69.95 5 8 28 2903.0 -22.97 123.35
 90.00 0 39 39 4195.85 -.10 171.75 296.46 61.68 1 49 35 3595.9 -3.88 165.11
 100.00 5 57 24 3157.05 -23.47 106.81 306.84 70.94 6 50 1 2557.0 -25.86 98.82
 100.00 1 35 2 4017.04 2.73 157.04 294.89 60.22 2 41 59 3417.0 -1.25 150.52
 110.00 7 52 47 2796.04 -30.07 81.80 309.25 72.91 8 39 23 2196.0 -32.11 73.19
 110.00 1 56 8 3950.81 8.65 148.39 291.25 56.80 3 1 59 3350.8 4.22 142.10

MID-COURSE EXECUTION ACCURACY
 SGT 5333.5 SGR 391.8 SG3 95.4
 RRT .5202 RRF .5024 RTF .9602
 SGB 5347.8 R23 .0012 R13 .9602
 SGI 5337.4 SG2 334.4 TMA 2.20

ORBIT DETERMINATION ACCURACY
 ST 2125.6 SR 379.9 SS 486.9
 CRT .7996 CRS -.7324 CST -.9943
 LSA 2201.1 MSA 232.9 SSA 10.9
 EL1 2147.4 EL2 225.8 ALF 8.22

DIFFERENTIAL CORRECTIONS
 TOE 2.3413 TRA 6.2016 TC3-1.1801 BAU 1.1185
 ROE .5566 RRA .1327 RC3 -.0041 FAU .00559
 FDE .4282 FRA 1.4005 FC3 -.0683 BSP 17784
 BOE 2.4065 BRA 6.2030 BC3 1.1801 FSP -323

LAUNCH DATE DEC 29 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 595.297

RL 147.11 LAL .00 LOL 97.07 VL 25.672 GAL 15.83 AZL 87.94 MCA 312.86 SMA 115.88 ECC .37635 INC 2.0627 V1 30.284
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.200 GAP 21.79 AZP 88.60 TAL 149.37 TAP 102.23 RCA 72.27 APO 159.49 V2 35.060
 RC 214.816 GL 5.64 GP -3.99 ZAL 38.83 ZAP 172.72 ETS 216.00 ZAE 132.35 ETE 184.29 ZAC 137.77 ETC 166.04 CLP 173.91

PLANETOCENTRIC CONIC

C3 81.868 VML 9.048 DLA 25.34 RAL 54.98 RAD 6569.6 VEL 14.255 PTH 2.59 VHP 13.781 DPA 10.51 RAP 43.36 ECC 2.3473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 18 3507.89 -20.31 131.41 310.07 69.84 5 24 46 2907.9 -22.88 123.68
 90.00 0 39 8 4257.66 1.90 175.20 300.04 61.74 1 50 6 3657.7 -1.89 168.57
 100.00 6 11 45 3167.91 -23.23 107.53 311.20 70.64 7 4 33 2567.9 -25.66 99.57
 100.00 1 36 22 4072.87 4.61 160.12 298.54 60.43 2 44 15 3472.9 .64 153.58
 110.00 8 4 56 2813.80 -29.71 83.06 313.62 72.25 8 51 49 2213.8 -31.84 74.50
 110.00 1 59 41 3999.74 10.46 151.02 294.98 57.27 3 6 21 3399.7 6.07 144.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3545 TRA 6.8281 TC3 -.9649 BAU 1.0561 SGT 5306.8 SGR 381.8 SG3 93.5 ST 2070.2 SR 366.3 SS 491.9
 RDE .5759 RRA .1611 RC3 -.0035 FAU .00432 RRT .5404 RRF .5243 RTF .9655 CRT .7812 CRS -.7188 CST -.9953
 FDE .4250 FRA 1.4911 FC3 -.0457 B3P 17663 SGB 5320.5 R23 .0007 R13 .9655 LSA 2146.6 MSA 232.4 SSA 10.3
 BDE 2.4239 BRA 6.8300 BC3 .9649 F3P -314 SGI 5310.8 SG2 321.0 THA 2.23 EL1 2090.1 EL2 226.5 ALF 7.96

LAUNCH DATE DEC 29 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

DISTANCE 598.386

RL 147.11 LAL .00 LOL 97.07 VL 25.635 GAL 17.52 AZL 88.07 MCA 316.07 SMA 115.69 ECC .39705 INC 1.9306 V1 30.284
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.187 GAP 23.10 AZP 88.61 TAL 148.22 TAP 104.30 RCA 69.76 APO 161.63 V2 35.073
 RC 216.375 GL 4.84 GP -3.95 ZAL 37.28 ZAP 171.86 ETS 211.81 ZAE 132.13 ETE 184.23 ZAC 139.84 ETC 165.47 CLP 172.88

PLANETOCENTRIC CONIC

C3 95.164 VML 9.755 DLA 24.90 RAL 56.75 RAD 6569.9 VEL 14.714 PTH 2.66 VHP 14.578 DPA 11.28 RAP 45.44 ECC 2.3662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 34 3513.20 -20.19 131.75 314.26 69.71 5 40 7 2913.2 -22.77 124.03
 90.00 0 37 58 4319.33 3.88 178.64 303.45 61.93 1 49 57 3719.3 .10 172.01
 100.00 6 25 21 3178.56 -22.99 108.23 315.35 70.35 7 18 20 2578.6 -25.46 100.30
 100.00 1 36 51 4129.20 6.50 163.24 302.02 60.76 2 45 41 3529.2 2.55 156.68
 110.00 8 16 25 2831.09 -29.34 84.27 317.79 71.62 9 3 36 2231.1 -31.57 75.77
 110.00 2 2 17 4049.43 12.28 153.72 298.54 57.84 3 9 47 3449.4 7.94 147.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3688 TRA 7.5041 TC3 -.7714 BAU .9814 SGT 5273.5 SGR 370.5 SG3 91.6 ST 2015.6 SR 351.2 SS 499.2
 RDE .5947 RRA .1908 RC3 -.0025 FAU .00299 RRT .5596 RRF .5451 RTF .9707 CRT .7627 CRS -.7053 CST -.9962
 FDE .4229 FRA 1.5902 FC3 -.0272 B3P 17651 SGB 5286.5 R23 .0000 R13 .9707 LSA 2093.3 MSA 230.2 SSA 9.7
 BDE 2.4423 BRA 7.5065 BC3 .7714 F3P -309 SGI 5277.6 SG2 306.8 THA 2.26 EL1 2033.5 EL2 225.1 ALF 7.67

LAUNCH DATE DEC 29 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

DISTANCE 600.897

RL 147.11 LAL .00 LOL 97.07 VL 25.601 GAL 19.39 AZL 88.22 MCA 319.28 SMA 115.52 ECC .42049 INC 1.7820 V1 30.284
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.175 GAP 24.60 AZP 88.65 TAL 147.24 TAP 106.32 RCA 66.94 APO 164.09 V2 35.086
 RC 217.906 GL 4.08 GP -3.91 ZAL 35.93 ZAP 170.90 ETS 208.23 ZAE 131.84 ETE 184.17 ZAC 141.83 ETC 164.84 CLP 171.77

PLANETOCENTRIC CONIC

C3 111.404 VML 10.555 DLA 24.43 RAL 58.31 RAD 6570.1 VEL 15.256 PTH 2.74 VHP 15.484 DPA 12.00 RAP 47.45 ECC 2.8334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 51 3518.66 -20.06 132.10 318.21 69.58 5 54 29 2918.7 -22.66 124.39
 90.00 0 36 7 4380.51 5.83 182.08 306.68 62.24 1 49 8 3780.5 2.07 175.42
 100.00 6 38 9 3188.82 -22.75 108.90 319.27 70.07 7 31 17 2588.8 -25.26 101.00
 100.00 1 36 30 4185.58 8.36 166.39 305.31 61.20 2 46 16 3585.6 4.45 159.78
 110.00 8 27 10 2847.72 -28.98 85.43 321.71 71.02 9 14 38 2247.7 -31.29 76.99
 110.00 2 3 58 4099.45 14.07 156.49 301.93 58.52 3 12 17 3499.4 9.80 149.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3924 TRA 8.2427 TC3 -.5958 BAU .8874 SGT 5236.3 SGR 358.1 SG3 89.9 ST 1965.1 SR 335.2 SS 510.1
 RDE .6131 RRA .2217 RC3 -.0010 FAU .00148 RRT .5784 RRF .5654 RTF .9755 CRT .7450 CRS -.6930 CST -.9970
 FDE .4235 FRA 1.7009 FC3 -.0115 B3P 17619 SGB 5248.6 R23 -.0006 R13 .9755 LSA 2045.2 MSA 226.1 SSA 9.1
 BDE 2.4697 BRA 8.2457 BC3 .5958 F3P -303 SGI 5240.4 SG2 291.9 THA 2.27 EL1 1981.1 EL2 221.8 ALF 7.33

LAUNCH DATE DEC 29 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 602.666

RL 147.11 LAL .00 LOL 97.07 VL 25.569 GAL 21.50 AZL 88.39 MCA 322.50 SMA 115.35 ECC .44713 INC 1.6127 V1 30.284
 RP 107.97 LAP -.98 LOP 59.58 VP 36.165 GAP 26.32 AZP 88.72 TAL 146.45 TAP 108.95 RCA 63.78 APO 166.93 V2 35.099
 RC 219.410 GL 3.35 GP -3.87 ZAL 34.77 ZAP 169.81 ETS 205.14 ZAE 131.44 ETE 184.10 ZAC 143.72 ETC 164.14 CLP 170.56

PLANETOCENTRIC CONIC

C3 131.415 VML 11.464 DLA 23.93 RAL 59.65 RAD 6570.4 VEL 15.898 PTH 2.81 VHP 16.523 DPA 12.67 RAP 49.39 ECC 3.1628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 6 3523.92 -19.93 132.44 321.89 69.46 6 7 49 2923.9 -22.55 124.74
 90.00 0 33 32 4440.89 7.73 185.50 309.71 62.68 1 47 33 3840.9 4.01 178.80
 100.00 6 50 3 3198.43 -22.53 109.52 322.92 69.81 7 43 21 2598.4 -25.07 101.65
 100.00 1 35 16 4241.62 10.18 169.55 308.40 61.74 2 45 57 3641.6 6.33 162.88
 110.00 8 37 8 2863.40 -28.63 86.52 325.36 70.47 9 24 51 2263.4 -31.02 78.13
 110.00 2 4 40 4149.41 15.83 159.29 305.13 59.30 3 13 50 3549.4 11.64 152.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4283 TRA 9.0530 TC3 -.4379 BAU .7694 SGT 5195.0 SGR 344.6 SG3 88.2 ST 1918.2 SR 318.2 SS 525.0
 RDE .6312 RRA .2535 RC3 .0007 FAU -.00029 RRT .5963 RRF .5849 RTF .9799 CRT .7285 CRS -.6821 CST -.9977
 FDE .4273 FRA 1.8252 FC3 .0019 B3P 17574 SGB 5206.4 R23 -.0013 R13 .9799 LSA 2002.0 MSA 220.1 SSA 8.5
 BDE 2.5090 BRA 9.0566 BC3 .4379 F3P -298 SGI 5199.0 SG2 276.4 THA 2.27 EL1 1932.4 EL2 216.4 ALF 6.98

LAUNCH DATE DEC 29 1965

FLIGHT TIME 214.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 603.480

RL 147.11 LAL .00 LOL 97.07 VL 25.540 GAL 23.88 AZL 88.58 HCA 325.72 SMA 115.20 ECC .47751 INC 1.4162 VI 30.284
 RP 107.93 LAP -.80 LOP 62.80 VP 36.156 GAP 28.31 AZP 88.83 TAL 145.91 TAP 111.63 RCA 60.19 APO 170.21 V2 35.111
 RC 220.887 GL 2.65 GP -3.83 ZAL 33.84 ZAP 168.58 ETS 202.45 ZAE 130.93 ETE 184.02 ZAC 145.49 ETC 163.38 CLP 169.24

PLANETOCENTRIC CONIC

C3 156.313 VHL 12.503 OLA 23.42 RAL 60.74 RAD 6570.7 VEL 16.663 PTH 2.89 VHP 17.719 DPA 13.29 RAP 51.22 ECC 3.5725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 21 16 3528.55 -19.82 132.73 325.25 69.35 6 20 5 2928.5 -22.45 125.05
 90.00 0 30 7 4500.22 9.57 188.89 312.49 63.22 1 45 7 3900.2 5.90 182.13
 100.00 7 1 0 3207.01 -22.32 110.08 326.26 69.59 7 54 27 2607.0 -24.90 102.23
 100.00 1 33 5 4296.99 11.95 172.71 311.24 62.40 2 44 42 3697.0 8.16 165.97
 110.00 8 46 13 2877.81 -28.29 87.51 328.69 69.97 9 34 11 2277.8 -30.75 79.17
 110.00 2 4 20 4198.95 17.53 162.13 308.08 60.17 3 14 19 3599.0 13.43 155.41

DIFFERENTIAL CORRECTIONS

TDE 2.4855 TRA 9.9500 TC3 -.2957 BAU .6179
 RDE .6493 RRA .2858 RC3 .0026 FAU-.00248
 FDE .4361 FRA 1.9668 FC3 .0137 BSP 17392
 BDE 2.5689 BRA 9.9541 BC3 .2957 FSP -291

MID-COURSE EXECUTION ACCURACY

SGT 5151.5 SGR 330.1 SG3 86.7
 RRT .6137 RRF .6038 RTF .9839
 SGB 5162.0 R23 -.0019 R13 .9839
 SG1 5155.5 SG2 260.4 THA 2.26

ORBIT DETERMINATION ACCURACY

ST 1876.3 SR 300.6 SS 545.1
 CRT .7141 CRS -.6733 CST -.9983
 LSA 1965.4 MSA 212.2 SSA 8.0
 EL1 1888.7 EL2 209.1 ALF 6.61

LAUNCH DATE DEC 29 1965

FLIGHT TIME 216.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 603.044

RL 147.11 LAL .00 LOL 97.07 VL 25.513 GAL 26.60 AZL 88.82 HCA 328.94 SMA 115.07 ECC .51227 INC 1.1843 VI 30.284
 RP 107.89 LAP -.61 LOP 66.02 VP 36.149 GAP 30.63 AZP 88.99 TAL 145.68 TAP 114.61 RCA 56.12 APO 174.02 V2 35.124
 RC 222.336 GL 1.97 GP -3.78 ZAL 33.15 ZAP 167.20 ETS 200.07 ZAE 130.26 ETE 183.93 ZAC 147.11 ETC 162.58 CLP 167.76

PLANETOCENTRIC CONIC

C3 187.617 VHL 13.697 OLA 22.88 RAL 61.58 RAD 6571.0 VEL 17.577 PTH 2.97 VHP 19.107 DPA 13.84 RAP 52.92 ECC 4.0877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 18 3532.02 -19.74 132.95 328.26 69.27 6 31 10 2932.0 -22.38 125.28
 90.00 0 25 43 4558.28 11.33 192.25 314.98 63.88 1 41 41 3958.3 7.73 185.42
 100.00 7 10 54 3214.13 -22.15 110.54 329.23 69.40 8 4 28 2614.1 -24.76 102.71
 100.00 1 29 49 4351.41 13.64 175.86 313.80 63.14 2 42 20 3751.4 -9.93 169.04
 110.00 8 54 20 2890.54 -27.99 88.38 331.65 69.53 9 42 30 2290.5 -30.52 80.09
 110.00 2 2 32 4247.76 19.16 164.97 310.77 61.13 3 13 40 3647.8 15.16 158.14

DIFFERENTIAL CORRECTIONS

TDE 2.5587 TRA10.9335 TC3 -.1713 BAU .4298
 RDE .6671 RRA .3173 RC3 .0044 FAU-.00512
 FDE .4485 FRA 2.1262 FC3 .0236 BSP 17330
 BDE 2.6443 BRA10.9381 BC3 .1714 FSP -286

MID-COURSE EXECUTION ACCURACY

SGT 5099.9 SGR 314.3 SG3 85.2
 RRT .6291 RRF .6206 RTF .9874
 SGB 5109.6 R23 -.0025 R13 .9874
 SG1 5103.8 SG2 244.1 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 1834.0 SR 282.4 SS 569.6
 CRT .7010 CRS -.6657 CST -.9987
 LSA 1930.5 MSA 202.8 SSA 7.4
 EL1 1844.8 EL2 200.2 ALF 6.23

LAUNCH DATE DEC 29 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 4 1966

HELIOCENTRIC CONIC

DISTANCE 600.968

RL 147.11 LAL .00 LOL 97.07 VL 25.491 GAL 29.72 AZL 89.10 HCA 332.16 SMA 114.96 ECC .55210 INC .9046 VI 30.284
 RP 107.86 LAP -.42 LOP 69.23 VP 36.145 GAP 33.35 AZP 89.20 TAL 145.82 TAP 117.98 RCA 51.49 APO 178.42 V2 35.135
 RC 223.756 GL 1.33 GP -3.74 ZAL 32.74 ZAP 165.61 ETS 197.95 ZAE 129.40 ETE 183.82 ZAC 148.54 ETC 161.77 CLP 166.10

PLANETOCENTRIC CONIC

C3 227.418 VHL 15.080 OLA 22.32 RAL 62.11 RAD 6571.3 VEL 18.674 PTH 3.06 VHP 20.728 DPA 14.34 RAP 54.44 ECC 4.7427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 42 8 3533.78 -19.70 133.06 330.84 69.23 6 41 2 2933.8 -22.35 125.39
 90.00 0 20 9 4614.94 13.01 195.56 317.14 64.63 1 37 4 4014.9 9.49 188.66
 100.00 7 19 40 3219.29 -22.03 110.87 331.79 69.27 8 13 19 2619.3 -24.65 103.06
 100.00 1 25 18 4404.66 15.26 178.99 316.02 63.98 2 38 42 3804.7 11.64 172.08
 110.00 9 1 22 2901.13 -27.74 89.09 334.17 69.17 9 49 43 2301.1 -30.31 80.85
 110.00 2 0 5 4295.59 20.70 167.82 313.12 62.17 3 11 41 3695.6 16.82 160.85

DIFFERENTIAL CORRECTIONS

TDE 2.6807 TRA12.0199 TC3 -.0622 BAU .1901
 RDE .6849 RRA .3470 RC3 .0061 FAU-.00849
 FDE .4670 FRA 2.3083 FC3 .0323 BSP 17229
 BDE 2.7474 BRA12.0249 BC3 .0625 FSP -282

MID-COURSE EXECUTION ACCURACY

SGT 5042.7 SGR 297.3 SG3 83.8
 RRT .6425 RRF .6352 RTF .9904
 SGB 5051.4 R23 -.0031 R13 .9903
 SG1 5046.3 SG2 227.6 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 1793.1 SR 263.7 SS 600.4
 CRT .6902 CRS -.6599 CST -.9991
 LSA 1899.6 MSA 192.1 SSA 6.8
 EL1 1802.4 EL2 189.9 ALF 5.86

LAUNCH DATE DEC 29 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 6 1966

HELIOCENTRIC CONIC

DISTANCE 596.728

RL 147.11 LAL .00 LOL 97.07 VL 25.474 GAL 33.35 AZL 89.44 HCA 335.38 SMA 114.87 ECC .59769 INC .5578 VI 30.284
 RP 107.82 LAP -.23 LOP 72.45 VP 36.144 GAP 36.56 AZP 89.49 TAL 146.45 TAP 121.83 RCA 46.21 APO 183.52 V2 35.147
 RC 225.148 GL .71 GP -3.69 ZAL 32.67 ZAP 163.78 ETS 196.03 ZAE 128.31 ETE 183.69 ZAC 149.76 ETC 160.98 CLP 164.20

PLANETOCENTRIC CONIC

C3 278.596 VHL 16.691 OLA 21.73 RAL 62.30 RAD 6571.6 VEL 19.998 PTH 3.14 VHP 22.633 DPA 14.76 RAP 55.74 ECC 5.5850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 39 3533.17 -19.71 133.02 332.93 69.25 6 49 32 2933.2 -22.36 125.35
 90.00 0 13 8 4670.12 14.59 198.84 318.89 65.46 1 30 58 4070.1 11.16 191.84
 100.00 7 27 11 3221.89 -21.97 111.04 333.85 69.20 8 20 53 2621.9 -24.60 103.23
 100.00 1 19 17 4456.63 16.79 182.10 317.84 64.90 2 33 33 3856.6 13.27 175.08
 110.00 9 7 11 2909.05 -27.55 89.63 336.20 68.91 9 55 40 2309.0 -30.16 81.41
 110.00 1 55 46 4342.24 22.16 170.86 315.07 63.28 3 8 9 3742.2 18.39 163.55

DIFFERENTIAL CORRECTIONS

TDE 2.7993 TRA13.2153 TC3 .0321 BAU .1228
 RDE .7032 RRA .3726 RC3 .0075 FAU-.01288
 FDE .4935 FRA 2.5166 FC3 .0400 BSP 17090
 BDE 2.8863 BRA13.2206 BC3 .0330 FSP -278

MID-COURSE EXECUTION ACCURACY

SGT 4978.1 SGR 279.0 SG3 82.5
 RRT .6530 RRF .6468 RTF .9928
 SGB 4986.0 R23 -.0036 R13 .9928
 SG1 4981.5 SG2 211.2 THA 2.10

ORBIT DETERMINATION ACCURACY

ST 1752.0 SR 244.9 SS 638.3
 CRT .6816 CRS -.6558 CST -.9993
 LSA 1872.0 MSA 180.3 SSA 6.3
 EL1 1760.0 EL2 178.4 ALF 5.50

LAUNCH DATE DEC 30 1965 FLIGHT TIME 70.00 ARRIVAL DATE MAR 10 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.759 GAL -14.82 AZL 87.00 MCA 97.03 SMA 144.45 ECC .25634 INC 2.9990 V1 30.285
 RP 107.89 LAP 2.98 LOP 193.13 VP 39.263 GAP -2.39 AZP 90.37 TAL 251.21 TAP 348.24 RCA 107.42 APO 181.48 V2 35.126
 RC 70.553 GL 11.02 GP 10.90 ZAL 164.05 ZAP 66.13 ETS 353.05 ZAE 175.12 ETE 47.84 ZAC 43.05 ETC 168.71 CLP -65.66

PLANETOCENTRIC CONIC
 C3 62.037 VHL 7.876 DLA -11.09 RAL 289.70 RAD 6569.2 VEL 13.542 PTH 2.48 VHP 4.576 DPA -9.91 RAP 310.00 ECC 2.0210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 8 2144.12 -17.80 37.07 167.60 112.39 2 8 52 1544.1 -14.61 29.85
 90.00 10 40 59 5490.91 28.30 254.20 176.06 88.90 12 12 30 4890.9 27.85 245.57
 100.00 2 48 54 1899.65 -19.22 18.46 166.97 113.34 3 20 34 1299.7 -15.90 11.25
 100.00 12 7 53 5210.62 29.84 233.54 176.01 88.13 13 34 44 4610.6 29.26 224.79
 110.00 3 44 32 1725.44 -22.98 3.39 165.12 116.05 4 13 18 1125.4 -19.29 356.20
 110.00 13 28 45 4957.60 33.97 214.08 175.76 85.98 14 51 23 4357.6 33.05 204.96

DIFFERENTIAL CORRECTIONS
 TOE -.0696 TRA -.7115 TC3 -.0264 BAU .0507 SGT 531.5 SGR 414.8 SG3 230.9 ST 166.1 SR 383.8 SS 170.7
 RDE -.5245 RRA .1856 RC3 .0552 FAU .10782 RRT -.2580 RRF -.4124 RTF .5125 CRT .2003 CRS .5997 CST -.6493
 FDE .3032 FRA -1.6382 FC3 -1.5047 BSP .809 SGB 674.2 R23 .1337 R13 -.5735 LSA 399.4 MSA 210.0 SSA 19.5
 BDE .5291 BRA .7353 BC3 .0612 FSP -.685 SG1 553.7 SG2 384.7 THA 157.07 EL1 385.5 EL2 162.0 ALF 83.98

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965 FLIGHT TIME 72.00 ARRIVAL DATE MAR 12 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.740 GAL -14.66 AZL 87.07 MCA 100.25 SMA 144.28 ECC .25372 INC 2.9268 V1 30.285
 RP 107.92 LAP 2.88 LOP 198.35 VP 39.238 GAP -1.76 AZP 90.52 TAL 251.06 TAP 351.31 RCA 107.67 APO 180.88 V2 35.114
 RC 72.741 GL 10.88 GP 11.38 ZAL 164.08 ZAP 71.26 ETS 353.93 ZAE 175.54 ETE 90.27 ZAC 41.05 ETC 169.18 CLP -70.86

PLANETOCENTRIC CONIC
 C3 60.625 VHL 7.786 DLA -11.22 RAL 289.81 RAD 6569.1 VEL 13.490 PTH 2.47 VHP 4.423 DPA -9.86 RAP 307.97 ECC 1.9977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 38 2134.30 -17.54 36.46 167.33 112.59 2 10 12 1534.3 -14.33 29.26
 90.00 10 40 22 5489.56 28.30 254.10 175.80 88.85 12 11 52 4889.6 27.84 245.47
 100.00 2 50 20 1890.07 -18.96 17.87 166.69 113.55 3 21 50 1290.1 -15.61 10.67
 100.00 12 7 21 5209.03 29.84 233.42 175.75 88.07 13 34 10 4609.0 29.25 224.67
 110.00 3 45 48 1716.37 -22.71 2.83 164.83 116.26 4 14 24 1116.4 -19.00 355.66
 110.00 13 28 23 4955.49 33.96 213.92 175.50 85.88 14 50 58 4355.5 33.02 204.80

DIFFERENTIAL CORRECTIONS
 TOE -.0582 TRA -.7707 TC3 -.0690 BAU .0780 SGT 589.6 SGR 420.6 SG3 247.0 ST 178.7 SR 382.8 SS 174.7
 RDE -.5167 RRA .1952 RC3 .0671 FAU .11421 RRT -.3210 RRF -.4507 RTF .5992 CRT .1263 CRS .5987 CST -.7054
 FDE .3128 FRA -1.7226 FC3 -1.6309 BSP .1062 SGB 724.3 R23 .1230 R13 -.6468 LSA 398.8 MSA 222.7 SSA 19.6
 BDE .5200 BRA .7950 BC3 .0962 FSP -.737 SG1 615.6 SG2 381.5 THA 158.50 EL1 383.6 EL2 176.9 ALF 85.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965 FLIGHT TIME 74.00 ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.714 GAL -14.50 AZL 87.15 MCA 103.47 SMA 144.03 ECC .25118 INC 2.8531 V1 30.285
 RP 107.96 LAP 2.77 LOP 201.58 VP 39.206 GAP -1.15 AZP 90.67 TAL 250.78 TAP 354.25 RCA 107.85 APO 180.21 V2 35.101
 RC 74.954 GL 10.72 GP 11.84 ZAL 164.07 ZAP 76.38 ETS 354.84 ZAE 173.74 ETE 122.98 ZAC 39.05 ETC 169.69 CLP -76.08

PLANETOCENTRIC CONIC
 C3 59.240 VHL 7.697 DLA -11.35 RAL 289.99 RAD 6569.1 VEL 13.439 PTH 2.46 VHP 4.303 DPA -9.82 RAP 305.93 ECC 1.9749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 25 2124.29 -17.28 35.84 167.12 112.79 2 11 50 1524.3 -14.04 28.66
 90.00 10 39 59 5488.32 28.29 254.01 175.61 88.81 12 11 28 4888.3 27.83 245.38
 100.00 2 52 3 1880.32 -18.69 17.27 166.48 113.76 3 23 23 1280.3 -15.32 10.10
 100.00 12 7 3 5207.53 29.83 233.31 175.56 88.01 13 33 51 4607.5 29.24 224.56
 110.00 3 47 20 1707.15 -22.43 2.26 164.61 116.50 4 15 47 1107.2 -18.69 355.12
 110.00 13 28 15 4953.46 33.95 213.76 175.30 85.79 14 50 48 4353.5 33.00 204.65

DIFFERENTIAL CORRECTIONS
 TOE -.0466 TRA -.8346 TC3 -.1164 BAU .1116 SGT 659.5 SGR 426.0 SG3 261.5 ST 193.3 SR 380.3 SS 177.3
 RDE -.5071 RRA .2043 RC3 .0794 FAU .11975 RRT -.3813 RRF -.4874 RTF .6694 CRT .0575 CRS .5925 CST -.7577
 FDE .3138 FRA -1.7900 FC3 -1.7501 BSP .1344 SGB 785.1 R23 .1146 R13 -.7057 LSA 396.8 MSA 235.8 SSA 19.7
 BDE .5092 BRA .8593 BC3 .1410 FSP -.792 SG1 688.6 SG2 377.2 THA 159.89 EL1 380.5 EL2 192.9 ALF 87.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965 FLIGHT TIME 76.00 ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.680 GAL -14.34 AZL 87.22 MCA 106.69 SMA 143.72 ECC .24871 INC 2.7775 V1 30.285
 RP 108.00 LAP 2.66 LOP 204.80 VP 39.169 GAP -.58 AZP 90.80 TAL 250.39 TAP 357.07 RCA 107.97 APO 179.46 V2 35.089
 RC 77.191 GL 10.55 GP 12.27 ZAL 164.02 ZAP 81.45 ETS 355.78 ZAE 170.92 ETE 138.69 ZAC 37.10 ETC 170.23 CLP -81.25

PLANETOCENTRIC CONIC
 C3 57.873 VHL 7.607 DLA -11.48 RAL 290.23 RAD 6569.1 VEL 13.388 PTH 2.45 VHP 4.213 DPA -9.76 RAP 303.94 ECC 1.9524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 31 2114.02 -17.01 35.21 166.97 112.99 2 13 45 1514.0 -13.75 28.05
 90.00 10 39 49 5487.18 28.29 253.93 175.48 88.77 12 11 16 4887.2 27.82 245.30
 100.00 2 54 3 1870.31 -18.42 16.65 166.33 113.97 3 25 13 1270.3 -15.02 9.50
 100.00 12 6 57 5206.12 29.83 233.21 175.43 87.96 13 33 43 4606.1 29.23 224.46
 110.00 3 49 10 1697.71 -22.14 1.68 164.45 116.73 4 17 28 1097.7 -18.38 354.57
 110.00 13 28 20 4951.49 33.94 213.60 175.16 85.70 14 50 51 4351.5 32.98 204.50

DIFFERENTIAL CORRECTIONS
 TOE -.0358 TRA -.9027 TC3 -.1688 BAU .1488 SGT 740.3 SGR 430.9 SG3 273.6 ST 210.0 SR 376.6 SS 178.5
 RDE -.4958 RRA .2125 RC3 .0920 FAU .12415 RRT -.4364 RRF -.5224 RTF .7243 CRT -.0022 CRS .5855 CST -.8003
 FDE .3096 FRA -1.8350 FC3 -1.8572 BSP .1660 SGB 856.6 R23 .1092 R13 -.7519 LSA 394.1 MSA 249.2 SSA 19.7
 BDE .4971 BRA .9274 BC3 .1923 FSP -.839 SG1 771.6 SG2 372.0 THA 161.23 EL1 376.6 EL2 210.0 ALF 90.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 236.138

RL 147.11 LAL .00 LOL 98.09 VL 29.639 GAL -14.18 AZL 87.30 MCA 109.90 SMA 143.35 ECC .24629 INC 2.6993 V1 30.285
 RP 108.04 LAP 2.54 LOP 208.01 VP 39.127 GAP -.04 AZP 90.92 TAL 249.89 TAP 359.79 RCA 108.04 APO 178.65 V2 35.076
 RC 79.446 GL 10.37 GP 12.68 ZAL 163.93 ZAP 86.41 ETS 356.76 ZAE 167.80 ETE 146.80 ZAC 35.25 ETC 170.79 CLP -86.33

PLANETOCENTRIC CONIC

C3 56.515 VHL 7.518 DLA -11.63 RAL 290.53 RAD 6569.0 VEL 13.337 PTH 2.44 VHP 4.151 DPA -9.68 RAP 302.06 ECC 1.9301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 54 2103.40 -16.72 34.56 166.87 113.19 2 15 57 1503.4 -13.44 27.42
 90.00 10 39 48 5486.15 28.29 253.86 175.39 88.73 12 11 14 4886.2 27.81 245.22
 100.00 2 56 21 1859.96 -18.13 16.02 166.23 114.18 3 27 21 1260.0 -14.71 8.89
 100.00 12 7 2 5204.82 29.83 233.11 175.34 87.90 13 33 47 4604.8 29.22 224.36
 110.00 3 51 17 1687.95 -21.84 1.08 164.34 116.97 4 19 25 1088.0 -18.05 354.00
 110.00 13 28 36 4949.60 33.93 213.46 175.07 85.62 14 51 5 4349.6 32.96 204.36

DIFFERENTIAL CORRECTIONS

TDE -.0261 TRA -.9739 TC3 -.2255 BAU .1878
 RDE -.4828 RRA .2196 RC3 .1045 FAU .12728
 FDE .2993 FRA -1.8569 FC3 -1.9497 BSP 2000
 BDE .4835 BRA .9983 BC3 .2485 FSP -880

MID-COURSE EXECUTION ACCURACY

SGT .830.4 SGR 435.1 SG3 283.1
 RRT -.4857 RRF -.5553 RTF .7661
 SGB 937.5 R23 .1062 R13 -.7871
 SG1 863.1 SG2 365.9 TMA 162.48

ORBIT DETERMINATION ACCURACY

ST 228.4 SR 371.5 SS 178.5
 CRT -.0518 CRS .5763 CST -.8349
 LSA 390.7 MSA 262.7 SSA 19.8
 EL1 371.8 EL2 227.9 ALF 92.92

LAUNCH DATE DEC 30 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 242.483

RL 147.11 LAL .00 LOL 98.09 VL 29.593 GAL -14.02 AZL 87.38 MCA 113.11 SMA 142.92 ECC .24392 INC 2.6180 V1 30.285
 RP 108.08 LAP 2.41 LOP 211.23 VP 39.080 GAP .47 AZP 91.03 TAL 249.29 TAP 2.41 RCA 108.06 APO 177.78 V2 35.063
 RC 81.719 GL 10.17 GP 13.07 ZAL 163.80 ZAP 91.22 ETS 357.78 ZAE 164.63 ETE 151.60 ZAC 33.54 ETC 171.40 CLP -91.26

PLANETOCENTRIC CONIC

C3 55.160 VHL 7.427 DLA -11.78 RAL 290.88 RAD 6569.0 VEL 13.286 PTH 2.43 VHP 4.114 DPA -9.57 RAP 300.31 ECC 1.9078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 35 2092.32 -16.43 33.89 166.82 113.39 2 18 27 1492.3 -13.12 26.77
 90.00 10 39 56 5485.29 28.29 253.79 175.36 88.70 12 11 22 4885.3 27.81 245.16
 100.00 2 58 57 1849.18 -17.83 15.36 166.17 114.40 3 29 46 1249.2 -14.39 8.26
 100.00 12 7 16 5203.66 29.82 233.03 175.31 87.86 13 34 0 4603.7 29.21 224.28
 110.00 3 53 40 1677.80 -21.53 .46 164.27 117.22 4 21 38 1077.8 -17.71 353.41
 110.00 13 29 2 4947.81 33.93 213.32 175.03 85.53 14 51 30 4347.8 32.94 204.22

DIFFERENTIAL CORRECTIONS

TDE -.0182 TRA -1.0472 TC3 -.2861 BAU .2278
 RDE -.4685 RRA .2250 RC3 .1167 FAU .12883
 FDE .2895 FRA -1.8502 FC3 -2.0220 BSP 2359
 BDE .4689 BRA 1.0711 BC3 .3089 FSP -900

MID-COURSE EXECUTION ACCURACY

SGT 928.3 SGR 438.3 SG3 289.1
 RRT -.5282 RRF -.5863 RTF .7972
 SGB 1026.6 R23 .1066 R13 -.8136
 SG1 961.7 SG2 359.3 TMA 163.65

ORBIT DETERMINATION ACCURACY

ST 248.3 SR 365.4 SS 177.5
 CRT -.0901 CRS .5726 CST -.8575
 LSA 387.7 MSA 275.6 SSA 19.8
 EL1 366.6 EL2 246.4 ALF 96.41

LAUNCH DATE DEC 30 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 248.787

RL 147.11 LAL .00 LOL 98.09 VL 29.542 GAL -13.86 AZL 87.47 MCA 116.32 SMA 142.46 ECC .24158 INC 2.5327 V1 30.285
 RP 108.12 LAP 2.27 LOP 214.44 VP 39.030 GAP .96 AZP 91.12 TAL 248.61 TAP 4.93 RCA 108.04 APO 176.87 V2 35.050
 RC 84.008 GL 9.95 GP 13.45 ZAL 163.64 ZAP 95.84 ETS 358.83 ZAE 161.52 ETE 154.72 ZAC 32.01 ETC 172.04 CLP -96.01

PLANETOCENTRIC CONIC

C3 53.803 VHL 7.335 DLA -11.94 RAL 291.29 RAD 6568.9 VEL 13.235 PTH 2.42 VHP 4.098 DPA -9.43 RAP 298.75 ECC 1.8855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 35 2080.65 -16.11 33.18 166.82 113.61 2 21 16 1480.7 -12.78 26.08
 90.00 10 40 11 5484.65 28.29 253.75 175.38 88.67 12 11 36 4884.7 27.81 245.11
 100.00 3 1 51 1837.83 -17.51 14.67 166.16 114.62 3 32 29 1237.8 -14.04 7.99
 100.00 12 7 37 5202.71 29.82 232.95 175.32 87.82 13 34 19 4602.7 29.20 224.21
 110.00 3 56 21 1667.14 -21.20 359.81 164.25 117.47 4 24 8 1067.1 -17.35 352.79
 110.00 13 29 36 4946.17 33.92 213.19 175.04 85.46 14 52 2 4346.2 32.92 204.10

DIFFERENTIAL CORRECTIONS

TDE -.0121 TRA -1.1210 TC3 -.3497 BAU .2681
 RDE -.4524 RRA .2293 RC3 .1290 FAU .12933
 FDE .2713 FRA -1.8265 FC3 -2.0811 BSP 2729
 BDE .4528 BRA 1.1443 BC3 .3727 FSP -920

MID-COURSE EXECUTION ACCURACY

SGT 1031.7 SGR 440.7 SG3 292.9
 RRT -.5865 RRF -.6155 RTF .8204
 SGB 1121.8 R23 .1083 R13 -.8335
 SG1 1065.3 SG2 351.7 TMA 164.69

ORBIT DETERMINATION ACCURACY

ST 269.1 SR 357.7 SS 175.2
 CRT -.1194 CRS .5620 CST -.8779
 LSA 384.6 MSA 287.6 SSA 19.8
 EL1 360.8 EL2 264.8 ALF 101.25

LAUNCH DATE DEC 30 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 255.052

RL 147.11 LAL .00 LOL 98.09 VL 29.486 GAL -13.69 AZL 87.56 MCA 119.53 SMA 141.96 ECC .23928 INC 2.4426 V1 30.285
 RP 108.16 LAP 2.13 LOP 217.64 VP 38.976 GAP 1.42 AZP 91.20 TAL 247.84 TAP 7.37 RCA 107.99 APO 175.93 V2 35.036
 RC 86.309 GL 9.71 GP 13.83 ZAL 163.45 ZAP 100.24 ETS 359.92 ZAE 158.53 ETE 156.88 ZAC 30.68 ETC 172.73 CLP -100.55

PLANETOCENTRIC CONIC

C3 52.441 VHL 7.242 DLA -12.12 RAL 291.75 RAD 6568.9 VEL 13.183 PTH 2.41 VHP 4.102 DPA -9.25 RAP 297.40 ECC 1.8630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 55 2088.26 -15.77 32.42 166.85 113.83 2 24 24 1468.3 -12.42 25.35
 90.00 10 40 30 5484.34 28.29 253.72 175.43 88.66 12 11 55 4884.3 27.80 245.09
 100.00 3 5 4 1825.80 -17.17 13.94 166.19 114.85 3 35 30 1225.8 -13.67 6.89
 100.00 12 8 2 5202.04 29.82 232.91 175.38 87.80 13 34 45 4602.0 29.19 224.16
 110.00 3 59 20 1655.85 -20.84 359.13 164.27 117.73 4 26 56 1055.9 -16.96 352.15
 110.00 13 30 16 4944.75 33.91 213.08 175.09 85.39 14 52 41 4344.8 32.90 203.99

DIFFERENTIAL CORRECTIONS

TDE -.0085 TRA -1.1946 TC3 -.4180 BAU .3079
 RDE -.4350 RRA .2319 RC3 .1409 FAU .12848
 FDE .2532 FRA -1.7799 FC3 -2.1211 BSP 3106
 BDE .4351 BRA 1.2169 BC3 .4392 FSP -921

MID-COURSE EXECUTION ACCURACY

SGT 1139.1 SGR 442.0 SG3 293.7
 RRT -.6000 RRF -.6431 RTF .8374
 SGB 1221.9 R23 .1128 R13 -.8482
 SG1 1172.6 SG2 343.5 TMA 165.64

ORBIT DETERMINATION ACCURACY

ST 290.6 SR 348.8 SS 172.0
 CRT -.1394 CRS .5546 CST -.8910
 LSA 383.2 MSA 297.4 SSA 19.8
 EL1 355.6 EL2 282.3 ALF 108.61

LAUNCH DATE DEC 30 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 261.279

RL 147.11 LAL .00 LOL 98.09 VL 29.427 GAL -13.52 AZL 87.65 MCA 122.73 SMA 141.43 ECC .23702 INC 2.3467 V1 30.285
 RP 108.20 LAP 1.97 LOP 220.85 VP 38.919 GAP 1.86 A7P 91.27 TAL 247.00 TAP 9.73 RCA 107.91 APO 174.95 V2 35.023
 RC 88.623 GL 9.44 GP 14.22 ZAL 163.22 ZAP 104.40 ETS 1.06 ZAE 155.69 ETE 158.41 ZAC 29.58 ETC 173.48 CLP-104.87

PLANETOCENTRIC CONIC

C3 51.072 VHL 7.146 DLA -12.32 RAL 292.26 RAD 6568.9 VEL 13.131 PTH 2.40 VHP 4.123 DPA -9.01 RAP 296.26 ECC 1.8405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 38 2054.97 -15.40 31.62 166.92 114.06 2 27 53 1455.0 -12.02 24.57
 90.00 10 40 51 5484.50 28.29 253.73 175.53 88.67 12 12 16 4884.5 27.80 245.10
 100.00 3 8 40 1812.91 -16.79 13.16 166.26 115.10 3 38 53 1212.9 -13.27 6.14
 100.00 12 8 31 5201.80 29.82 232.89 175.48 87.79 13 35 12 4601.8 29.19 224.14
 110.00 4 2 39 1643.80 -20.46 358.40 164.33 118.00 4 30 3 1043.8 -16.55 351.46
 110.00 13 31 0 4943.67 33.90 213.00 175.19 85.34 14 53 24 4343.7 32.89 203.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0078 TRA-1.2668 TC3 -.4849 BAU .3472 SGT 1249.5 SGR 442.5 SG3 292.7 ST 312.6 SR 338.4 SS 167.7
 RDE -.4159 RRA .2336 RC3 .1531 FAU .12688 RRT -.6310 RRF -.6699 RTF .8500 CRT -.1512 CRS .5389 CST -.9038
 FDE .2277 FRA-1.7219 FC3-2.1507 BSP 3494 SGB 1325.3 R23 .1186 R13 -.8591 LSA 384.3 MSA 303.8 SSA 19.9
 BDE .4160 BRA 1.2882 BC3 .5085 FSP -.925 SG1 1282.7 SG2 334.4 THA 166.47 EL1 352.4 EL2 296.8 ALF 121.15

LAUNCH DATE DEC 30 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 267.470

RL 147.11 LAL .00 LOL 98.09 VL 29.363 GAL -13.34 AZL 87.76 MCA 125.94 SMA 140.87 ECC .23479 INC 2.2437 V1 30.285
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.859 GAP 2.28 A7P 91.32 TAL 246.08 TAP 12.02 RCA 107.79 APO 173.94 V2 35.010
 RC 90.946 GL 9.13 GP 14.63 ZAL 162.96 ZAP 108.31 ETS 2.24 ZAE 153.02 ETE 159.50 ZAC 28.71 ETC 174.31 CLP-108.95

PLANETOCENTRIC CONIC

C3 49.695 VHL 7.049 DLA -12.55 RAL 292.81 RAD 6568.8 VEL 13.079 PTH 2.39 VHP 4.158 DPA -8.71 RAP 295.36 ECC 1.8179
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 46 2040.57 -15.00 30.76 167.03 114.30 2 31 46 1440.6 -11.60 23.73
 90.00 10 41 10 5485.28 28.29 253.79 175.67 88.70 12 12 36 4885.3 27.81 245.16
 100.00 3 12 39 1798.95 -16.39 12.32 166.36 115.35 3 42 38 1199.0 -12.84 5.33
 100.00 12 8 58 5202.13 29.82 232.91 175.62 87.80 13 35 40 4602.1 29.19 224.16
 110.00 4 6 20 1630.81 -20.04 357.63 164.42 118.29 4 33 31 1030.8 -16.10 350.72
 110.00 13 31 46 4943.04 33.90 212.95 175.33 85.32 14 54 9 4343.0 32.88 203.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0098 TRA-1.3367 TC3 -.5559 BAU .3853 SGT 1361.3 SGR 442.2 SG3 289.4 ST 334.8 SR 327.0 SS 162.7
 RDE -.3958 RRA .2336 RC3 .1652 FAU .12424 RRT -.6586 RRF -.6959 RTF .8590 CRT -.1560 CRS .5258 CST -.9116
 FDE .2035 FRA-1.6473 FC3-2.1844 BSP 3876 SGB 1431.3 R23 .1274 R13 -.8669 LSA 390.0 MSA 305.0 SSA 19.9
 BDE .3959 BRA 1.3570 BC3 .5799 FSP -.913 SG1 1393.9 SG2 325.0 THA 167.22 EL1 356.1 EL2 303.7 ALF 139.32

LAUNCH DATE DEC 30 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 273.628

RL 147.11 LAL .00 LOL 98.09 VL 29.297 GAL -13.16 AZL 87.87 MCA 129.14 SMA 140.29 ECC .23260 INC 2.1321 V1 30.285
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.797 GAP 2.67 A7P 91.35 TAL 245.10 TAP 14.23 RCA 107.66 APO 172.92 V2 34.996
 RC 93.279 GL 8.78 GP 15.08 ZAL 162.67 ZAP 111.96 ETS 3.50 ZAE 150.52 ETE 160.25 ZAC 28.07 ETC 175.22 CLP-112.78

PLANETOCENTRIC CONIC

C3 48.309 VHL 6.950 DLA -12.80 RAL 293.42 RAD 6568.8 VEL 13.026 PTH 2.38 VHP 4.205 DPA -8.34 RAP 294.68 ECC 1.7950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 22 2024.78 -14.56 29.81 167.18 114.56 2 36 7 1424.8 -11.12 22.81
 90.00 10 41 24 5486.95 28.29 253.91 175.86 88.76 12 12 51 4886.9 27.82 245.28
 100.00 3 17 6 1783.69 -15.94 11.41 166.50 115.63 3 46 50 1183.7 -12.36 4.45
 100.00 12 9 22 5203.27 29.82 233.00 175.81 87.84 13 36 5 4603.3 29.20 224.25
 110.00 4 10 26 1616.65 -19.58 356.78 164.55 118.60 4 37 23 1016.7 -15.61 349.91
 110.00 13 32 31 4943.07 33.90 212.95 175.52 85.32 14 54 54 4343.1 32.88 203.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0198 TRA-1.4040 TC3 -.6293 BAU .4224 SGT 1474.5 SGR 441.7 SG3 285.1 ST 357.3 SR 314.0 SS 156.9
 RDE -.3740 RRA .2328 RC3 .1781 FAU .12117 RRT -.6851 RRF -.7219 RTF .8656 CRT -.1534 CRS .5022 CST -.9206
 FDE .1730 FRA-1.5676 FC3-2.1714 BSP 4267 SGB 1539.2 R23 .1379 R13 -.8727 LSA 399.8 MSA 301.0 SSA 19.9
 BDE .3744 BRA 1.4232 BC3 .6540 FSP -.904 SG1 1506.7 SG2 314.9 THA 167.87 EL1 368.3 EL2 301.0 ALF 155.08

LAUNCH DATE DEC 30 1965

FLIGHT TIME 92.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 279.754

RL 147.11 LAL .00 LOL 98.09 VL 29.228 GAL -12.98 AZL 87.99 MCA 132.33 SMA 139.69 ECC .23045 INC 2.0100 V1 30.285
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.733 GAP 3.05 A7P 91.35 TAL 244.06 TAP 16.39 RCA 107.50 APO 171.89 V2 34.983
 RC 95.621 GL 8.39 GP 15.59 ZAL 162.35 ZAP 115.35 ETS 4.83 ZAE 148.20 ETE 160.73 ZAC 27.67 ETC 176.25 CLP-116.39

PLANETOCENTRIC CONIC

C3 46.915 VHL 6.849 DLA -13.10 RAL 294.08 RAD 6568.8 VEL 12.972 PTH 2.37 VHP 4.264 DPA -7.89 RAP 294.23 ECC 1.7721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 33 2007.27 -14.06 28.76 167.36 114.84 2 41 1 1407.3 -10.59 21.80
 90.00 10 41 28 5489.79 28.30 254.12 176.09 88.86 12 12 58 4889.8 27.84 245.49
 100.00 3 22 5 1766.80 -15.44 10.41 166.68 115.92 3 51 32 1166.8 -11.83 3.48
 100.00 12 9 37 5205.50 29.83 233.16 176.04 87.93 13 36 22 4605.5 29.22 224.41
 110.00 4 15 1 1601.05 -19.07 355.86 164.71 118.92 4 41 42 1001.1 -15.06 349.03
 110.00 13 33 11 4944.00 33.90 213.02 175.76 85.36 14 55 35 4344.0 32.89 203.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0259 TRA-1.4679 TC3 -.7053 BAU .4584 SGT 1588.5 SGR 441.0 SG3 279.6 ST 379.9 SR 299.7 SS 150.7
 RDE -.3510 RRA .2310 RC3 .1917 FAU .11764 RRT -.7101 RRF -.7479 RTF .8704 CRT -.1439 CRS .4704 CST -.9295
 FDE .1394 FRA-1.4817 FC3-2.1708 BSP 4664 SGB 1648.6 R23 .1508 R13 -.8768 LSA 413.3 MSA 292.6 SSA 20.0
 BDE .3519 BRA 1.4859 BC3 .7309 FSP -.891 SG1 1620.2 SG2 304.4 THA 168.43 EL1 385.9 EL2 292.0 ALF 164.51

LAUNCH DATE DEC 30 1965

FLIGHT TIME 94.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.157 GAL -12.79 AZL 88.13 MCA 135.53 SMA 139.09 ECC .22835 INC 1.8749 V1 30.285
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.668 GAP 3.41 AZP 91.34 TAL 242.96 TAP 18.49 RCA 107.33 APO 170.85 V2 34.970
 RC 97.969 GL 7.93 GP 16.18 ZAL 162.00 ZAP 118.48 ETS 6.28 ZAE 146.03 ETE 160.97 ZAC 27.49 ETC 177.41 CLP-119.77

PLANETOCENTRIC CONIC
 C3 45.513 VHL 6.746 DLA -13.45 RAL 294.79 RAD 6568.7 VEL 12.918 PTH 2.35 VHP 4.331 DPA -7.32 RAP 293.98 ECC 1.7490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 26 1987.59 -13.49 27.60 167.58 115.13 2 46 34 1387.6 -10.00 20.66
 90.00 10 41 15 5494.24 28.30 254.45 176.38 89.03 12 12 49 4894.2 27.87 245.81
 100.00 3 27 44 1747.86 -14.88 9.29 166.89 116.23 3 56 52 1147.9 -11.23 2.39
 100.00 12 9 38 5209.20 29.84 233.44 176.34 88.08 13 36 27 4609.2 29.25 224.68
 110.00 4 20 9 1583.68 -18.49 354.84 164.91 119.27 4 46 33 983.7 -14.45 348.06
 110.00 13 33 42 4946.15 33.92 213.19 176.07 85.46 14 56 8 4346.2 32.92 204.10

DIFFERENTIAL CORRECTIONS
 TDE -.0407 TRA-1.5276 TC3 -.7841 BAU .4933 SGT 1702.9 SGR 440.6 SG3 273.4 ST 402.9 SR 283.9 SS 144.1
 RDE -.3267 RRA .2282 RC3 .2063 FAU .11377 RRT -.7339 RRF -.7741 RTF .8737 CRT -.1276 CRS .4283 CST -.9388
 FDE .1031 FRA-1.3915 FC3-2.1641 BSP 5063 SGB 1759.0 R23 .1667 R13 -.8797 LSA 429.6 MSA 280.6 SSA 20.1
 BDE .3292 BRA 1.5445 BC3 .8108 FSP -876 SGI 1734.3 SG2 293.9 TMA 168.93 EL1 406.1 EL2 279.5 ALF 170.17

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.084 GAL -12.59 AZL 88.28 MCA 138.72 SMA 138.47 ECC .22629 INC 1.7236 V1 30.285
 RP 108.41 LAP 1.14 LOP 236.83 VP 38.601 GAP 3.75 AZP 91.30 TAL 241.81 TAP 20.53 RCA 107.14 APO 169.80 V2 34.957
 RC 100.323 GL 7.39 GP 16.87 ZAL 161.61 ZAP 121.35 ETS 7.86 ZAE 144.01 ETE 160.99 ZAC 27.53 ETC 178.71 CLP-122.93

PLANETOCENTRIC CONIC
 C3 44.103 VHL 6.641 DLA -13.87 RAL 295.55 RAD 6568.7 VEL 12.863 PTH 2.34 VHP 4.408 DPA -6.64 RAP 293.93 ECC 1.7258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 10 1965.14 -12.84 26.27 167.85 115.46 2 52 55 1365.1 -9.31 19.37
 90.00 10 40 37 5500.87 28.31 254.93 176.74 89.27 12 12 18 4900.9 27.91 246.29
 100.00 3 34 11 1726.33 -14.22 8.02 167.15 116.57 4 2 57 1126.3 -10.54 1.16
 100.00 12 9 17 5214.92 29.85 233.86 176.70 88.30 13 36 12 4614.9 29.29 225.10
 110.00 4 26 0 1564.04 -17.84 353.70 165.15 119.66 4 52 4 964.0 -13.75 346.97
 110.00 13 33 58 4949.97 33.94 213.49 176.45 85.63 14 56 28 4350.0 32.96 204.38

DIFFERENTIAL CORRECTIONS
 TDE -.0596 TRA-1.5813 TC3 -.8649 BAU .5265 SGT 1815.8 SGR 440.5 SG3 265.7 ST 426.1 SR 267.2 SS 137.2
 RDE -.3018 RRA .2237 RC3 .2218 FAU .10939 RRT -.7555 RRF -.8002 RTF .8754 CRT -.1060 CRS .3834 CST -.9461
 FDE .0694 FRA-1.2934 FC3-2.1473 BSP 5433 SGB 1868.5 R23 .1866 R13 -.8811 LSA 447.8 MSA 266.3 SSA 20.1
 BDE .3076 BRA 1.5971 BC3 .8929 FSP -848 SGI 1846.8 SG2 283.7 TMA 169.36 EL1 427.6 EL2 264.8 ALF 173.82

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 29.010 GAL -12.38 AZL 88.45 MCA 141.91 SMA 137.85 ECC .22429 INC 1.5519 V1 30.285
 RP 108.44 LAP .96 LOP 240.01 VP 38.534 GAP 4.07 AZP 91.22 TAL 240.61 TAP 22.52 RCA 106.93 APO 168.77 V2 34.945
 RC 102.682 GL 6.74 GP 17.68 ZAL 161.20 ZAP 123.96 ETS 9.61 ZAE 142.12 ETE 160.81 ZAC 27.78 ETC 180.18 CLP-125.90

PLANETOCENTRIC CONIC
 C3 42.688 VHL 6.534 DLA -14.38 RAL 296.38 RAD 6568.6 VEL 12.808 PTH 2.33 VHP 4.493 DPA -5.80 RAP 294.04 ECC 1.7025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 27 59 1939.12 -12.07 24.74 168.17 115.81 3 0 19 1339.1 -8.50 17.88
 90.00 10 39 23 5510.47 28.31 255.63 177.17 89.62 12 11 14 4910.5 27.96 246.99
 100.00 3 41 39 1701.44 -13.46 6.56 167.47 116.94 4 10 1 1101.4 -9.74 359.75
 100.00 12 8 25 5223.38 29.86 234.49 177.14 88.63 13 35 28 4623.4 29.35 225.72
 110.00 4 32 43 1541.51 -17.07 352.40 165.44 120.07 4 58 24 941.5 -12.95 345.72
 110.00 13 33 50 4956.08 33.97 213.96 176.91 85.91 14 56 26 4356.1 33.03 204.85

DIFFERENTIAL CORRECTIONS
 TDE -.0857 TRA-1.6301 TC3 -.9498 BAU .5590 SGT 1929.7 SGR 441.8 SG3 258.1 ST 450.6 SR 248.6 SS 130.7
 RDE -.2751 RRA .2186 RC3 .2394 FAU .10504 RRT -.7766 RRF -.8267 RTF .8766 CRT -.0760 CRS .3101 CST -.9577
 FDE .0277 FRA-1.1979 FC3-2.1303 BSP 5828 SGB 1979.7 R23 .2093 R13 -.8821 LSA 468.6 MSA 248.9 SSA 20.3
 BDE .2881 BRA 1.6447 BC3 .9795 FSP -827 SGI 1960.6 SG2 273.9 TMA 169.72 EL1 451.2 EL2 247.6 ALF 176.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 28.934 GAL -12.17 AZL 88.65 MCA 145.10 SMA 137.22 ECC .22234 INC 1.3539 V1 30.285
 RP 108.48 LAP .77 LOP 243.20 VP 38.485 GAP 4.38 AZP 91.11 TAL 239.36 TAP 24.46 RCA 106.71 APO 167.73 V2 34.932
 RC 105.043 GL 5.97 GP 18.67 ZAL 160.75 ZAP 126.30 ETS 11.59 ZAE 140.32 ETE 160.40 ZAC 28.23 ETC 181.85 CLP-128.68

PLANETOCENTRIC CONIC
 C3 41.272 VHL 6.424 DLA -15.00 RAL 297.27 RAD 6568.6 VEL 12.753 PTH 2.32 VHP 4.588 DPA -4.78 RAP 294.31 ECC 1.6792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 15 1908.38 -11.16 22.95 168.57 116.20 3 9 3 1308.4 -7.55 16.13
 90.00 10 37 17 5524.19 28.32 256.64 177.70 90.12 12 9 21 4924.2 28.03 247.98
 100.00 3 50 27 1672.16 -12.55 4.87 167.85 117.35 4 18 19 1072.2 -8.79 358.10
 100.00 12 6 45 5235.64 29.88 235.40 177.69 89.11 13 34 1 4635.6 29.44 226.62
 110.00 4 40 33 1515.22 -16.17 350.90 165.79 120.54 5 5 49 915.2 -12.00 344.28
 110.00 13 33 9 4965.34 34.01 214.68 177.50 86.34 14 55 54 4365.3 33.13 205.55

DIFFERENTIAL CORRECTIONS
 TDE -.1182 TRA-1.6711 TC3-1.0376 BAU .5901 SGT 2041.9 SGR 444.3 SG3 249.6 ST 476.4 SR 228.6 SS 124.8
 RDE -.2475 RRA .2117 RC3 .2587 FAU .10036 RRT -.7953 RRF -.8526 RTF .8767 CRT -.0393 CRS .2198 CST -.9685
 FDE -.0143 FRA-1.0970 FC3-2.1052 BSP 6192 SGB 2089.7 R23 .2366 R13 -.8822 LSA 491.7 MSA 229.3 SSA 20.5
 BDE .2743 BRA 1.6844 BC3 1.0694 FSP -797 SGI 2072.8 SG2 265.3 TMA 170.02 EL1 476.5 EL2 228.4 ALF 178.60

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 309.972

RL 147.11 LAL .00 LOL 98.09 VL 28.857 GAL -11.96 AZL 88.88 MCA 148.28 SMA 136.60 ECC .22045 INC 1.1222 V1 30.285
 RP 108.52 LAP .59 LOP 246.38 VP 38.397 GAP 4.67 AZP 90.95 TAL 238.08 TAP 26.36 RCA 106.48 APO 166.71 V2 34.920
 RC 107.406 GL 5.02 GP 19.86 ZAL 160.26 ZAP 128.37 ETS 13.84 ZAE 138.59 ETE 159.77 ZAC 28.88 ETC 183.76 CLP-131.30

PLANETOCENTRIC CONIC

C3 39.859 VHL 6.313 OLA -15.79 RAL 298.25 RAD 6568.5 VEL 12.698 PTM 2.31 VHP 4.693 OPA -3.52 RAP 294.70 ECC 1.6560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 25 1871.25 -10.03 20.80 169.07 116.62 3 19 37 1271.5 -6.38 14.03
 90.00 10 33 53 5543.73 28.31 258.07 178.36 90.84 12 6 17 4943.7 28.12 249.41
 100.00 4 1 2 1636.96 -11.44 2.84 168.34 117.80 4 28 19 1037.0 -7.63 356.13
 100.00 12 3 58 5253.26 29.89 236.71 178.37 89.80 13 31 31 4653.3 29.54 227.92
 110.00 4 49 53 1483.94 -15.08 349.13 166.23 121.05 5 14 37 883.9 -10.85 342.57
 110.00 13 31 36 4979.04 34.06 215.75 178.24 86.96 14 54 35 4379.0 33.27 206.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1615 TRA-1.7053 TC3-1.1309 BAU .6210 SGT 2155.7 SGR 449.4 SG3 241.0 ST 506.1 SR 206.1 SS 121.4
 RDE -.2177 RRA .2039 RC3 .2811 FAU .09570 RRT -.8124 RRF -.8783 RTF .8768 CRT .0063 CRS .0881 CST -.9799
 FDE -.0653 FRA -.9990 FC3-2.0786 BSP 6591 SGB 2202.1 R23 .2668 R13 -.8824 LSA 519.9 MSA 206.4 SSA 20.8
 BDE .2711 BRA 1.7175 BC3 1.1653 FSP -773 SGI 2186.9 SG2 258.3 TMA 170.25 EL1 506.1 EL2 206.1 ALF .18

LAUNCH DATE DEC 30 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 315.944

RL 147.11 LAL .00 LOL 98.09 VL 28.780 GAL -11.74 AZL 89.16 MCA 151.46 SMA 135.97 ECC .21863 INC .8445 V1 30.285
 RP 108.56 LAP .40 LOP 249.56 VP 38.328 GAP 4.95 AZP 90.74 TAL 236.75 TAP 28.21 RCA 106.24 APO 165.70 V2 34.909
 RC 109.770 GL 3.84 GP 21.34 ZAL 159.71 ZAP 130.11 ETS 16.44 ZAE 136.88 ETE 158.88 ZAC 29.74 ETC 185.97 CLP-133.77

PLANETOCENTRIC CONIC

C3 38.459 VHL 6.202 OLA -16.80 RAL 299.33 RAD 6568.5 VEL 12.642 PTM 2.29 VHP 4.812 OPA -1.97 RAP 295.17 ECC 1.6329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 19 1825.20 -8.62 18.16 169.72 117.08 3 32 45 1225.2 -4.92 11.44
 90.00 10 28 34 5571.72 28.26 260.11 179.19 91.87 12 1 26 4971.7 28.22 251.45
 100.00 4 14 7 1593.55 -10.05 .37 168.96 118.30 4 40 40 993.5 -6.19 353.71
 100.00 11 59 28 5278.60 29.88 238.60 179.24 90.79 13 27 26 4678.6 29.67 229.80
 110.00 5 1 16 1445.82 -13.73 347.00 166.79 121.62 5 25 22 845.8 -9.45 340.52
 110.00 13 28 48 4999.10 34.13 217.31 179.18 87.89 14 52 7 4399.1 33.46 208.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2170 TRA-1.7297 TC3-1.2287 BAU .6512 SGT 2269.2 SGR 457.7 SG3 231.9 ST 541.4 SR 180.9 SS 122.3
 RDE -.1857 RRA .1943 RC3 .3069 FAU .09087 RRT -.8268 RRF -.9027 RTF .8765 CRT .0584 CRS -.0762 CST -.9839
 FDE -.1235 FRA -.8994 FC3-2.0455 BSP 6985 SGB 2314.9 R23 .3000 R13 -.8823 LSA 554.7 MSA 180.6 SSA 21.2
 BDE .2857 BRA 1.7406 BC3 1.2664 FSP -747 SGI 2300.9 SG2 253.9 TMA 170.42 EL1 541.5 EL2 180.6 ALF 1.26

LAUNCH DATE DEC 30 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 321.896

RL 147.11 LAL .00 LOL 98.09 VL 28.702 GAL -11.51 AZL 89.50 MCA 154.64 SMA 135.35 ECC .21688 INC .5040 V1 30.285
 RP 108.59 LAP .22 LOP 252.73 VP 38.259 GAP 5.22 AZP 90.46 TAL 235.38 TAP 30.03 RCA 106.00 APO 164.70 V2 34.897
 RC 112.133 GL 2.33 GP 23.19 ZAL 159.07 ZAP 131.49 ETS 19.49 ZAE 135.13 ETE 157.70 ZAC 30.82 ETC 188.54 CLP-136.12

PLANETOCENTRIC CONIC

C3 37.088 VHL 6.090 OLA -18.11 RAL 300.53 RAD 6568.4 VEL 12.588 PTM 2.28 VHP 4.949 OPA -.04 RAP 295.68 ECC 1.6104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 15 1766.06 -6.77 14.80 170.61 117.56 3 49 41 1166.1 -3.02 8.12
 90.00 10 20 15 5612.52 28.13 263.09 180.26 93.35 11 53 47 5012.5 28.30 254.43
 100.00 4 30 51 1538.25 -8.25 357.25 169.81 118.83 4 56 29 938.2 -4.34 350.65
 100.00 11 52 20 5315.56 29.82 241.34 180.35 92.23 13 20 55 4715.6 29.81 232.54
 110.00 5 15 37 1398.00 -12.01 344.37 167.56 122.25 5 38 55 798.0 -7.66 337.96
 110.00 13 24 4 5028.57 34.18 219.61 180.42 89.25 14 47 52 4428.6 33.69 210.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2882 TRA-1.7408 TC3-1.3298 BAU .6801 SGT 2380.3 SGR 469.0 SG3 221.4 ST 585.8 SR 152.6 SS 129.5
 RDE -.1512 RRA .1816 RC3 .3360 FAU .08558 RRT -.8365 RRF -.9249 RTF .8756 CRT .1130 CRS -.2468 CST -.9751
 FDE -.1868 FRA -.7933 FC3-1.9976 BSP 7346 SGB 2426.1 R23 .3358 R13 -.8817 LSA 599.5 MSA 152.5 SSA 21.9
 BDE .3255 BRA 1.7503 BC3 1.3716 FSP -711 SGI 2412.8 SG2 253.6 TMA 170.53 EL1 586.0 EL2 151.6 ALF 1.81

LAUNCH DATE DEC 30 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 327.828

RL 147.11 LAL .00 LOL 98.09 VL 28.624 GAL -11.27 AZL 89.93 MCA 157.82 SMA 134.73 ECC .21519 INC .0720 V1 30.285
 RP 108.63 LAP .03 LOP 255.91 VP 38.190 GAP 5.48 AZP 90.07 TAL 233.99 TAP 31.80 RCA 105.74 APO 163.73 V2 34.886
 RC 114.493 GL .34 GP 25.54 ZAL 158.28 ZAP 132.41 ETS 23.10 ZAE 133.24 ETE 156.17 ZAC 32.17 ETC 191.60 CLP-138.37

PLANETOCENTRIC CONIC

C3 35.781 VHL 5.982 OLA -19.86 RAL 301.91 RAD 6568.4 VEL 12.536 PTM 2.27 VHP 5.115 OPA 2.41 RAP 296.19 ECC 1.5889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 38 1886.42 -4.24 10.31 171.90 118.02 4 12 44 1086.4 -.46 3.68
 90.00 10 6 53 5674.02 27.81 267.56 181.63 95.57 11 41 27 5074.0 28.29 258.93
 100.00 4 53 21 1464.67 -5.81 353.15 171.04 119.37 5 17 45 864.7 -1.86 346.60
 100.00 11 40 51 5371.01 29.60 245.45 181.81 94.98 13 10 22 4771.0 29.89 236.66
 110.00 5 34 28 1335.78 -9.72 340.99 168.65 122.93 5 56 44 735.8 -5.32 334.67
 110.00 13 16 13 5072.66 34.16 223.06 182.08 91.29 14 40 45 4472.7 33.96 213.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3848 TRA-1.7373 TC3-1.4356 BAU .7092 SGT 2493.2 SGR 486.0 SG3 210.2 ST 648.3 SR 118.9 SS 149.0
 RDE -.1114 RRA .1660 RC3 .3703 FAU .08003 RRT -.8423 RRF -.9448 RTF .8753 CRT .1522 CRS -.3893 CST -.9552
 FDE -.2659 FRA -.6866 FC3-1.9363 BSP 7739 SGB 2540.1 R23 .3701 R13 -.8817 LSA 664.1 MSA 122.8 SSA 22.7
 BDE .4006 BRA 1.7452 BC3 1.4826 FSP -678 SGI 2526.9 SG2 258.5 TMA 170.58 EL1 648.5 EL2 117.5 ALF 1.65

LAUNCH DATE DEC 30 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 333.741

RL 147.11 LAL .00 LOL 98.09 VL 28.545 GAL -11.03 AZL 90.49 MCA 160.99 SMA 134.12 ECC .21358 INC .4920 V1 30.285
 RP 108.66 LAP -.16 LOP 259.08 VP 38.121 GAP 5.72 AZP 89.53 TAL 232.55 TAP 33.54 RCA 105.48 APO 162.77 V2 34.875
 RC 116.852 GL -2.35 GP 28.61 ZAL 157.19 ZAP 132.70 ETS 27.41 ZAE 131.08 ETE 154.23 ZAC 33.86 ETC 195.28 CLP-140.57

PLANETOCENTRIC CONIC

C3 34.610 VML 5.883 DLA -22.28 RAL 303.55 RAD 6568.4 VEL 12.489 PTH 2.26 VMP 5.328 OPA 5.57 RAP 296.60 ECC 1.5896
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 20 41 1570.63 -.51 3.84 173.99 118.31 4 46 52 970.6 3.28 357.21
 90.00 9 43 56 5773.00 26.95 274.67 183.41 99.04 11 20 9 5173.0 27.92 266.14
 100.00 5 25 55 1360.09 -2.29 347.38 173.00 119.81 5 48 35 760.1 1.69 340.86
 100.00 11 21 23 5458.78 28.97 251.89 183.75 97.72 12 52 22 4858.8 29.73 243.17
 110.00 6 0 51 1250.58 -6.54 336.45 170.37 123.63 6 21 42 650.6 -2.08 330.21
 110.00 13 2 57 5141.05 33.93 228.38 184.36 94.43 14 28 38 4541.1 34.17 219.15

DIFFERENTIAL CORRECTIONS

TDE -.5185 TRA-1.7122 TC3-1.5414 BAU .7379
 RDE -.0639 RRA .1453 RC3 .4093 FAU .07380
 FDE -.3615 FRA -.5741 FC3-1.8461 BSP 8133
 BDE .5224 BRA 1.7184 BC3 1.5948 FSP -639

MID-COURSE EXECUTION ACCURACY

SGT 2606.0 SGR 509.1 SG3 197.2
 RRT -.8423 RRF -.9611 RTF .8754
 SGB 2655.3 R23 .4001 R13 -.8824
 SG1 2641.5 SG2 270.7 TMA 170.56

ORBIT DETERMINATION ACCURACY

ST 741.7 SR 78.7 SS 184.7
 CRT .1002 CR5 -.4009 CST -.9383
 LSA 761.9 MSA 97.3 SSA 22.6
 EL1 741.8 EL2 78.3 ALF .62

LAUNCH DATE DEC 30 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 339.636

RL 147.11 LAL .00 LOL 98.09 VL 28.467 GAL -10.78 AZL 91.27 MCA 164.16 SMA 133.52 ECC .21204 INC 1.2749 V1 30.285
 RP 108.69 LAP -.35 LOP 262.25 VP 38.053 GAP 5.95 AZP 88.77 TAL 231.09 TAP 35.25 RCA 105.21 APO 161.83 V2 34.865
 RC 119.206 GL -6.15 GP 32.70 ZAL 155.49 ZAP 132.09 ETS 32.56 ZAE 128.40 ETE 151.82 ZAC 36.05 ETC 199.81 CLP-142.80

PLANETOCENTRIC CONIC

C3 33.745 VML 5.809 DLA -25.74 RAL 305.63 RAD 6568.3 VEL 12.455 PTH 2.25 VMP 5.623 OPA 9.74 RAP 296.78 ECC 1.5554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 45 1370.01 5.93 352.82 177.98 117.74 5 47 35 770.0 9.60 345.86
 90.00 8 56 28 672.80 24.27 309.86 185.38 105.06 9 7 41 72.8 26.10 301.67
 100.00 6 20 16 1190.72 3.44 338.08 176.62 119.71 6 40 7 590.7 7.37 331.50
 100.00 10 43 38 5615.36 27.01 263.11 186.15 103.31 12 17 13 5015.4 28.58 254.66
 110.00 6 41 33 1123.95 -1.73 329.81 173.40 124.14 7 0 17 524.0 2.76 323.60
 110.00 12 38 51 5254.89 32.99 237.13 187.55 99.52 14 6 25 4654.9 33.95 228.02

DIFFERENTIAL CORRECTIONS

TDE -.7118 TRA-1.6539 TC3-1.6362 BAU .7655
 RDE -.0039 RRA .1151 RC3 .4501 FAU .06639
 FDE -.4757 FRA -.4499 FC3-1.7033 BSP 8504
 BDE .7118 BRA 1.6578 BC3 1.6969 FSP -585

MID-COURSE EXECUTION ACCURACY

SGT 2717.6 SGR 537.9 SG3 180.8
 RRT -.8342 RRF -.9729 RTF .8763
 SGB 2770.4 R23 .4230 R13 -.8839
 SG1 2754.9 SG2 292.6 TMA 170.52

ORBIT DETERMINATION ACCURACY

ST 889.5 SR 41.1 SS 240.7
 CRT -.5115 CR5 .2305 CST -.9372
 LSA 918.2 MSA 86.9 SSA 18.4
 EL1 889.8 EL2 35.3 ALF 178.64

LAUNCH DATE DEC 30 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 345.512

RL 147.11 LAL .00 LOL 98.09 VL 28.388 GAL -10.52 AZL 92.44 MCA 167.32 SMA 132.92 ECC .21057 INC 2.4350 V1 30.285
 RP 108.72 LAP -.53 LOP 265.42 VP 37.986 GAP 6.18 AZP 87.62 TAL 229.59 TAP 36.91 RCA 104.93 APO 160.91 V2 34.856
 RC 121.557 GL -11.80 GP 38.31 ZAL 152.52 ZAP 130.12 ETS 38.73 ZAE 124.77 ETE 148.97 ZAC 39.04 ETC 205.47 CLP-145.22

PLANETOCENTRIC CONIC

C3 33.642 VML 5.800 DLA -30.92 RAL 308.54 RAD 6568.3 VEL 12.450 PTH 2.25 VMP 6.080 OPA 15.38 RAP 296.47 ECC 1.5537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.03 5 38 48 1353.02 17.73 357.44 186.25 115.75 6 1 21 753.0 21.05 350.14
 102.97 9 5 34 688.24 17.74 308.39 186.26 115.75 9 17 2 88.2 21.06 301.09
 77.03 5 38 48 1353.02 17.73 357.44 186.25 115.75 6 1 21 753.0 21.05 350.14
 102.97 9 5 34 688.24 17.74 308.39 186.26 115.75 9 17 2 88.2 21.06 301.09
 110.00 7 59 36 894.98 6.99 317.82 180.01 123.55 8 14 31 295.0 11.35 311.44
 110.00 11 43 57 5482.33 29.18 253.73 191.34 108.64 13 15 20 4882.3 31.45 245.26

DIFFERENTIAL CORRECTIONS

TDE -1.0170 TRA-1.5422 TC3-1.6926 BAU .7918
 RDE .0802 RRA .0692 RC3 .4844 FAU .05740
 FDE -.6199 FRA -.3156 FC3-1.4771 BSP 8905
 BDE 1.0202 BRA 1.5438 BC3 1.7606 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 2831.7 SGR 573.1 SG3 160.3
 RRT -.8162 RRF -.9784 RTF .8802
 SGB 2889.1 R23 .4330 R13 -.8886
 SG1 2870.5 SG2 326.6 TMA 170.50

ORBIT DETERMINATION ACCURACY

ST 1138.7 SR 84.4 SS 327.8
 CRT -.9704 CR5 .9863 CST -.9517
 LSA 1183.8 MSA 98.3 SSA 10.7
 EL1 1141.6 EL2 20.3 ALF 175.88

LAUNCH DATE DEC 30 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 351.366

RL 147.11 LAL .00 LOL 98.09 VL 28.310 GAL -10.25 AZL 94.35 MCA 170.47 SMA 132.33 ECC .20917 INC 4.3478 V1 30.285
 RP 108.75 LAP -.72 LOP 268.59 VP 37.919 GAP 6.39 AZP 85.71 TAL 228.06 TAP 38.54 RCA 104.65 APO 160.01 V2 34.846
 RC 123.903 GL -20.68 GP 46.27 ZAL 146.76 ZAP 126.03 ETS 46.11 ZAE 119.41 ETE 145.98 ZAC 43.35 ETC 212.72 CLP-148.32

PLANETOCENTRIC CONIC

C3 35.770 VML 5.981 DLA -39.05 RAL 313.32 RAD 6568.4 VEL 12.536 PTH 2.27 VMP 6.902 OPA 23.23 RAP 295.08 ECC 1.5887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.91 4 28 15 1640.74 21.34 22.17 194.50 123.50 4 55 36 1040.7 25.59 15.19
 118.09 10 54 17 5719.54 21.36 268.36 194.51 123.50 12 29 37 5119.5 25.61 261.39
 61.91 4 28 15 1640.74 21.34 22.17 194.50 123.50 4 55 36 1040.7 25.59 15.19
 118.09 10 54 17 5719.54 21.36 268.36 194.51 123.50 12 29 37 5119.5 25.61 261.39
 61.91 4 28 15 1640.74 21.34 22.17 194.50 123.50 4 55 36 1040.7 25.59 15.19
 118.09 10 54 17 5719.54 21.36 268.36 194.51 123.50 12 29 37 5119.5 25.61 261.39

DIFFERENTIAL CORRECTIONS

TDE -1.5595 TRA-1.3242 TC3-1.6286 BAU .8116
 RDE .2046 RRA -.0105 RC3 .4776 FAU .04586
 FDE -.7943 FRA -.1644 FC3-1.1100 BSP 9316
 BDE 1.5729 BRA 1.3242 BC3 1.6971 FSP -438

MID-COURSE EXECUTION ACCURACY

SGT 2948.7 SGR 604.1 SG3 133.4
 RRT -.7772 RRF -.9705 RTF .8907
 SGB 3009.9 R23 .4239 R13 -.8995
 SG1 2986.5 SG2 375.3 TMA 170.81

ORBIT DETERMINATION ACCURACY

ST 1573.4 SR 196.8 SS 455.9
 CRT -.9428 CR5 .9945 CST -.9720
 LSA 1645.5 MSA 120.2 SSA 5.0
 EL1 1584.3 EL2 65.1 ALF 173.26

LAUNCH DATE DEC 30 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 28.232 GAL -9.98 AZL 98.12 HCA 173.60 SMA 131.75 ECC .20780 INC 8.1163 V1 30.285
 RP 108.78 LAP -.90 LOP 271.76 VP 37.853 GAP 6.59 ATP 81.93 TAL 226.50 TAP 40.11 RCA 104.38 APO 159.13 V2 34.838
 RC 126.245 GL -35.11 GP 57.78 ZAL 135.33 ZAP 118.67 ETS 55.70 ZAE 110.84 ETE 144.66 ZAC 49.83 ETC 222.91 CLP -154.15

PLANETOCENTRIC CONIC

C3 46.580 VML 6.825 DLA -51.74 RAL 323.89 RAD 6568.7 VEL 12.959 PTH 2.36 VMP 8.739 DPA 34.28 RAP 290.94 ECC 1.7666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.70 4 4 41 1878.92 23.68 46.22 213.64 137.45 4 36 0 1278.9 29.45 40.44
 135.30 12 42 11 5614.55 23.69 260.90 213.65 137.45 14 15 46 5014.6 29.46 255.11
 44.70 4 4 41 1878.92 23.68 46.22 213.64 137.45 4 36 0 1278.9 29.45 40.44
 135.30 12 42 11 5614.55 23.69 260.90 213.65 137.45 14 15 46 5014.6 29.46 255.11
 44.70 4 4 41 1878.92 23.68 46.22 213.64 137.45 4 36 0 1278.9 29.45 40.44
 135.30 12 42 11 5614.55 23.69 260.90 213.65 137.45 14 15 46 5014.6 29.46 255.11

DIFFERENTIAL CORRECTIONS

TDE -2.7419 TRA -.8318 TC3 -1.2413 BAU .8006
 RDE .3369 RRA -.1670 RC3 .3348 FAU .03107
 FDE -.9948 FRA .0118 FC3 -.5776 BSP 9716
 BDE 2.7625 BRA .8485 BC3 1.2856 FSP -324

MID-COURSE EXECUTION ACCURACY

SGT 3072.6 SGR 583.2 SG3 99.2
 RRT -.6529 RRF -.8959 RTF .9181
 SGB 3127.4 R23 .3749 R13 -.9250
 SGI 3096.6 SG2 438.3 THA 172.79

ORBIT DETERMINATION ACCURACY

ST 2327.1 SR 291.2 SS 630.8
 CRT -.9278 CRS .9735 CST -.9885
 LSA 2424.6 MSA 139.8 SSA 2.0
 EL1 2342.8 EL2 107.9 ALF 173.36

LAUNCH DATE DEC 30 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 28.155 GAL -9.68 AZL 108.85 HCA 176.65 SMA 131.19 ECC .20630 INC 18.8478 V1 30.285
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.788 GAP 6.76 ATP 71.18 TAL 224.88 TAP 41.54 RCA 104.12 APO 158.25 V2 34.830
 RC 128.581 GL -55.42 GP 72.99 ZAL 115.54 ZAP 107.01 ETS 80.32 ZAE 95.58 ETE 159.76 ZAC 59.00 ETC 249.55 CLP 179.40

PLANETOCENTRIC CONIC

C3 118.600 VML 10.890 DLA -64.76 RAL 357.80 RAD 6570.2 VEL 15.490 PTH 2.76 VMP 14.724 DPA 48.55 RAP 276.69 ECC 2.9519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.97 5 38 21 2175.76 14.52 68.64 260.77 153.87 6 14 36 1575.8 21.67 65.27
 151.03 15 39 5 5748.80 14.53 263.13 260.80 153.87 17 14 54 5148.8 21.68 259.77
 28.97 5 38 21 2175.76 14.52 68.64 260.77 153.87 6 14 36 1575.8 21.67 65.27
 151.03 15 39 5 5748.80 14.53 263.13 260.80 153.87 17 14 54 5148.8 21.68 259.77
 28.97 5 38 21 2175.76 14.52 68.64 260.77 153.87 6 14 36 1575.8 21.67 65.27
 151.03 15 39 5 5748.80 14.53 263.13 260.80 153.87 17 14 54 5148.8 21.68 259.77

DIFFERENTIAL CORRECTIONS

TDE -5.3876 TRA .8564 TC3 -.3479 BAU .5522
 RDE -1.3385 RRA -.1535 RC3 .0147 FAU .01300
 FDE -1.1443 FRA .2959 FC3 -.0949 BSP 9381
 BDE 5.5514 BRA .8700 BC3 .3482 FSP -194

MID-COURSE EXECUTION ACCURACY

SGT 3118.5 SGR 729.9 SG3 63.4
 RRT -.7783 RRF .6500 RTF .9827
 SGB 3202.8 R23 -.2088 R13 .9776
 SGI 3170.9 SG2 450.8 THA 10.54

ORBIT DETERMINATION ACCURACY

ST 2852.3 SR 706.5 SS 778.5
 CRT .9816 CRS -.9662 CST -.9976
 LSA 3036.4 MSA 144.0 SSA .8
 EL1 2935.5 EL2 131.1 ALF 13.69

LAUNCH DATE DEC 30 1965

FLIGHT TIME 124.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 28.002 GAL -9.21 AZL 65.65 HCA 183.47 SMA 130.08 ECC .20566 INC 24.3498 V1 30.285
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.661 GAP 7.28 ATP 114.31 TAL 221.87 TAP 45.34 RCA 103.33 APO 156.83 V2 34.816
 RC 133.236 GL 59.30 GP -71.01 ZAL 109.59 ZAP 108.99 ETS 259.98 ZAE 92.39 ETE 183.62 ZAC 85.93 ETC 95.41 CLP -179.92

PLANETOCENTRIC CONIC

C3 175.674 VML 13.254 DLA 42.72 RAL 305.67 RAD 6570.9 VEL 17.234 PTH 2.94 VMP 14.307 DPA -84.34 RAP 84.48 ECC 3.8911
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.57 15 32 14 4704.59 -7.57 215.82 207.40 47.83 16 50 38 4104.6 -12.89 210.16
 123.43 22 45 19 3364.23 -7.56 112.84 207.39 47.83 23 41 24 2764.2 -12.88 107.18
 56.57 15 32 14 4704.59 -7.57 215.82 207.40 47.83 16 50 38 4104.6 -12.89 210.16
 123.43 22 45 19 3364.23 -7.56 112.84 207.39 47.83 23 41 24 2764.2 -12.88 107.18
 56.57 15 32 14 4704.59 -7.57 215.82 207.40 47.83 16 50 38 4104.6 -12.89 210.16
 123.43 22 45 19 3364.23 -7.56 112.84 207.39 47.83 23 41 24 2764.2 -12.88 107.18

DIFFERENTIAL CORRECTIONS

TDE 5.1418 TRA -3.1572 TC3 -.1468 BAU .3489
 RDE -2.2453 RRA 2.5179 RC3 .0232 FAU .01177
 FDE 1.3986 FRA -.6757 FC3 -.0580 BSP 10318
 BDE 5.6107 BRA 4.0383 BC3 .1486 FSP -210

MID-COURSE EXECUTION ACCURACY

SGT 2922.8 SGR 1772.2 SG3 63.9
 RRT -.9524 RRF -.9041 RTF .9908
 SGB 3418.1 R23 -.2099 R13 -.9769
 SGI 3386.1 SG2 466.2 THA 149.35

ORBIT DETERMINATION ACCURACY

ST 2291.6 SR 1067.5 SS 761.8
 CRT -.9832 CRS .9726 CST -.9987
 LSA 2633.6 MSA 187.4 SSA 1.1
 EL1 2521.8 EL2 177.3 ALF 155.26

LAUNCH DATE DEC 30 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 27.926 GAL -8.89 AZL 75.79 HCA 186.52 SMA 129.54 ECC .20447 INC 14.2052 V1 30.285
 RP 108.87 LAP -1.60 LOP 284.41 VP 37.599 GAP 7.44 ATP 104.12 TAL 220.19 TAP 46.71 RCA 103.06 APO 156.03 V2 34.809
 RC 135.553 GL 50.65 GP -54.76 ZAL 119.25 ZAP 122.73 ETS 290.36 ZAE 107.62 ETE 206.75 ZAC 76.65 ETC 125.16 CLP -159.57

PLANETOCENTRIC CONIC

C3 76.661 VML 8.756 DLA 32.66 RAL 303.84 RAD 6569.5 VEL 14.072 PTH 2.57 VMP 8.805 DPA -72.78 RAP 342.50 ECC 2.2616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.00 16 50 45 4285.80 -11.95 185.07 194.59 59.38 18 2 10 3685.8 -15.93 178.34
 107.00 21 12 15 3449.59 -11.93 123.00 194.58 59.37 22 9 45 2849.6 -15.91 116.26
 73.00 16 50 45 4285.80 -11.95 185.07 194.59 59.38 18 2 10 3685.8 -15.93 178.34
 107.00 21 12 15 3449.59 -11.93 123.00 194.58 59.37 22 9 45 2849.6 -15.91 116.26
 110.00 22 48 3 3154.46 -20.56 105.25 199.61 62.07 23 40 37 2554.5 -24.13 97.93
 110.00 20 14 7 3628.93 -3.59 131.50 189.25 55.98 21 14 36 3028.9 -8.03 125.23

DIFFERENTIAL CORRECTIONS

TDE 3.1179 TRA -3.2971 TC3 -.7023 BAU .7204
 RDE .1121 RRA .5697 RC3 -.0280 FAU .02994
 FDE 1.2749 FRA -.6763 FC3 -.3381 BSP 10859
 BDE 3.1199 BRA 3.3460 BC3 .7029 FSP -332

MID-COURSE EXECUTION ACCURACY

SGT 3499.1 SGR 451.5 SG3 99.4
 RRT -.5854 RRF -.2745 RTF .9386
 SGB 3528.1 R23 -.3466 R13 -.9359
 SGI 3509.1 SG2 365.0 THA 175.63

ORBIT DETERMINATION ACCURACY

ST 2180.7 SR 151.8 SS 646.0
 CRT .1438 CRS -.3125 CST -.9850
 LSA 2271.9 MSA 184.2 SSA 1.5
 EL1 2180.8 EL2 150.2 ALF .58

LAUNCH DATE DEC 30 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 386.528

RL 147.11 LAL .00 LOL 98.09 VL 27.851 GAL -8.58 AZL 79.44 HCA 189.65 SMA 129.02 ECC .20361 INC10.5610 V1 30.285
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.538 GAP 7.61 AZP 100.42 TAL 218.52 TAP 48.16 RCA 102.75 APO 155.29 V2 34.804
 RC 137.863 GL 44.03 GP -42.53 ZAL 124.53 ZAP 132.65 ETS 299.51 ZAE 116.04 ETE 207.05 ZAC 70.39 ETC 134.28 CLP-156.84

PLANETOCENTRIC CONIC

C3 52.742 VHL 7.262 DLA 26.05 RAL 305.18 RAD 6568.9 VEL 13.195 PTH 2.41 VMP 7.195 DPA -60.44 RAP 333.46 ECC 1.8680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 46 7 3451.45 -21.59 127.77 192.80 71.22 21 43 38 2851.4 -23.96 119.90
 90.00 17 27 35 4104.01 -3.06 166.62 184.61 61.83 18 35 59 3504.0 -6.80 159.94
 100.00 22 34 52 3100.86 -24.67 103.07 193.90 72.56 23 26 33 2500.9 -26.82 94.93
 100.00 18 21 31 3929.83 -2.22 152.26 183.04 60.11 19 27 1 3329.8 -4.20 145.73
 110.00 0 35 46 2734.87 -31.21 77.40 196.03 75.29 1 21 21 2134.9 -32.91 68.60
 110.00 18 41 2 3868.58 5.56 144.03 179.45 56.22 19 45 31 3268.6 1.08 137.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2631 TRA-2.9997 TC3-1.1644 BAU .8224 SGT 3603.8 SGR 318.6 SG3 129.0 ST 1953.2 SR 197.8 SS 611.1
 ROE .2332 RRA .2750 RC3 -.0664 FAU .04136 RRT -.1259 RRF .2870 RTF .9081 CRT .7026 CRS -.8531 CST -.9706
 FOE 1.2266 FRA -.6444 FC3 -.6788 BSP 11273 SGB 3617.8 R23 -.4054 R13 -.9078 LSA 2046.6 MSA 196.6 SSA 2.5
 BOE 2.2751 BRA 3.0123 BC3 1.1663 FSP -429 SG1 3604.0 SG2 316.0 THA 179.36 EL1 1958.1 EL2 140.4 ALF 4.09

LAUNCH DATE DEC 30 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 392.305

RL 147.11 LAL .00 LOL 98.09 VL 27.777 GAL -8.26 AZL 81.31 HCA 192.79 SMA 128.51 ECC .20292 INC 8.6929 V1 30.285
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.479 GAP 7.78 AZP 98.48 TAL 216.83 TAP 49.62 RCA 102.43 APO 154.58 V2 34.799
 RC 140.164 GL 39.54 GP -34.06 ZAL 127.31 ZAP 139.53 ETS 305.34 ZAE 120.94 ETE 204.35 ZAC 66.91 ETC 140.10 CLP-156.67

PLANETOCENTRIC CONIC

C3 42.590 VHL 6.526 DLA 21.84 RAL 306.91 RAD 6568.6 VEL 12.805 PTH 2.33 VMP 6.561 DPA -51.66 RAP 331.15 ECC 1.7009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 1 1 3161.03 -26.59 108.00 190.59 79.88 22 53 42 2561.0 -27.71 99.51
 90.00 16 26 27 4287.40 2.86 176.86 180.29 61.82 17 37 54 3687.4 -.93 170.23
 100.00 23 37 45 2849.16 -28.63 85.44 190.98 81.01 24 25 14 2249.2 -29.57 76.77
 100.00 17 32 25 4074.50 4.67 160.21 179.29 60.44 18 40 19 3474.5 .70 153.67
 110.00 1 21 59 2535.33 -33.69 62.39 191.77 83.83 2 4 15 1935.3 -34.18 53.18
 110.00 18 8 35 3961.10 9.03 148.94 176.61 56.89 19 14 36 3361.1 4.61 142.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8474 TRA-2.8059 TC3-1.5339 BAU .8741 SGT 3698.9 SGR 274.4 SG3 148.0 ST 1807.8 SR 197.8 SS 581.2
 ROE .2168 RRA .1899 RC3 -.0633 FAU .04775 RRT -.0027 RRF .4206 RTF .8910 CRT .7436 CRS -.9051 CST -.9572
 FOE 1.1517 FRA -.5848 FC3 -.9707 BSP 11626 SGB 3709.1 R23 -.4230 R13 -.8909 LSA 1898.2 MSA 205.3 SSA 3.8
 BOE 1.8601 BRA 2.8123 BC3 1.5352 FSP -491 SG1 3698.9 SG2 274.4 THA 179.99 EL1 1813.8 EL2 131.8 ALF 4.68

LAUNCH DATE DEC 30 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 398.081

RL 147.11 LAL .00 LOL 98.09 VL 27.704 GAL -7.94 AZL 82.45 HCA 195.94 SMA 128.00 ECC .20237 INC 7.5536 V1 30.285
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.421 GAP 7.95 AZP 97.27 TAL 215.13 TAP 51.07 RCA 102.10 APO 153.90 V2 34.795
 RC 142.456 GL 36.42 GP -28.08 ZAL 128.62 ZAP 144.41 ETS 309.83 ZAE 123.88 ETE 201.40 ZAC 65.28 ETC 144.52 CLP-157.18

PLANETOCENTRIC CONIC

C3 36.906 VHL 6.075 DLA 19.10 RAL 308.69 RAD 6568.4 VEL 12.581 PTH 2.28 VMP 6.279 DPA -45.27 RAP 330.82 ECC 1.6074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 40 16 3006.90 -27.95 96.93 188.72 85.26 23 30 23 2406.9 -28.31 88.29
 90.00 16 1 23 4369.18 5.47 181.44 178.93 62.17 17 14 12 3769.2 1.71 174.79
 100.00 0 17 19 2706.64 -29.70 74.99 188.87 86.40 1 2 25 2106.6 -29.88 66.19
 100.00 17 10 57 4144.67 7.01 164.10 178.09 60.87 18 20 2 3544.7 3.07 157.53
 110.00 1 51 3 2413.39 -34.18 52.91 189.06 89.42 2 31 16 1813.4 -33.88 43.68
 110.00 17 53 43 4010.69 10.86 151.61 175.76 57.39 19 0 34 3410.7 6.49 145.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6084 TRA-2.6651 TC3-1.8446 BAU .9103 SGT 3794.7 SGR 244.9 SG3 159.0 ST 1715.4 SR 191.2 SS 555.4
 ROE .1969 RRA .1515 RC3 -.0422 FAU .05083 RRT -.0061 RRF .4094 RTF .8803 CRT .7490 CRS -.9242 CST -.9451
 FOE 1.0722 FRA -.5140 FC3 -1.1925 BSP 11956 SGB 3802.6 R23 -.4148 R13 -.8803 LSA 1800.7 MSA 212.0 SSA 5.0
 BOE 1.6204 BRA 2.6694 BC3 1.8450 FSP -526 SG1 3794.7 SG2 244.9 THA 179.98 EL1 1721.4 EL2 126.3 ALF 4.80

LAUNCH DATE DEC 30 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 403.853

RL 147.11 LAL .00 LOL 98.09 VL 27.632 GAL -7.62 AZL 83.22 HCA 199.09 SMA 127.51 ECC .20194 INC 6.7828 V1 30.285
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.364 GAP 8.12 AZP 96.41 TAL 213.41 TAP 52.51 RCA 101.76 APO 153.26 V2 34.791
 RC 144.737 GL 34.18 GP -23.73 ZAL 129.03 ZAP 148.04 ETS 313.45 ZAE 125.72 ETE 198.79 ZAC 64.82 ETC 148.04 CLP-157.94

PLANETOCENTRIC CONIC

C3 33.154 VHL 5.758 DLA 17.30 RAL 310.48 RAD 6568.3 VEL 12.431 PTH 2.25 VMP 6.153 DPA -40.44 RAP 331.37 ECC 1.5456
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 6 7 2909.26 -28.29 89.81 187.67 88.81 23 54 36 2309.3 -28.16 81.15
 90.00 15 49 50 4412.69 6.85 183.90 178.67 62.46 17 3 22 3812.7 3.11 177.22
 100.00 0 41 23 2614.71 -29.89 68.17 187.69 89.99 1 24 58 2014.7 -29.57 59.37
 100.00 17 1 11 4182.47 8.26 166.22 177.91 61.17 18 10 53 3582.5 4.35 159.61
 110.00 2 11 37 2332.41 -34.05 46.59 187.56 93.16 2 50 29 1732.4 -33.24 37.44
 110.00 17 47 26 4037.54 11.84 153.07 175.76 57.70 18 54 44 3437.5 7.50 146.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4598 TRA-2.5484 TC3-2.1188 BAU .9392 SGT 3888.2 SGR 228.1 SG3 164.7 ST 1658.4 SR 188.7 SS 535.7
 ROE .1853 RRA .1278 RC3 -.0151 FAU .05186 RRT -.0489 RRF .3451 RTF .8726 CRT .7544 CRS -.9384 CST -.9343
 FOE 1.0021 FRA -.4390 FC3 -1.3542 BSP 12236 SGB 3894.8 R23 -.3884 R13 -.8725 LSA 1739.4 MSA 217.9 SSA 6.3
 BOE 1.4715 BRA 2.5516 BC3 2.1189 FSP -540 SG1 3888.2 SG2 227.9 THA 179.84 EL1 1664.5 EL2 123.4 ALF 4.93

LAUNCH DATE DEC 30 1965 FLIGHT TIME 136.00 ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 27.560 GAL -7.29 AZL 83.78 MCA 202.25 SMA 127.03 ECC .20165 INC 6.2238 V1 30.285
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.309 GAP 8.29 A7P 95.76 TAL 211.68 TAP 53.93 RCA 101.41 APO 152.64 V2 34.788
 RC 147.008 GL 32.51 GP -20.47 ZAL 128.84 ZAP 150.87 ETS 316.40 ZAE 126.91 ETE 196.60 ZAC 65.11 ETC 150.90 CLP-158.80

PLANETOCENTRIC CONIC
 C3 30.404 VHL 5.514 DLA 16.12 RAL 312.29 RAD 6568.2 VEL 12.320 PTH 2.22 VMP 6.107 DPA -36.62 RAP 332.41 ECC 1.5004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 24 48 2843.53 -28.29 85.00 187.27 91.22 24 12 11 2243.5 -27.82 76.37
 90.00 15 45 36 4434.85 7.54 185.16 178.96 62.63 16 59 31 3834.9 3.82 178.46
 100.00 0 59 4 2552.20 -29.80 63.52 187.22 92.43 1 41 36 1952.2 -29.15 54.78
 100.00 16 57 57 4201.41 8.88 167.28 178.25 61.34 18 7 58 3601.4 4.98 160.66
 110.00 2 27 15 2276.28 -33.76 42.23 186.89 95.72 3 5 11 1676.3 -32.60 33.19
 110.00 17 46 15 4050.10 12.30 153.76 176.21 57.85 18 53 45 3450.1 7.97 147.35

MID-COURSE EXECUTION ACCURACY
 SGT 3982.3 SGR 221.4 SG3 167.6
 RRT -.0938 RRF .2651 RTF .8672
 SGB 3988.4 R23 -.3483 R13 -.8671
 SGI 3982.3 SG2 220.4 TMA 179.70

ORBIT DETERMINATION ACCURACY
 ST 1624.2 SR 190.2 SS 520.2
 CRT .7450 CRS -.9514 CST -.9253
 LSA 1701.6 MSA 222.3 SSA 7.6
 EL1 1630.8 EL2 122.0 ALF 5.15

DIFFERENTIAL CORRECTIONS
 TOE 1.3618 TRA-2.4454 TC3-2.3750 BAU .9854
 RDE .1799 RRA .1091 RC3 .0122 FAU .05184
 FDE .9407 FRA -.3680 FC3-1.4761 BSP 12542
 BDE 1.3736 BRA 2.4478 BC3 2.3750 FSP -548

LAUNCH DATE DEC 30 1965 FLIGHT TIME 138.00 ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 27.490 GAL -6.94 AZL 84.20 MCA 205.41 SMA 126.56 ECC .20149 INC 5.7977 V1 30.285
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.255 GAP 8.46 A7P 95.24 TAL 209.93 TAP 55.34 RCA 101.06 APO 152.06 V2 34.786
 RC 149.266 GL 31.25 GP -17.94 ZAL 128.21 ZAP 153.16 ETS 318.81 ZAE 127.73 ETE 194.79 ZAC 65.90 ETC 153.27 CLP-159.70

PLANETOCENTRIC CONIC
 C3 28.242 VHL 5.514 DLA 15.39 RAL 314.14 RAD 6568.1 VEL 12.232 PTH 2.20 VMP 6.105 DPA -33.50 RAP 333.74 ECC 1.4648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 39 5 2798.30 -28.18 81.70 187.36 92.87 24 25 43 2198.3 -27.49 73.10
 90.00 15 46 4 4443.15 7.80 185.63 179.59 62.69 17 0 7 3843.2 4.08 178.93
 100.00 1 12 46 2508.83 -29.63 60.31 187.26 94.11 1 54 35 1908.8 -28.75 51.62
 100.00 16 59 0 4207.85 9.09 167.64 178.90 61.40 18 9 7 3607.9 5.20 161.01
 110.00 2 39 46 2236.66 -33.45 39.18 186.81 97.50 3 17 2 1636.7 -32.05 30.23
 110.00 17 48 30 4052.79 12.40 153.91 176.93 57.89 18 56 2 3452.8 8.07 147.49

MID-COURSE EXECUTION ACCURACY
 SGT 4079.1 SGR 222.0 SG3 168.9
 RRT -.1274 RRF .1879 RTF .8638
 SGB 4085.1 R23 -.3007 R13 -.8637
 SGI 4079.2 SG2 220.2 TMA 179.60

ORBIT DETERMINATION ACCURACY
 ST 1604.7 SR 194.9 SS 507.5
 CRT .7798 CRS -.9632 CST -.9180
 LSA 1679.3 MSA 225.3 SSA 8.9
 EL1 1612.0 EL2 121.4 ALF 5.44

DIFFERENTIAL CORRECTIONS
 TOE 1.2940 TRA-2.3504 TC3-2.6251 BAU .9913
 RDE .1784 RRA .0924 RC3 .0378 FAU .05130
 FDE .8861 FRA -.3033 FC3-1.5725 BSP 12925
 BDE 1.3063 BRA 2.3522 BC3 2.6254 FSP -557

LAUNCH DATE DEC 30 1965 FLIGHT TIME 140.00 ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 27.420 GAL -6.60 AZL 84.54 MCA 208.57 SMA 126.10 ECC .20147 INC 5.4604 V1 30.285
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.202 GAP 8.63 A7P 94.80 TAL 208.17 TAP 56.73 RCA 100.69 APO 151.50 V2 34.785
 RC 151.511 GL 30.26 GP -15.95 ZAL 127.24 ZAP 155.09 ETS 320.78 ZAE 128.30 ETE 193.28 ZAC 67.04 ETC 155.26 CLP-160.61

PLANETOCENTRIC CONIC
 C3 26.460 VHL 5.144 DLA 14.98 RAL 316.04 RAD 6568.1 VEL 12.159 PTH 2.18 VMP 6.131 DPA -30.86 RAP 335.27 ECC 1.4355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 50 26 2767.41 -28.06 79.45 187.83 93.99 24 36 33 2167.4 -27.21 70.89
 90.00 15 49 53 4441.62 7.76 185.54 180.45 62.68 17 3 55 3841.6 4.03 178.84
 100.00 1 23 49 2478.93 -29.47 58.10 187.70 95.26 2 5 8 1878.9 -28.43 49.45
 100.00 17 3 7 4205.34 9.01 167.50 179.78 61.38 18 13 12 3605.3 5.12 160.87
 110.00 2 50 9 2208.77 -33.18 37.05 187.16 98.73 3 26 58 1608.8 -31.62 28.17
 110.00 17 53 15 4048.27 12.23 153.66 177.85 57.83 19 0 44 3448.3 7.90 147.25

MID-COURSE EXECUTION ACCURACY
 SGT 4183.3 SGR 227.2 SG3 169.5
 RRT -.1467 RRF .1200 RTF .8628
 SGB 4189.5 R23 -.2496 R13 -.8627
 SGI 4183.4 SG2 224.7 TMA 179.54

ORBIT DETERMINATION ACCURACY
 ST 1593.4 SR 201.5 SS 495.2
 CRT .7967 CRS -.9730 CST -.9125
 LSA 1665.4 MSA 226.4 SSA 10.3
 EL1 1601.6 EL2 121.2 ALF 5.79

DIFFERENTIAL CORRECTIONS
 TOE 1.2437 TRA-2.2621 TC3-2.8799 BAU 1.0190
 RDE .1793 RRA .0765 RC3 .0610 FAU .05063
 FDE .8345 FRA -.2479 FC3-1.6366 BSP 13440
 BDE 1.2565 BRA 2.2634 BC3 2.8805 FSP -574

LAUNCH DATE DEC 30 1965 FLIGHT TIME 142.00 ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 27.351 GAL -6.24 AZL 84.81 MCA 211.72 SMA 125.65 ECC .20157 INC 5.1851 V1 30.285
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.151 GAP 8.79 A7P 94.41 TAL 206.39 TAP 58.11 RCA 100.32 APO 150.98 V2 34.784
 RC 153.743 GL 29.47 GP -14.34 ZAL 126.00 ZAP 156.75 ETS 322.38 ZAE 128.73 ETE 192.04 ZAC 68.43 ETC 156.95 CLP-161.50

PLANETOCENTRIC CONIC
 C3 24.942 VHL 4.994 DLA 14.82 RAL 318.01 RAD 6568.0 VEL 12.096 PTH 2.17 VMP 6.175 DPA -28.56 RAP 336.93 ECC 1.4105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 3 37 2747.31 -27.95 77.99 188.60 94.72 0 49 25 2147.3 -27.01 69.45
 90.00 15 56 20 4432.52 7.47 185.03 181.51 62.61 17 10 12 3832.5 3.74 178.33
 100.00 1 32 58 2459.19 -29.34 56.65 188.46 96.02 2 13 57 1859.2 -28.19 48.03
 100.00 17 9 41 4195.87 8.70 166.97 180.85 61.29 18 19 36 3595.9 4.80 160.35
 110.00 2 59 4 2189.78 -32.97 35.61 187.87 99.56 3 35 34 1589.8 -31.30 26.78
 110.00 18 0 4 4038.05 11.86 153.10 178.96 57.70 19 7 22 3438.1 7.52 146.71

MID-COURSE EXECUTION ACCURACY
 SGT 4229.8 SGR 240.8 SG3 166.1
 RRT -.1530 RRF .0914 RTF .8526
 SGB 4236.7 R23 -.2249 R13 -.8525
 SGI 4230.0 SG2 238.0 TMA 179.50

ORBIT DETERMINATION ACCURACY
 ST 1625.1 SR 212.6 SS 507.3
 CRT .8260 CRS -.9841 CST -.9099
 LSA 1700.0 MSA 231.5 SSA 11.1
 EL1 1634.7 EL2 119.1 ALF 6.20

DIFFERENTIAL CORRECTIONS
 TOE 1.2497 TRA-2.1334 TC3-3.0737 BAU 1.0253
 RDE .1842 RRA .0643 RC3 .0867 FAU .04793
 FDE .8263 FRA -.1568 FC3-1.6637 BSP 13041
 BDE 1.2632 BRA 2.1344 BC3 3.0749 FSP -511

LAUNCH DATE DEC 30 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 432.611

RL 147.11 LAL .00 LOL 98.09 VL 27.284 GAL -5.97 AZL 85.05 MCA 214.88 SMA 125.21 ECC .20184 INC 4.9549 V1 30.285
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.101 GAP 8.96 AZP 94.07 TAL 204.60 TAP 59.48 RCA 99.94 APO 150.48 V2 34.784
 RC 155.962 GL 28.83 GP -13.01 ZAL 124.54 ZAP 158.23 ETS 323.68 ZAE 129.06 ETE 190.99 ZAC 70.01 ETC 158.40 CLP-162.39

PLANETOCENTRIC CONIC

C3 23.627 VHL 4.861 DLA 14.87 RAL 320.06 RAD 6568.0 VEL 12.042 PTH 2.15 VMP 6.232 DPA -26.52 RAP 338.70 ECC 1.3888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 11 24 2735.57 -27.88 77.14 189.65 95.14 0 56 59 2135.6 -26.88 68.61
 90.00 16 4 53 4417.69 7.01 184.18 182.75 62.49 17 18 31 3817.7 3.27 177.50
 100.00 1 40 46 2447.35 -29.25 55.78 189.49 96.47 2 21 33 1847.3 -28.04 47.18
 100.00 17 18 12 4181.14 6.21 166.14 182.10 61.16 18 27 53 3581.1 4.30 199.54
 110.00 3 6 56 2177.72 -32.83 34.69 188.88 100.09 3 43 14 1577.7 -31.10 25.90
 110.00 18 8 31 4023.53 11.33 152.31 180.23 57.53 19 15 35 3423.5 6.97 145.93

DIFFERENTIAL CORRECTIONS

TDE 1.2328 TRA-2.0375 TC3-3.3238 BAU 1.0504
 RDE .1876 RRA .0497 RC3 .1058 FAU .04684
 FDE .7886 FRA -.1064 FC3-1.7161 BSP 13511
 BDE 1.2470 BRA 2.0381 BC3 3.3255 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 4327.5 SGR 251.3 SG3 165.4
 RRT -.1485 RRF .0543 RTF .8528
 SGB 4334.8 R23 -.1834 R13 -.8527
 SG1 4327.6 SG2 248.6 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 1636.1 SR 222.0 SS 501.7
 CRT .8470 CRS -.9901 CST -.9084
 LSA 1710.2 MSA 230.1 SSA 12.4
 EL1 1646.9 EL2 117.2 ALF 6.59

LAUNCH DATE DEC 30 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 438.339

RL 147.11 LAL .00 LOL 98.09 VL 27.217 GAL -5.50 AZL 85.24 MCA 218.04 SMA 124.78 ECC .20225 INC 4.7585 V1 30.285
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.053 GAP 9.13 AZP 93.75 TAL 202.79 TAP 60.83 RCA 99.55 APO 150.02 V2 34.785
 RC 158.168 GL 28.30 GP -11.91 ZAL 122.86 ZAP 159.56 ETS 324.71 ZAE 129.32 ETE 190.11 ZAC 71.73 ETC 159.66 CLP-163.26

PLANETOCENTRIC CONIC

C3 22.471 VHL 4.740 DLA 15.07 RAL 322.19 RAD 6567.9 VEL 11.994 PTH 2.14 VMP 6.298 DPA -24.66 RAP 340.54 ECC 1.3698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 18 1 2730.79 -27.85 76.79 190.94 95.31 1 3 31 2130.8 -26.83 68.27
 90.00 16 15 19 4398.03 6.39 183.07 184.17 62.35 17 28 37 3798.0 2.64 176.40
 100.00 1 47 32 2442.08 -29.21 55.39 190.78 96.67 2 28 14 1842.1 -27.98 46.80
 100.00 17 28 29 4161.98 7.58 165.07 183.52 61.00 18 37 51 3562.0 3.66 158.48
 110.00 3 14 2 2171.44 -32.76 34.22 190.16 100.36 3 50 13 1571.4 -30.98 25.45
 110.00 18 18 28 4005.38 10.67 151.33 181.66 57.33 19 25 14 3405.4 6.29 144.97

DIFFERENTIAL CORRECTIONS

TDE 1.2321 TRA-1.9319 TC3-3.5677 BAU 1.0725
 RDE .1919 RRA .0359 RC3 .1236 FAU .04542
 FDE .7804 FRA -.0537 FC3-1.7499 BSP 13875
 BDE 1.2469 BRA 1.9322 BC3 3.5699 FSP -524

MID-COURSE EXECUTION ACCURACY

SGT 4416.6 SGR 263.7 SG3 164.0
 RRT -.1371 RRF .0316 RTF .8522
 SGB 4424.5 R23 -.1502 R13 -.8521
 SG1 4416.8 SG2 261.2 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 1659.6 SR 232.4 SS 501.0
 CRT .8694 CRS -.9944 CST -.9087
 LSA 1734.1 MSA 228.1 SSA 13.6
 EL1 1671.9 EL2 114.0 ALF 6.97

LAUNCH DATE DEC 30 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 444.060

RL 147.11 LAL .00 LOL 98.09 VL 27.151 GAL -5.12 AZL 85.41 MCA 221.20 SMA 124.36 ECC .20282 INC 4.5879 V1 30.285
 RP 108.94 LAP -3.02 LOP 319.20 VP 37.006 GAP 9.31 AZP 93.46 TAL 200.98 TAP 62.18 RCA 99.14 APO 149.59 V2 34.787
 RC 160.359 GL 27.84 GP -10.98 ZAL 120.99 ZAP 160.77 ETS 325.51 ZAE 129.55 ETE 189.36 ZAC 73.57 ETC 160.76 CLP-164.12

PLANETOCENTRIC CONIC

C3 21.450 VHL 4.631 DLA 15.42 RAL 324.43 RAD 6567.9 VEL 11.951 PTH 2.13 VMP 6.373 DPA -22.95 RAP 342.45 ECC 1.3530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 23 44 2732.01 -27.86 76.88 192.47 95.27 1 9 16 2132.0 -26.84 68.36
 90.00 16 27 27 4374.31 5.64 181.73 185.78 62.20 17 40 21 3774.3 1.87 175.08
 100.00 1 53 31 2442.45 -29.21 55.42 192.31 96.65 2 34 14 1842.5 -27.98 46.83
 100.00 17 40 21 4139.10 6.83 163.79 185.13 60.83 18 49 20 3539.1 2.89 157.22
 110.00 3 20 34 2170.10 -32.74 34.12 191.69 100.42 3 56 44 1570.1 -30.96 25.35
 110.00 18 29 48 3984.22 9.89 150.18 183.27 57.11 19 36 12 3384.2 5.49 143.86

DIFFERENTIAL CORRECTIONS

TDE 1.2446 TRA-1.8167 TC3-3.8060 BAU 1.0922
 RDE .1965 RRA .0229 RC3 .1396 FAU .04382
 FDE .7386 FRA -.0003 FC3-1.7684 BSP 14151
 BDE 1.2600 BRA 1.8168 BC3 3.8085 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 4498.3 SGR 276.9 SG3 162.1
 RRT -.1204 RRF .0199 RTF .8513
 SGB 4506.8 R23 -.1236 R13 -.8512
 SG1 4498.4 SG2 274.9 THA 179.57

ORBIT DETERMINATION ACCURACY

ST 1694.4 SR 243.3 SS 503.8
 CRT .8920 CRS -.9969 CST -.9108
 LSA 1770.1 MSA 224.8 SSA 14.7
 EL1 1708.3 EL2 109.1 ALF 7.33

LAUNCH DATE DEC 30 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 449.771

RL 147.11 LAL .00 LOL 98.09 VL 27.086 GAL -4.72 AZL 85.56 MCA 224.36 SMA 123.95 ECC .20355 INC 4.4378 V1 30.285
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.980 GAP 9.48 AZP 93.18 TAL 199.15 TAP 63.51 RCA 98.72 APO 149.19 V2 34.789
 RC 162.536 GL 27.44 GP -10.19 ZAL 118.95 ZAP 161.90 ETS 326.10 ZAE 129.74 ETE 188.73 ZAC 75.49 ETC 161.73 CLP-164.96

PLANETOCENTRIC CONIC

C3 20.547 VHL 4.533 DLA 15.89 RAL 326.78 RAD 6567.8 VEL 11.913 PTH 2.12 VMP 6.455 DPA -21.34 RAP 344.39 ECC 1.3382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 28 46 2738.55 -27.90 77.35 194.23 95.04 1 14 24 2138.6 -26.91 68.83
 90.00 16 41 10 4347.12 4.77 180.20 187.57 62.05 17 53 37 3747.1 .99 173.56
 100.00 1 58 54 2447.83 -29.25 55.81 194.08 96.45 2 39 42 1847.8 -28.05 47.22
 100.00 17 53 42 4113.07 5.96 162.35 186.92 60.65 19 2 16 3513.1 2.01 155.79
 110.00 3 26 42 2173.13 -32.78 34.35 193.47 100.29 4 2 55 1573.1 -31.01 25.57
 110.00 18 42 24 3960.54 9.01 148.91 185.06 56.89 19 48 25 3360.5 4.59 142.61

DIFFERENTIAL CORRECTIONS

TDE 1.2662 TRA-1.6948 TC3-4.0427 BAU 1.1113
 RDE .2013 RRA .0103 RC3 .1535 FAU .04218
 FDE .7201 FRA .0509 FC3-1.7774 BSP 14428
 BDE 1.2821 BRA 1.6948 BC3 4.0456 FSP -512

MID-COURSE EXECUTION ACCURACY

SGT 4577.6 SGR 290.3 SG3 160.0
 RRT -.1002 RRF .0153 RTF .8509
 SGB 4586.8 R23 -.1014 R13 -.8509
 SG1 4577.6 SG2 288.9 THA 179.63

ORBIT DETERMINATION ACCURACY

ST 1737.8 SR 254.5 SS 508.4
 CRT .9135 CRS -.9976 CST -.9143
 LSA 1815.1 MSA 220.1 SSA 15.9
 EL1 1753.3 EL2 102.6 ALF 7.65

LAUNCH DATE DEC 30 1965

FLIGHT TIME 152.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 27.022 GAL -4.32 AZL 85.70 MCA 227.52 SMA 123.56 ECC .20446 INC 4.3034 V1 30.285
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.916 GAP 9.66 AZP 92.91 TAL 197.31 TAP 64.83 RCA 98.29 APO 148.82 V2 34.792
 RC 164.699 GL 27.06 GP -9.51 ZAL 116.73 ZAP 162.95 ETS 326.50 ZAE 129.92 ETE 188.18 ZAC 77.48 ETC 162.60 CLP-165.78

PLANETOCENTRIC CONIC

C3 19.752 VHL 4.444 DLA 16.45 RAL 329.25 RAD 6567.8 VEL 11.880 PTH 2.11 VMP 6.542 DPA -19.81 RAP 346.38 ECC 1.3251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 13 2749.97 -27.97 78.18 196.23 94.62 1 19 3 2150.0 -27.03 69.64
 90.00 16 56 25 4316.90 3.80 178.51 189.58 61.92 18 8 22 3716.9 .02 171.87
 100.00 2 3 49 2457.78 -29.33 56.54 196.08 96.07 2 44 47 1857.8 -28.18 47.93
 100.00 18 8 30 4084.33 5.00 160.75 188.92 60.49 19 16 34 3484.3 1.03 154.21
 110.00 3 32 34 2180.11 -32.86 34.87 195.50 99.98 4 8 54 1580.1 -31.14 26.08
 110.00 18 56 15 3934.76 8.05 147.53 187.04 56.67 20 1 49 3334.8 3.61 141.26

DIFFERENTIAL CORRECTIONS

TDE 1.2983 TRA-1.5624 TC3-4.2706 BAU 1.1286
 RDE .2062 RRA -.0015 RC3 .1655 FAU .04045
 FDE .7061 FRA .1026 FC3-1.7728 BSP 14628
 BDE 1.3145 BRA 1.5624 BC3 4.2738 FSP -502

MID-COURSE EXECUTION ACCURACY

SGT 4649.9 SGR 303.8 SG3 157.7
 RRT -.0773 RRF .0177 RTF .8503
 SGB 4659.8 R23 -.0840 R13 -.8503
 SG1 4650.0 SG2 302.9 TMA 179.71

ORBIT DETERMINATION ACCURACY

ST 1792.0 SR 265.8 S5 515.8
 CRT .9336 CRS -.9965 CST -.9191
 LSA 1871.3 MSA 214.3 S5A 16.9
 EL1 1809.2 EL2 94.3 ALF 7.91

LAUNCH DATE DEC 30 1965

FLIGHT TIME 154.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.960 GAL -3.91 AZL 85.82 MCA 230.68 SMA 123.17 ECC .20555 INC 4.1820 V1 30.285
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.874 GAP 9.85 AZP 92.65 TAL 195.46 TAP 66.14 RCA 97.85 APO 148.48 V2 34.796
 RC 166.847 GL 26.70 GP -8.91 ZAL 114.35 ZAP 163.94 ETS 326.73 ZAE 130.08 ETE 187.71 ZAC 79.54 ETC 163.37 CLP-166.59

PLANETOCENTRIC CONIC

C3 19.061 VHL 4.366 DLA 17.11 RAL 331.85 RAD 6567.8 VEL 11.851 PTH 2.10 VMP 6.636 DPA -18.36 RAP 348.40 ECC 1.3137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 13 2765.94 -28.05 79.34 198.46 94.05 1 23 19 2165.9 -27.19 70.78
 90.00 17 13 9 4284.06 2.75 176.67 191.79 61.81 18 24 33 3684.1 -1.04 170.04
 100.00 2 8 23 2471.95 -29.42 57.39 198.33 95.53 2 49 35 1871.9 -28.35 48.95
 100.00 18 24 40 4053.28 3.96 159.04 191.13 60.35 19 32 13 3453.3 -.02 152.51
 110.00 3 38 16 2190.73 -32.99 35.68 197.78 99.52 4 14 46 1590.7 -31.32 26.85
 110.00 19 11 17 3907.26 7.02 146.07 189.24 56.46 20 16 24 3307.3 2.56 139.82

DIFFERENTIAL CORRECTIONS

TDE 1.3344 TRA-1.4253 TC3-4.4980 BAU 1.1471
 RDE .2110 RRA -.0129 RC3 .1749 FAU .03885
 FDE .6914 FRA .1498 FC3-1.7644 BSP 14914
 BDE 1.3509 BRA 1.4254 BC3 4.5014 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 4724.7 SGR 316.8 SG3 155.5
 RRT -.0537 RRF .0216 RTF .8511
 SGB 4735.3 R23 -.0676 R13 -.8511
 SG1 4724.7 SG2 316.3 TMA 179.79

ORBIT DETERMINATION ACCURACY

ST 1850.7 SR 277.0 S5 522.1
 CRT .9509 CRS -.9940 CST -.9245
 LSA 1931.7 MSA 206.9 S5A 18.1
 EL1 1869.4 EL2 84.9 ALF 8.12

LAUNCH DATE DEC 30 1965

FLIGHT TIME 156.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.898 GAL -3.48 AZL 85.93 MCA 233.85 SMA 122.79 ECC .20682 INC 4.0711 V1 30.285
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.833 GAP 10.04 AZP 92.40 TAL 193.60 TAP 67.44 RCA 97.39 APO 148.18 V2 34.800
 RC 168.980 GL 26.33 GP -8.40 ZAL 111.81 ZAP 164.88 ETS 326.78 ZAE 130.24 ETE 187.31 ZAC 81.65 ETC 164.06 CLP-167.38

PLANETOCENTRIC CONIC

C3 18.469 VHL 4.298 DLA 17.83 RAL 334.58 RAD 6567.7 VEL 11.826 PTH 2.09 VMP 6.736 DPA -16.95 RAP 350.44 ECC 1.3040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 50 2786.24 -28.14 80.82 200.93 93.31 1 27 17 2186.2 -27.38 72.24
 90.00 17 31 20 4248.93 1.62 174.71 194.24 61.73 18 42 9 3648.9 -2.17 168.08
 100.00 2 12 40 2490.12 -29.53 58.92 200.82 94.84 2 54 10 1890.1 -28.55 50.26
 100.00 18 42 12 4020.28 2.84 157.22 193.57 60.23 19 49 12 3420.3 -1.14 150.70
 110.00 3 43 53 2204.74 -33.14 36.74 200.31 98.91 4 20 37 1604.7 -31.55 27.88
 110.00 19 27 28 3878.42 5.93 144.55 191.65 56.27 20 32 7 3278.4 1.46 138.32

DIFFERENTIAL CORRECTIONS

TDE 1.3779 TRA-1.2792 TC3-4.7135 BAU 1.1647
 RDE .2160 RRA -.0235 RC3 .1820 FAU .03722
 FDE .6788 FRA .1961 FC3-1.7449 BSP 15167
 BDE 1.3947 BRA 1.2794 BC3 4.7170 FSP -491

MID-COURSE EXECUTION ACCURACY

SGT 4795.6 SGR 329.4 SG3 153.2
 RRT -.0290 RRF .0291 RTF .8523
 SGB 4806.9 R23 -.0540 R13 -.8523
 SG1 4795.6 SG2 329.2 TMA 179.89

ORBIT DETERMINATION ACCURACY

ST 1917.9 SR 288.2 S5 529.5
 CRT .9657 CRS -.9900 CST -.9305
 LSA 2000.5 MSA 198.7 S5A 19.2
 EL1 1938.0 EL2 74.1 ALF 8.27

LAUNCH DATE DEC 30 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.837 GAL -3.04 AZL 86.03 MCA 237.01 SMA 122.41 ECC .20831 INC 3.9688 V1 30.285
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.793 GAP 10.23 AZP 92.16 TAL 191.73 TAP 68.74 RCA 96.92 APO 147.91 V2 34.805
 RC 171.096 GL 25.94 GP -7.94 ZAL 109.11 ZAP 165.77 ETS 326.65 ZAE 130.39 ETE 186.95 ZAC 83.81 ETC 164.68 CLP-168.16

PLANETOCENTRIC CONIC

C3 17.977 VHL 4.240 DLA 18.62 RAL 337.46 RAD 6567.7 VEL 11.805 PTH 2.09 VMP 6.842 DPA -15.59 RAP 352.51 ECC 1.2959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 9 2810.69 -28.22 82.60 203.65 92.42 1 31 0 2210.7 -27.59 74.00
 90.00 17 50 57 4211.86 .42 172.64 196.94 61.69 19 1 9 3611.9 -3.37 166.01
 100.00 2 16 45 2512.08 -29.65 60.55 203.56 93.99 2 58 37 1912.1 -28.78 51.85
 100.00 19 1 3 3985.70 1.67 155.32 196.25 60.15 20 7 28 3385.7 -2.31 148.80
 110.00 3 49 29 2221.94 -33.31 38.06 203.10 98.15 4 26 31 1621.9 -31.83 29.14
 110.00 19 44 48 3848.61 4.80 142.98 194.30 56.11 20 48 56 3248.6 .32 136.76

DIFFERENTIAL CORRECTIONS

TDE 1.4272 TRA-1.1245 TC3-4.9137 BAU 1.1818
 RDE .2212 RRA -.0332 RC3 .1865 FAU .03561
 FDE .6673 FRA .2410 FC3-1.7149 BSP 15427
 BDE 1.4442 BRA 1.1250 BC3 4.9172 FSP -486

MID-COURSE EXECUTION ACCURACY

SGT 4863.4 SGR 341.5 SG3 150.8
 RRT -.0040 RRF .0390 RTF .8539
 SGB 4875.3 R23 -.0425 R13 -.8539
 SG1 4863.4 SG2 341.5 TMA 179.98

ORBIT DETERMINATION ACCURACY

ST 1991.6 SR 299.3 S5 537.1
 CRT .9776 CRS -.9850 CST -.9366
 LSA 2075.6 MSA 189.8 S5A 20.3
 EL1 2013.0 EL2 62.3 ALF 8.37

LAUNCH DATE DEC 30 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.776 GAL -2.59 AZL 86.13 HCA 240.17 SMA 122.05 ECC .21000 INC 3.8735 V1 30.285
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.755 GAP 10.43 AZP 91.93 TAL 189.85 TAP 70.03 RCA 96.42 APO 147.68 V2 34.811
 RC 175.196 GL 25.52 GP -7.54 ZAL 106.27 ZAP 166.63 ETS 326.35 ZAE 130.54 ETE 186.65 ZAC 86.00 ETC 165.24 CLP-168.92

PLANETOCENTRIC CONIC
 C3 17.587 VHL 4.194 DLA 19.45 RAL 340.48 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 6.954 DPA -14.26 RAP 354.59 ECC 1.2894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 13 2839.17 -28.29 84.69 206.61 91.38 1 34 32 2239.2 -27.80 76.05
 90.00 18 11 59 4173.17 -.83 170.48 199.90 61.69 19 21 33 3573.2 -4.61 163.84
 100.00 2 20 43 2537.67 -29.76 62.44 206.55 93.00 3 3 1 1937.7 -29.02 53.72
 100.00 19 21 11 3949.91 .46 153.36 199.18 60.11 20 27 1 3349.9 -3.52 146.83
 110.00 3 55 11 2242.12 -33.50 39.60 206.16 97.25 4 32 33 1642.1 -32.13 30.64
 110.00 20 3 12 3818.23 3.64 141.39 197.19 55.99 21 6 50 3218.2 -.84 135.18

DIFFERENTIAL CORRECTIONS
 TDE 1.4864 TRA -.9565 TC3-5.0838 BAU 1.1962 SGT 4922.1 SGR 353.3 SG3 148.2 ST 2076.8 SR 310.6 SS 547.0
 RDE .2269 RRA -.0420 RC3 .1887 FAU .03390 RRT .0225 RRF .0537 RTF .8551 CRT .9868 CR5 -.9789 CST -.9429
 FDE .6594 FRA .2871 FC3-1.6689 BSP 15579 SGB 4934.7 R23 .0344 R13 .8551 LSA 2162.3 MSA 180.9 SSA 21.3
 BDE 1.5036 BRA .9574 BC3 5.0873 FSP -475 SG1 4922.1 SG2 353.2 TMA .09 EL1 2099.3 EL2 49.7 ALF 8.40

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.717 GAL -2.13 AZL 86.22 HCA 243.34 SMA 121.70 ECC .21192 INC 3.7841 V1 30.285
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.718 GAP 10.65 AZP 91.70 TAL 187.97 TAP 71.31 RCA 95.91 APO 147.49 V2 34.817
 RC 175.278 GL 25.06 GP -7.18 ZAL 103.28 ZAP 167.45 ETS 325.86 ZAE 130.69 ETE 186.38 ZAC 88.22 ETC 165.74 CLP-169.68

PLANETOCENTRIC CONIC
 C3 17.302 VHL 4.160 DLA 20.32 RAL 343.64 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 7.072 DPA -12.95 RAP 356.69 ECC 1.2848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 5 2871.51 -28.32 87.05 209.83 90.19 1 37 56 2271.5 -27.99 78.40
 90.00 18 34 23 4133.28 -2.11 168.26 203.12 61.76 19 43 16 3533.3 -5.87 161.60
 100.00 2 24 37 2566.67 -29.84 64.59 209.80 91.87 3 7 24 1966.7 -29.26 55.84
 100.00 19 42 32 3913.34 -.78 151.35 202.38 60.12 20 47 45 3313.3 -4.75 144.82
 110.00 4 1 2 2265.04 -33.68 41.37 209.48 96.23 4 38 47 1665.0 -32.45 32.35
 110.00 20 22 37 3787.75 2.48 139.79 200.34 55.90 21 25 44 3187.7 -2.01 133.59

DIFFERENTIAL CORRECTIONS
 TDE 1.5460 TRA -.7827 TC3-5.2366 BAU 1.2121 SGT 4983.5 SGR 364.3 SG3 145.8 ST 2161.2 SR 321.6 SS 554.1
 RDE .2329 RRA -.0498 RC3 .1877 FAU .03235 RRT .0479 RRF .0669 RTF .8578 CRT .9929 CR5 -.9721 CST -.9487
 FDE .6491 FRA .3298 FC3-1.6188 BSP 15821 SGB 4996.7 R23 .0256 R13 .8578 LSA 2247.5 MSA 171.9 SSA 22.4
 BDE 1.5634 BRA .7843 BC3 5.2399 FSP -470 SG1 4983.5 SG2 363.8 TMA .20 EL1 2184.7 EL2 37.8 ALF 8.41

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.659 GAL -1.65 AZL 86.30 HCA 246.51 SMA 121.35 ECC .21409 INC 3.6995 V1 30.285
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.682 GAP 10.87 AZP 91.48 TAL 186.08 TAP 72.59 RCA 95.37 APO 147.33 V2 34.824
 RC 177.341 GL 24.55 GP -6.86 ZAL 100.17 ZAP 168.23 ETS 325.18 ZAE 130.84 ETE 186.15 ZAC 90.47 ETC 166.19 CLP-170.42

PLANETOCENTRIC CONIC
 C3 17.128 VHL 4.139 DLA 21.20 RAL 346.95 RAD 6567.7 VEL 11.769 PTH 2.08 VHP 7.198 DPA -11.68 RAP 358.80 ECC 1.2819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 48 2907.55 -28.30 89.69 213.30 88.87 1 41 15 2307.6 -28.15 81.02
 90.00 18 58 5 4092.55 -3.42 165.98 206.61 61.87 20 6 18 3492.6 -7.16 159.29
 100.00 2 28 31 2598.87 -29.89 66.99 213.31 90.61 3 11 50 1998.9 -29.48 58.21
 100.00 20 5 2 3876.47 -2.03 149.35 205.84 60.17 21 9 39 3276.5 -5.99 142.77
 110.00 4 7 6 2290.45 -33.85 43.33 213.08 95.07 4 45 17 1690.4 -32.78 34.26
 110.00 20 42 57 3757.65 1.33 138.22 203.74 55.84 21 45 34 3157.7 -3.16 132.02

DIFFERENTIAL CORRECTIONS
 TDE 1.6097 TRA -.5988 TC3-5.3561 BAU 1.2272 SGT 5041.0 SGR 374.6 SG3 143.3 ST 2248.4 SR 332.7 SS 560.7
 RDE .2396 RRA -.0565 RC3 .1841 FAU .03080 RRT .0732 RRF .0821 RTF .8608 CRT .9964 CR5 -.9646 CST -.9541
 FDE .6396 FRA .3720 FC3-1.5569 BSP 16040 SGB 5054.9 R23 .0187 R13 .8608 LSA 2335.2 MSA 163.7 SSA 23.3
 BDE 1.6275 BRA .6015 BC3 5.3593 FSP -463 SG1 5041.1 SG2 373.6 TMA .31 EL1 2272.7 EL2 27.9 ALF 8.39

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.602 GAL -1.16 AZL 86.38 HCA 249.67 SMA 121.01 ECC .21651 INC 3.6188 V1 30.285
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.648 GAP 11.10 AZP 91.26 TAL 184.19 TAP 73.86 RCA 94.81 APO 147.22 V2 34.832
 RC 179.385 GL 23.97 GP -6.58 ZAL 96.94 ZAP 168.99 ETS 324.27 ZAE 130.99 ETE 185.95 ZAC 92.75 ETC 166.60 CLP-171.15

PLANETOCENTRIC CONIC
 C3 17.071 VHL 4.132 DLA 22.08 RAL 350.40 RAD 6567.7 VEL 11.767 PTH 2.08 VHP 7.332 DPA -10.42 RAP .93 ECC 1.2809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 23 2947.10 -28.21 92.58 217.01 87.43 1 44 31 2347.1 -28.27 83.91
 90.00 19 23 0 4051.45 -4.74 163.68 210.38 62.05 20 30 32 3451.5 -8.44 156.96
 100.00 2 32 30 2633.98 -29.88 69.60 217.06 89.23 3 16 24 2034.0 -29.67 60.80
 100.00 20 28 35 3839.81 -3.27 147.31 209.57 60.27 21 32 34 3239.8 -7.21 140.74
 110.00 4 13 29 2318.05 -34.00 45.47 216.93 93.81 4 52 7 1718.0 -33.09 36.35
 110.00 21 4 5 3728.50 .22 136.70 207.39 55.82 22 6 13 3128.5 -4.27 130.49

DIFFERENTIAL CORRECTIONS
 TDE 1.6762 TRA -.4044 TC3-5.4351 BAU 1.2411 SGT 5093.1 SGR 384.3 SG3 140.6 ST 2335.4 SR 343.9 SS 566.4
 RDE .2471 RRA -.0621 RC3 .1779 FAU .02924 RRT .0984 RRF .0988 RTF .8638 CRT .9975 CR5 -.9567 CST -.9590
 FDE .6302 FRA .4138 FC3-1.4831 BSP 16254 SGB 5107.6 R23 .0134 R13 .8638 LSA 2422.5 MSA 156.5 SSA 24.0
 BDE 1.6943 BRA .4091 BC3 5.4380 FSP -457 SG1 5093.3 SG2 382.4 TMA .43 EL1 2360.5 EL2 24.0 ALF 8.36

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 30 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.945 GAL -.64 AZL 86.46 HCA 252.84 SMA 120.68 ECC .21921 INC 3.5414 V1 30.285
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.614 GAP 11.34 ATP 91.05 TAL 182.29 TAP 75.14 RCA 94.23 APO 147.14 V2 34.840
 RC 181.409 GL 23.33 GP -6.32 ZAL 93.62 ZAP 169.72 ETS 323.13 ZAE 131.14 ETE 185.77 ZAC 95.05 ETC 166.96 CLP-171.87

PLANETOCENTRIC CONIC
 C3 17.139 VML 4.140 DLA 22.94 RAL 353.98 RAD 6567.7 VEL 11.770 PTH 2.08 VMP 7.473 DPA -9.18 RAP 3.07 ECC 1.2821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 56 2989.91 -28.04 95.70 220.94 85.87 1 47 45 2389.9 -28.32 87.04
 90.00 19 49 1 4010.48 -6.04 161.37 214.42 62.28 20 55 51 3410.5 -9.71 154.61
 100.00 2 36 38 2671.65 -29.82 72.40 221.05 87.76 3 21 10 2071.7 -29.81 63.59
 100.00 20 52 59 3803.96 -4.48 145.34 213.57 60.41 21 56 23 3204.0 -8.39 138.73
 110.00 4 20 15 2347.48 -34.11 47.77 221.04 92.46 4 59 22 1747.5 -33.39 38.60
 110.00 21 25 52 3700.90 -.84 135.26 211.30 55.83 22 27 33 3100.9 -5.32 129.04

DIFFERENTIAL CORRECTIONS
 TOE 1.7480 TRA -.1970 TC3-5.4667 BAU 1.2532
 RDE .2556 RRA -.0664 RC3 .1691 FAU .02771
 FDE .6222 FRA .4553 FC3-1.4000 BSP 16368
 BDE 1.7665 BRA .2079 BC3 5.4693 FSP -448

MID-COURSE EXECUTION ACCURACY
 SGT 5140.8 SGR 393.3 SG3 138.1
 RRT .1244 RRF .1179 RTF .8676
 SGB 5155.8 R23 .0094 R13 .8676
 SGI 5141.0 SG2 390.3 TMA .55

ORBIT DETERMINATION ACCURACY
 ST 2424.6 SR 355.1 SS 572.0
 CRT .9966 CRS -.9485 CST -.9635
 LSA 2511.7 MSA 150.7 SSA 24.5
 EL1 2450.3 EL2 29.1 ALF 8.30

LAUNCH DATE DEC 30 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.490 GAL -.11 AZL 86.53 HCA 256.02 SMA 120.36 ECC .22221 INC 3.4664 V1 30.285
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.583 GAP 11.60 ATP 90.84 TAL 180.40 TAP 76.41 RCA 93.62 APO 147.11 V2 34.849
 RC 183.413 GL 22.62 GP -6.09 ZAL 90.21 ZAP 170.42 ETS 321.70 ZAE 131.29 ETE 185.62 ZAC 97.36 ETC 167.28 CLP-172.59

PLANETOCENTRIC CONIC
 C3 17.342 VML 4.164 DLA 23.77 RAL 357.67 RAD 6567.7 VEL 11.778 PTH 2.08 VMP 7.624 DPA -7.95 RAP 5.21 ECC 1.2854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 27 3035.62 -27.77 99.01 225.08 84.23 1 51 3 2435.6 -28.28 90.39
 90.00 20 15 56 3970.23 -7.31 159.09 218.73 62.57 21 22 6 3370.2 -10.93 152.29
 100.00 2 41 0 2711.44 -29.67 75.35 225.26 86.22 3 26 12 2111.4 -29.88 66.55
 100.00 21 18 4 3769.64 -5.63 143.44 217.81 60.59 22 20 54 3169.6 -9.51 136.80
 110.00 4 27 29 2378.32 -34.17 50.17 225.39 91.04 5 7 7 1778.3 -33.65 40.97
 110.00 21 48 5 3675.53 -1.81 133.94 215.44 55.86 22 49 20 3075.5 -6.28 127.70

DIFFERENTIAL CORRECTIONS
 TOE 1.8094 TRA .0108 TC3-5.4684 BAU 1.2684
 RDE .2646 RRA -.0700 RC3 .1573 FAU .02647
 FDE .6041 FRA .4848 FC3-1.3215 BSP 16769
 BDE 1.8287 BRA .0708 BC3 5.4707 FSP -459

MID-COURSE EXECUTION ACCURACY
 SGT 5190.6 SGR 400.9 SG3 134.8
 RRT .1479 RRF .1306 RTF .8761
 SGB 5206.0 R23 .0002 R13 .8761
 SGI 5190.9 SG2 396.5 TMA .66

ORBIT DETERMINATION ACCURACY
 ST 2493.3 SR 365.4 SS 566.6
 CRT .9939 CRS -.9403 CST -.9675
 LSA 2578.6 MSA 144.3 SSA 24.7
 EL1 2519.6 EL2 39.7 ALF 8.29

LAUNCH DATE DEC 30 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.435 GAL .44 AZL 86.61 HCA 259.19 SMA 120.05 ECC .22553 INC 3.3935 V1 30.285
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.552 GAP 11.87 ATP 90.64 TAL 178.50 TAP 77.69 RCA 92.97 APO 147.12 V2 34.858
 RC 185.395 GL 21.84 GP -5.88 ZAL 86.75 ZAP 171.10 ETS 319.94 ZAE 131.44 ETE 185.48 ZAC 99.70 ETC 167.56 CLP-173.30

PLANETOCENTRIC CONIC
 C3 17.694 VML 4.206 DLA 24.55 RAL 1.46 RAD 6567.7 VEL 11.793 PTH 2.09 VMP 7.785 DPA -6.74 RAP 7.37 ECC 1.2912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 3 2 3083.91 -27.39 102.50 229.41 82.52 1 54 26 2483.9 -28.14 93.91
 90.00 20 43 34 3931.26 -8.53 156.88 223.27 62.90 21 49 5 3331.3 -12.10 150.02
 100.00 2 45 43 2752.86 -29.45 78.40 229.68 84.62 3 31 36 2152.9 -29.88 69.63
 100.00 21 43 34 3737.53 -6.70 141.66 222.29 60.80 22 45 52 3137.5 -10.54 134.98
 110.00 4 35 16 2410.12 -34.18 52.66 229.96 89.57 5 15 26 1810.1 -33.86 43.43
 110.00 22 10 31 3653.04 -2.67 132.76 219.79 55.91 23 11 24 3053.0 -7.12 126.51

DIFFERENTIAL CORRECTIONS
 TOE 1.8878 TRA .2517 TC3-5.3877 BAU 1.2749
 RDE .2758 RRA -.0707 RC3 .1453 FAU .02470
 FDE .6043 FRA .5394 FC3-1.2083 BSP 16661
 BDE 1.9078 BRA .2614 BC3 5.3896 FSP -431

MID-COURSE EXECUTION ACCURACY
 SGT 5224.8 SGR 409.0 SG3 132.8
 RRT .1742 RRF .1583 RTF .8750
 SGB 5240.8 R23 .0050 R13 .8750
 SGI 5225.3 SG2 402.7 TMA .79

ORBIT DETERMINATION ACCURACY
 ST 2577.4 SR 377.1 SS 577.5
 CRT .9898 CRS -.9311 CST -.9707
 LSA 2664.1 MSA 144.9 SSA 24.5
 EL1 2604.3 EL2 53.0 ALF 8.24

LAUNCH DATE DEC 30 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.11 LAL .00 LOL 98.09 VL 26.381 GAL 1.01 AZL 86.68 HCA 262.36 SMA 119.74 ECC .22919 INC 3.3221 V1 30.285
 RP 108.68 LAP -3.29 LOP .44 VP 36.522 GAP 12.16 ATP 90.44 TAL 176.60 TAP 78.97 RCA 92.30 APO 147.18 V2 34.868
 RC 187.357 GL 20.99 GP -5.69 ZAL 83.25 ZAP 171.75 ETS 317.81 ZAE 131.58 ETE 185.36 ZAC 102.04 ETC 167.80 CLP-174.01

PLANETOCENTRIC CONIC
 C3 18.209 VML 4.267 DLA 25.26 RAL 5.32 RAD 6567.7 VEL 11.815 PTH 2.09 VMP 7.957 DPA -5.55 RAP 9.54 ECC 1.2997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 46 3134.17 -26.89 106.09 233.90 80.79 1 58 0 2534.2 -27.89 97.57
 90.00 21 11 38 3894.36 -9.66 154.76 228.04 63.25 22 16 32 3294.4 -13.18 147.85
 100.00 2 50 54 2795.22 -29.14 81.51 234.26 83.01 3 37 29 2195.2 -29.80 72.77
 100.00 22 9 11 3708.55 -7.66 140.04 226.97 61.02 23 10 59 3108.5 -11.47 133.32
 110.00 4 43 41 2442.35 -34.14 55.17 234.72 88.08 5 24 23 1842.4 -34.02 45.93
 110.00 22 32 53 3634.17 -3.39 131.78 224.34 55.96 23 33 27 3034.2 -7.83 125.51

DIFFERENTIAL CORRECTIONS
 TOE 1.9488 TRA .4890 TC3-5.2838 BAU 1.2867
 RDE .2875 RRA -.0707 RC3 .1307 FAU .02331
 FDE .5909 FRA .5800 FC3-1.1084 BSP 16908
 BDE 1.9699 BRA .4940 BC3 5.2854 FSP -427

MID-COURSE EXECUTION ACCURACY
 SGT 5263.9 SGR 415.3 SG3 130.1
 RRT .1972 RRF .1767 RTF .8793
 SGB 5280.2 R23 .0023 R13 .8793
 SGI 5264.5 SG2 407.1 TMA .90

ORBIT DETERMINATION ACCURACY
 ST 2629.2 SR 387.3 SS 574.0
 CRT .9847 CRS -.9217 CST -.9732
 LSA 2714.8 MSA 145.1 SSA 24.1
 EL1 2656.7 EL2 66.7 ALF 8.26

LAUNCH DATE DEC 30 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.329 GAL 1.60 AZL 86.75 MCA 265.54 SMA 119.44 ECC .23324 INC 3.2517 V1 30.285
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.494 GAP 12.47 AZP 90.25 TAL 174.71 TAP 80.25 RCA 91.58 APO 147.30 V2 34.878
 RC 189.297 GL 20.08 GP -5.52 ZAL 79.75 ZAP 172.36 ETS 315.23 ZAE 131.73 ETE 185.26 ZAC 104.40 ETC 168.01 CLP-174.71

DISTANCE 522.828

PLANETOCENTRIC CONIC

C3 18.904 VHL 4.348 DLA 25.90 RAL 9.22 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 8.140 DPA -4.37 RAP 11.71 ECC 1.3111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 45 3185.79 -26.28 109.75 238.52 79.05 2 1 51 2585.8 -27.52 101.30
 90.00 21 39 47 3860.31 -10.70 152.80 232.99 63.63 22 44 8 3260.3 -14.16 145.83
 100.00 2 56 42 2837.77 -28.75 84.62 239.00 81.43 3 44 0 2237.8 -29.63 75.92
 100.00 22 34 32 3683.56 -8.48 138.64 231.82 61.23 23 35 55 3083.6 -12.26 131.89
 110.00 4 52 48 2474.51 -34.03 57.68 239.65 86.60 5 34 3 1874.5 -34.13 48.43
 110.00 22 54 55 3619.59 -3.94 131.01 229.03 56.02 23 55 14 3019.6 -8.38 124.73

DIFFERENTIAL CORRECTIONS

TDE 2.0128 TRA .7450 TC3-5.1187 BAU 1.2940
 RDE .3006 RRA -.0690 RC3 .1155 FAU .02185
 FDE .5803 FRA .6227 FC3-1.0006 BSP 16987
 BDE 2.0351 BRA .7482 BC3 5.1200 FSP -417

MID-COURSE EXECUTION ACCURACY

SGT 5295.2 SGR 421.0 SG3 127.4
 RRT .2214 RRF .1987 RTF .8834
 SGB 5311.9 R23 .0020 R13 .8834
 SG1 5296.0 SG2 410.5 TMA 1.01

ORBIT DETERMINATION ACCURACY

ST 2675.9 SR 397.3 SS 971.5
 CRT .9786 CRS -.9123 CST -.9756
 LSA 2761.0 MSA 147.2 SSA 23.4
 EL1 2704.1 EL2 80.9 ALF 8.27

LAUNCH DATE DEC 30 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.277 GAL 2.22 AZL 86.82 MCA 268.72 SMA 119.15 ECC .23769 INC 3.1819 V1 30.285
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.467 GAP 12.80 AZP 90.07 TAL 172.82 TAP 81.54 RCA 90.83 APO 147.47 V2 34.889
 RC 191.216 GL 19.12 GP -5.36 ZAL 76.26 ZAP 172.95 ETS 312.10 ZAE 131.87 ETE 185.17 ZAC 106.76 ETC 168.18 CLP-175.41

DISTANCE 528.293

PLANETOCENTRIC CONIC

C3 19.799 VHL 4.450 DLA 26.44 RAL 13.14 RAD 6567.8 VEL 11.882 PTH 2.11 VHP 8.337 DPA -3.20 RAP 13.90 ECC 1.3258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 11 3237.88 -25.55 113.39 243.24 77.37 2 6 8 2637.9 -27.04 105.03
 90.00 22 7 38 3830.13 -11.61 151.05 238.10 63.99 23 11 28 3230.1 -15.01 144.02
 100.00 3 3 18 2879.63 -28.28 87.64 243.85 79.90 3 51 18 2279.6 -29.39 79.01
 100.00 22 59 12 3663.60 -9.13 137.52 236.80 61.41 24 0 16 3063.6 -12.88 130.73
 110.00 5 2 42 2506.06 -33.88 60.13 244.71 85.16 5 44 28 1906.1 -34.18 50.90
 110.00 23 16 18 3609.94 -4.31 130.51 233.85 56.06 24 16 28 3009.9 -8.74 124.22

DIFFERENTIAL CORRECTIONS

TDE 2.0680 TRA 1.0108 TC3-4.9169 BAU 1.3018
 RDE .3148 RRA -.0659 RC3 .0995 FAU .02052
 FDE .5672 FRA .6639 FC3 -.8975 BSP 17141
 BDE 2.0918 BRA 1.0129 BC3 4.9179 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 5324.5 SGR 425.6 SG3 124.7
 RRT .2447 RRF .2196 RTF .8885
 SGB 5341.5 R23 .0010 R13 .8885
 SG1 5325.5 SG2 412.6 TMA 1.13

ORBIT DETERMINATION ACCURACY

ST 2701.5 SR 406.4 SS 565.4
 CRT .9716 CRS -.9025 CST -.9776
 LSA 2785.6 MSA 150.8 SSA 22.5
 EL1 2730.2 EL2 95.1 ALF 8.33

LAUNCH DATE DEC 30 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.225 GAL 2.87 AZL 86.89 MCA 271.90 SMA 118.86 ECC .24259 INC 3.1122 V1 30.285
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.441 GAP 13.15 AZP 89.90 TAL 170.95 TAP 82.84 RCA 90.03 APO 147.69 V2 34.900
 RC 193.113 GL 18.11 GP -5.22 ZAL 72.81 ZAP 173.50 ETS 308.33 ZAE 132.02 ETE 185.09 ZAC 109.13 ETC 168.31 CLP-176.12

DISTANCE 533.719

PLANETOCENTRIC CONIC

C3 20.920 VHL 4.574 DLA 26.89 RAL 17.05 RAD 6567.8 VEL 11.929 PTH 2.12 VHP 8.549 DPA -2.05 RAP 16.09 ECC 1.3443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 16 18 3289.28 -24.74 116.93 248.03 75.77 2 11 7 2689.3 -26.46 108.68
 90.00 22 34 40 3805.02 -12.35 149.58 243.30 64.32 23 38 5 3205.0 -15.71 142.51
 100.00 3 10 54 2919.86 -27.77 90.52 248.80 78.47 3 59 34 2319.9 -29.08 81.96
 100.00 23 22 45 3649.68 -9.59 136.73 241.86 61.55 24 23 35 3049.7 -13.31 129.93
 110.00 5 13 23 2536.56 -33.68 62.49 249.88 83.77 5 55 40 1936.6 -34.17 53.28
 110.00 23 36 45 3605.74 -4.47 130.29 238.74 56.07 24 36 51 3005.7 -8.89 123.99

DIFFERENTIAL CORRECTIONS

TDE 2.1174 TRA 1.2912 TC3-4.6745 BAU 1.3076
 RDE .3302 RRA -.0610 RC3 .0837 FAU .01920
 FDE .5537 FRA .7062 FC3 -.7946 BSP 17270
 BDE 2.1430 BRA 1.2926 BC3 4.6752 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 5348.8 SGR 429.2 SG3 122.0
 RRT .2675 RRF .2413 RTF .8934
 SGB 5366.0 R23 .0008 R13 .8934
 SG1 5350.0 SG2 413.5 TMA 1.24

ORBIT DETERMINATION ACCURACY

ST 2710.7 SR 414.4 SS 557.7
 CRT .9639 CRS -.8922 CST -.9793
 LSA 2793.9 MSA 156.1 SSA 21.4
 EL1 2740.0 EL2 109.2 ALF 8.40

LAUNCH DATE DEC 30 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 26.175 GAL 3.55 AZL 86.96 MCA 275.08 SMA 118.58 ECC .24798 INC 3.0422 V1 30.285
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.416 GAP 13.53 AZP 89.73 TAL 169.08 TAP 84.16 RCA 89.17 APO 147.99 V2 34.912
 RC 194.989 GL 17.08 GP -5.09 ZAL 69.42 ZAP 174.00 ETS 303.80 ZAE 132.15 ETE 185.02 ZAC 111.51 ETC 168.41 CLP-176.82

DISTANCE 539.101

PLANETOCENTRIC CONIC

C3 22.296 VHL 4.722 DLA 27.23 RAL 20.91 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 8.777 DPA -.92 RAP 18.29 ECC 1.3669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 21 30 3338.42 -23.88 120.27 252.88 74.31 2 17 9 2738.4 -25.80 112.13
 90.00 23 0 15 3786.60 -12.89 148.30 248.55 64.57 24 3 21 3186.6 -16.21 141.39
 100.00 3 19 41 2957.47 -27.23 93.19 253.83 77.16 4 8 58 2357.5 -28.72 84.70
 100.00 23 44 45 3642.79 -9.81 136.34 246.96 61.62 24 45 28 3042.8 -13.53 129.52
 110.00 5 24 54 2565.65 -33.44 64.73 255.12 82.47 6 7 39 1965.6 -34.12 55.55
 110.00 23 56 2 3607.37 -4.41 130.37 243.67 56.07 24 56 9 3007.4 -8.83 124.08

DIFFERENTIAL CORRECTIONS

TDE 2.1636 TRA 1.5905 TC3-4.3934 BAU 1.3097
 RDE .3487 RRA -.0543 RC3 .0687 FAU .01786
 FDE .5409 FRA .7512 FC3 -.6934 BSP 17297
 BDE 2.1912 BRA 1.5914 BC3 4.3940 FSP -395

MID-COURSE EXECUTION ACCURACY

SGT 5368.3 SGR 432.0 SG3 119.4
 RRT .2909 RRF .2641 RTF .8983
 SGB 5385.6 R23 .0013 R13 .8983
 SG1 5369.8 SG2 413.2 TMA 1.35

ORBIT DETERMINATION ACCURACY

ST 2707.8 SR 421.3 SS 549.9
 CRT .9553 CRS -.8814 CST -.9809
 LSA 2790.2 MSA 162.8 SSA 20.3
 EL1 2737.6 EL2 123.2 ALF 8.47

LAUNCH DATE DEC 30 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 544.432

RL 147.11 LAL .00 LOL 98.09 VL 26.126 GAL 4.27 AZL 87.03 HCA 278.27 SMA 118.31 ECC .25392 INC 2.9714 V1 30.285
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.392 GAP 13.94 AZP 89.57 TAL 167.22 TAP 85.49 RCA 88.27 APO 148.35 V2 34.924
 RC 196.842 GL 16.02 GP -4.97 ZAL 66.12 ZAP 174.45 ETS 298.37 ZAE 132.28 ETE 184.96 ZAC 113.88 ETC 168.46 CLP-177.52

PLANETOCENTRIC CONIC

C3 23.961 VHL 4.895 DLA 27.48 RAL 24.69 RAD 6568.0 VEL 12.056 PTH 2.15 VHP 9.024 DPA .19 RAP 20.50 ECC 1.3943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 22 3383.15 -23.02 123.27 257.79 73.04 2 24 45 2783.2 -25.13 115.23
 90.00 23 23 34 3776.98 -13.17 147.93 253.79 64.71 24 26 31 3177.0 -16.48 140.81
 100.00 3 29 50 2991.57 -26.69 95.58 258.91 76.01 4 19 42 2391.6 -28.35 87.17
 100.00 0 8 43 3643.79 -9.78 136.40 252.04 61.61 1 9 27 3043.8 -13.50 129.58
 110.00 5 37 10 2593.07 -33.18 66.82 260.41 81.26 6 20 23 1993.1 -34.03 57.69
 110.00 0 17 52 3615.05 -4.11 130.78 248.59 56.04 1 18 7 3015.1 -8.55 124.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1984 TRA 1.9010 TC3-4.0963 BAU 1.3123 SGT 5384.6 SGR 433.6 SG3 116.8 ST 2683.7 SR 426.4 SS 539.5
 RDE .3640 RRA -.0459 RC3 .0544 FAU .01663 RRT .3130 RRF .2859 RTF .9036 CRT .9459 CRS -.8698 CST -.9822
 FDE .5263 FRA .7955 FC3 -.6009 BSP 17424 SGB 5402.1 R23 .0014 R13 .9036 LSA 2765.1 MSA 170.4 SSA 19.1
 BDE 2.2284 BRA 1.9016 BC3 4.0966 FSP -389 SGT 5386.4 SG2 411.7 TMA 1.45 EL1 2713.9 EL2 136.9 ALF 8.57

LAUNCH DATE DEC 30 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 549.702

RL 147.11 LAL .00 LOL 98.09 VL 26.077 GAL 5.02 AZL 87.10 HCA 281.45 SMA 118.04 ECC .26045 INC 2.8994 V1 30.285
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.368 GAP 14.38 AZP 89.42 TAL 165.38 TAP 86.83 RCA 87.30 APO 148.78 V2 34.936
 RC 198.673 GL 14.95 GP -4.86 ZAL 62.92 ZAP 174.83 ETS 291.94 ZAE 132.40 ETE 184.91 ZAC 116.26 ETC 168.48 CLP-178.24

PLANETOCENTRIC CONIC

C3 25.957 VHL 5.095 DLA 27.63 RAL 28.37 RAD 6568.0 VEL 12.138 PTH 2.18 VHP 9.290 DPA 1.29 RAP 22.71 ECC 1.4272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 32 3420.97 -22.25 125.77 262.75 72.02 2 34 33 2821.0 -24.50 117.83
 90.00 23 43 46 3778.57 -13.13 148.02 258.95 64.68 24 46 45 3178.6 -16.43 140.90
 100.00 3 41 27 3021.52 -26.18 97.66 264.02 75.03 4 31 49 2421.5 -27.98 89.32
 100.00 0 26 28 3653.25 -9.47 136.93 257.06 61.51 1 27 22 3053.2 -13.20 130.13
 110.00 5 50 9 2618.74 -32.90 68.77 265.72 80.13 6 33 48 2018.7 -33.91 59.68
 110.00 0 34 16 3628.80 -3.59 131.50 253.47 55.98 1 34 44 3028.8 -8.03 125.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2282 TRA 2.2294 TC3-3.7808 BAU 1.3121 SGT 5396.0 SGR 434.2 SG3 114.2 ST 2646.1 SR 429.9 SS 528.8
 RDE .3821 RRA -.0357 RC3 .0415 FAU .01543 RRT .3350 RRF .3079 RTF .9090 CRT .9354 CRS -.8575 CST -.9834
 FDE .5116 FRA .8415 FC3 -.5145 BSP 17521 SGB 5413.4 R23 .0017 R13 .9090 LSA 2726.5 MSA 178.7 SSA 18.0
 BDE 2.2588 BRA 2.2296 BC3 3.7810 FSP -382 SGT 5398.0 SG2 408.9 TMA 1.55 EL1 2676.6 EL2 150.3 ALF 8.67

LAUNCH DATE DEC 30 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 554.903

RL 147.11 LAL .00 LOL 98.09 VL 26.029 GAL 5.82 AZL 87.17 HCA 284.64 SMA 117.78 ECC .26765 INC 2.8258 V1 30.285
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.346 GAP 14.86 AZP 89.28 TAL 163.57 TAP 88.21 RCA 86.26 APO 149.30 V2 34.948
 RC 200.481 GL 13.88 GP -4.76 ZAL 59.83 ZAP 175.13 ETS 284.48 ZAE 132.51 ETE 184.86 ZAC 118.63 ETC 168.46 CLP-178.95

PLANETOCENTRIC CONIC

C3 28.335 VHL 5.323 DLA 27.68 RAL 31.93 RAD 6568.1 VEL 12.236 PTH 2.20 VHP 9.580 DPA 2.36 RAP 24.93 ECC 1.4663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 36 3449.73 -21.63 127.66 267.78 71.27 2 47 6 2849.7 -23.99 119.78
 90.00 0 4 1 3793.38 -12.70 148.89 263.98 64.48 1 7 14 3193.4 -16.03 141.80
 100.00 3 54 30 3047.08 -25.72 99.41 269.16 74.22 4 45 17 2447.1 -27.64 91.14
 100.00 0 41 48 3671.26 -8.88 137.95 261.99 61.34 1 42 59 3071.3 -12.64 131.18
 110.00 6 3 43 2642.69 -32.60 70.58 271.03 79.10 6 47 46 2042.7 -33.76 61.54
 110.00 0 49 4 3648.42 -2.84 132.52 258.29 55.92 1 49 52 3048.4 -7.30 126.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2469 TRA 2.5762 TC3-3.4570 BAU 1.3096 SGT 5403.6 SGR 433.6 SG3 111.7 ST 2596.8 SR 431.6 SS 518.0
 RDE .4009 RRA -.0237 RC3 .0301 FAU .01425 RRT .3566 RRF .3299 RTF .9144 CRT .9238 CRS -.8443 CST -.9846
 FDE .4970 FRA .8895 FC3 -.4355 BSP 17611 SGB 5421.0 R23 .0021 R13 .9144 LSA 2676.3 MSA 187.4 SSA 17.0
 BDE 2.2824 BRA 2.5763 BC3 3.4572 FSP -375 SGT 5405.8 SG2 405.0 TMA 1.65 EL1 2627.4 EL2 163.3 ALF 8.76

LAUNCH DATE DEC 30 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 560.022

RL 147.11 LAL .00 LOL 98.09 VL 25.983 GAL 6.66 AZL 87.25 HCA 287.83 SMA 117.53 ECC .27559 INC 2.7499 V1 30.285
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.325 GAP 15.38 AZP 89.16 TAL 161.77 TAP 89.61 RCA 85.14 APO 149.91 V2 34.961
 RC 202.264 GL 12.82 GP -4.67 ZAL 56.88 ZAP 175.32 ETS 276.07 ZAE 132.61 ETE 184.81 ZAC 120.99 ETC 168.39 CLP-179.68

PLANETOCENTRIC CONIC

C3 31.157 VHL 5.582 DLA 27.64 RAL 35.34 RAD 6568.2 VEL 12.350 PTH 2.23 VHP 9.896 DPA 3.42 RAP 27.15 ECC 1.5128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 35 3469.02 -21.20 128.91 272.87 70.78 3 2 24 2869.0 -23.63 121.08
 90.00 0 16 16 3821.64 -11.86 150.55 268.82 64.10 1 19 57 3221.6 -15.25 143.51
 100.00 4 8 51 3068.44 -25.32 100.87 274.30 73.55 4 59 59 2468.4 -27.33 92.65
 100.00 0 54 41 3697.45 -8.03 139.42 266.81 61.11 1 56 18 3097.5 -11.82 132.69
 110.00 6 17 44 2665.08 -32.30 72.26 276.31 78.15 7 2 9 2065.1 -33.59 63.26
 110.00 1 2 17 3673.58 -1.88 133.84 263.03 55.86 2 3 31 3073.6 -6.35 127.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2652 TRA 2.9470 TC3-3.1235 BAU 1.3011 SGT 5406.1 SGR 432.2 SG3 109.3 ST 2543.0 SR 431.4 SS 508.8
 RDE .4203 RRA -.0096 RC3 .0206 FAU .01305 RRT .3787 RRF .3528 RTF .9200 CRT .9111 CRS -.8307 CST -.9858
 FDE .4841 FRA .9412 FC3 -.3627 BSP 17586 SGB 5423.4 R23 .0028 R13 .9200 LSA 2621.7 MSA 196.2 SSA 16.0
 BDE 2.3039 BRA 2.9470 BC3 3.1235 FSP -365 SGT 5408.6 SG2 399.8 TMA 1.74 EL1 2573.4 EL2 175.7 ALF 8.83

LAUNCH DATE DEC 30 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 565.044

RL 147.11 LAL .00 LOL 98.09 VL 25.937 GAL 7.56 AZL 87.33 HCA 291.03 SMA 117.28 ECC .28435 INC 2.6712 V1 30.285
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.305 GAP 15.95 AZP 89.04 TAL 160.01 TAP 91.04 RCA 83.93 APO 150.63 V2 34.974
 RC 204.023 GL 11.77 GP -4.59 ZAL 54.06 ZAP 175.39 ETS 267.00 ZAE 132.69 ETE 184.77 ZAC 123.34 ETC 168.28 CLP 179.57

PLANETOCENTRIC CONIC

C3 34.495 VHL 5.873 DLA 27.53 RAL 38.59 RAD 6568.4 VEL 12.485 PTH 2.26 VHP 10.241 DPA 4.44 RAP 29.38 ECC 1.5677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 53 3480.48 -20.94 129.65 277.99 70.50 3 19 53 2880.5 -23.41 121.85
 90.00 0 24 55 3861.48 -10.67 152.87 273.48 63.61 1 29 17 3261.5 -14.13 145.90
 100.00 4 24 11 3086.18 -24.97 102.08 279.43 73.01 5 15 38 2486.2 -27.06 93.90
 100.00 1 5 17 3731.00 -6.92 141.29 271.48 60.85 2 7 28 3131.0 -10.75 134.60
 110.00 6 32 1 2686.15 -32.00 73.82 281.55 77.27 7 16 47 2086.2 -33.42 64.88
 110.00 1 13 57 3703.80 -.73 135.41 267.66 55.82 2 15 41 3103.8 -5.21 129.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE 2.2743 TRA 3.3357 TC3-2.8025 BAU 1.2925 SGT 5406.1 SGR 429.4 SG3 106.9 ST 2478.7 SR 429.1 SS 499.0
 RDE .4399 RRA .0062 RC3 .0126 FAU .01196 RRT .3998 RRF .3746 RTF .9257 CRT .8971 CRS -.8159 CST -.9870
 FDE .4701 FRA .9939 FC3 -.3001 BSP 17661 SGB 5423.1 R23 .0028 R13 .9257 LSA 2556.4 MSA 204.9 SSA 15.1
 BOE 2.3164 BRA 3.3357 BC3 2.8026 FSP -359 SG1 5408.9 SG2 393.4 THA 1.83 EL1 2508.6 EL2 187.3 ALF 8.88

LAUNCH DATE DEC 30 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 569.950

RL 147.11 LAL .00 LOL 98.09 VL 25.892 GAL 8.51 AZL 87.41 HCA 294.22 SMA 117.04 ECC .29405 INC 2.5890 V1 30.285
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.285 GAP 16.57 AZP 88.94 TAL 158.29 TAP 92.51 RCA 82.62 APO 151.45 V2 34.987
 RC 205.757 GL 10.75 GP -4.51 ZAL 51.39 ZAP 175.34 ETS 257.68 ZAE 132.76 ETE 184.73 ZAC 125.68 ETC 168.11 CLP 178.82

PLANETOCENTRIC CONIC

C3 38.443 VHL 6.200 DLA 27.35 RAL 41.68 RAD 6568.5 VEL 12.642 PTH 2.29 VHP 10.620 DPA 5.45 RAP 31.60 ECC 1.6327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 34 3486.82 -20.80 130.06 283.11 70.34 3 38 40 2886.8 -23.29 122.28
 90.00 0 30 50 3909.88 -9.19 155.65 277.95 63.10 1 36 0 3309.9 -12.73 148.76
 100.00 4 40 12 3101.12 -24.67 103.09 284.51 72.56 5 31 54 2501.1 -26.82 94.95
 100.00 1 13 52 3770.82 -5.59 143.51 276.01 60.59 2 16 43 3170.8 -9.47 136.86
 110.00 6 46 25 2706.18 -31.69 75.30 286.72 76.45 7 31 31 2106.2 -33.22 66.41
 110.00 1 24 9 3738.52 .60 137.22 272.17 55.82 2 26 28 3138.5 -3.89 131.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2780 TRA 3.7481 TC3-2.4887 BAU 1.2791 SGT 5400.2 SGR 425.6 SG3 104.6 ST 2410.1 SR 424.8 SS 490.6
 RDE .4597 RRA .0239 RC3 .0063 FAU .01088 RRT .4207 RRF .3964 RTF .9315 CRT .8818 CRS -.8005 CST -.9881
 FDE .4570 FRA 1.0502 FC3 -.2449 BSP 17713 SGB 5416.9 R23 .0028 R13 .9315 LSA 2486.8 MSA 213.0 SSA 14.3
 BOE 2.3239 BRA 3.7482 BC3 2.4887 FSP -352 SG1 5403.2 SG2 385.9 THA 1.91 EL1 2439.2 EL2 198.0 ALF 8.89

LAUNCH DATE DEC 30 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 574.718

RL 147.11 LAL .00 LOL 98.09 VL 25.848 GAL 9.54 AZL 87.50 HCA 297.42 SMA 116.80 ECC .30480 INC 2.5024 V1 30.285
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.267 GAP 17.26 AZP 88.85 TAL 156.61 TAP 94.03 RCA 81.20 APO 152.41 V2 35.000
 RC 207.465 GL 9.76 GP -4.44 ZAL 48.87 ZAP 175.15 ETS 248.63 ZAE 132.80 ETE 184.69 ZAC 128.00 ETC 167.90 CLP 178.04

PLANETOCENTRIC CONIC

C3 43.113 VHL 6.566 DLA 27.11 RAL 44.58 RAD 6568.6 VEL 12.825 PTH 2.33 VHP 11.037 DPA 8.42 RAP 33.82 ECC 1.7095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 47 3490.50 -20.72 130.30 288.18 70.25 3 57 58 2890.5 -23.22 122.52
 90.00 0 34 47 3984.09 -7.50 158.75 282.26 62.62 1 40 51 3364.1 -11.11 151.93
 100.00 4 36 33 3114.08 -24.40 103.96 289.54 72.17 5 48 27 2514.1 -26.61 95.85
 100.00 1 20 42 3815.73 -4.08 145.99 280.39 60.36 2 24 18 3215.7 -8.00 139.39
 110.00 7 0 45 2725.45 -31.37 76.72 291.81 75.67 7 46 10 2125.5 -33.02 67.88
 110.00 1 33 0 3777.13 2.08 139.24 276.56 55.87 2 35 57 3177.1 -2.42 133.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2787 TRA 4.1877 TC3-2.1872 BAU 1.2607 SGT 5390.4 SGR 420.6 SG3 102.3 ST 2340.5 SR 418.6 SS 483.8
 RDE .4795 RRA .0434 RC3 .0016 FAU .00981 RRT .4414 RRF .4181 RTF .9374 CRT .8652 CRS -.7845 CST -.9893
 FDE .4449 FRA 1.1101 FC3 -.1970 BSP 17749 SGB 5406.8 R23 .0026 R13 .9374 LSA 2416.3 MSA 220.3 SSA 13.5
 BOE 2.3286 BRA 4.1879 BC3 2.1872 FSP -346 SG1 5393.6 SG2 377.2 THA 1.98 EL1 2368.6 EL2 207.4 ALF 8.87

LAUNCH DATE DEC 30 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 579.321

RL 147.11 LAL .00 LOL 98.09 VL 25.805 GAL 10.64 AZL 87.59 HCA 300.62 SMA 116.58 ECC .31675 INC 2.4107 V1 30.285
 RP 108.23 LAP -2.07 LOP 38.73 VP 36.249 GAP 18.02 AZP 88.77 TAL 154.99 TAP 95.61 RCA 79.65 APO 153.50 V2 35.014
 RC 209.146 GL 8.80 GP -4.38 ZAL 46.51 ZAP 174.82 ETS 240.26 ZAE 132.81 ETE 184.65 ZAC 130.30 ETC 167.63 CLP 177.23

PLANETOCENTRIC CONIC

C3 48.648 VHL 6.975 DLA 26.82 RAL 47.30 RAD 6568.8 VEL 13.039 PTH 2.38 VHP 11.498 DPA 7.37 RAP 36.04 ECC 1.8006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 57 3493.20 -20.65 130.47 293.17 70.19 4 17 10 2893.2 -23.17 122.70
 90.00 0 37 19 4022.02 -5.68 162.02 286.41 62.21 1 44 21 3422.0 -9.35 155.27
 100.00 5 12 55 3125.82 -24.15 104.74 294.47 71.83 6 5 0 2525.8 -26.41 96.67
 100.00 1 26 3 3864.64 -2.43 148.68 284.63 60.20 2 30 27 3264.6 -6.38 142.12
 110.00 7 14 52 2744.19 -31.05 78.08 296.78 74.92 8 0 37 2144.2 -32.80 69.30
 110.00 1 40 34 3819.03 3.68 141.43 280.83 55.99 2 44 13 3219.0 -.81 135.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.2811 TRA 4.6610 TC3-1.8981 BAU 1.2345 SGT 5378.4 SGR 414.7 SG3 100.2 ST 2274.6 SR 410.7 SS 479.7
 RDE .4995 RRA .0650 RC3 -.0015 FAU .00870 RRT .4624 RRF .4405 RTF .9432 CRT .8477 CRS -.7688 CST -.9906
 FDE .4351 FRA 1.1757 FC3 -.1548 BSP 17683 SGB 5394.4 R23 .0026 R13 .9432 LSA 2349.8 MSA 226.3 SSA 12.8
 BOE 2.3351 BRA 4.6614 BC3 1.8981 FSP -337 SG1 5381.9 SG2 367.5 THA 2.05 EL1 2301.4 EL2 215.3 ALF 8.78

LAUNCH DATE DEC 30 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 583.721

RL 147.11 LAL .00 LOL 98.09 VL 25.763 GAL 11.83 AZL 87.69 HCA 303.82 SMA 116.36 ECC .33005 INC 2.3125 V1 30.285
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.232 GAP 18.86 AZP 88.71 TAL 153.43 TAP 97.26 RCA 77.95 APO 154.76 V2 35.027
 RC 210.800 GL 7.87 GP -4.32 ZAL 44.30 ZAP 174.38 ETS 232.80 ZAE 132.80 ETE 184.61 ZAC 132.56 ETC 167.30 CLP 176.40

PLANETOCENTRIC CONIC

C3 55.225 VHL 7.431 DLA 26.48 RAL 49.83 RAD 6569.0 VEL 13.289 PTH 2.43 VMP 12.009 OPA 8.28 RAP 38.24 ECC 1.9089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 37 40 3495.93 -20.59 130.65 298.05 70.12 4 35 55 2895.9 -23.11 122.88
 90.00 0 38 49 4082.27 -3.75 165.41 290.42 61.91 1 46 51 3482.3 -7.48 158.71
 100.00 5 29 2 3136.88 -23.92 105.48 299.30 71.51 6 21 19 2536.9 -26.22 97.43
 100.00 1 30 8 3916.54 -6.67 151.53 288.72 60.11 2 35 24 3316.5 -4.65 144.99
 110.00 7 28 40 2762.56 -30.71 79.41 301.65 74.20 8 14 42 2162.6 -32.57 70.68
 110.00 1 46 59 3863.63 5.37 143.77 284.96 56.19 2 51 23 3263.6 .89 137.55

DIFFERENTIAL CORRECTIONS

TDE 2.2777 TRA 5.1632 TC3 -1.6303 BAU 1.2037
 RDE .5192 RRA .0882 RC3 -.0036 FAU .00764
 FDE .4252 FRA 1.2451 FC3 -.1198 BSP 17713
 BDE 2.3361 BRA 5.1640 BC3 1.6303 FSP -331

MID-COURSE EXECUTION ACCURACY

SGT 5360.4 SGR 407.5 SG3 98.1
 RRT .4824 RRF .4618 RTF .9491
 SGB 5375.9 R23 .0022 R13 .9491
 SGI 5364.0 SG2 356.7 TMA 2.11

ORBIT DETERMINATION ACCURACY

ST 2206.6 SR 400.9 SS 476.7
 CRT .8289 CRS -.7524 CST -.9918
 LSA 2281.1 MSA 231.1 SSA 12.1
 EL1 2231.8 EL2 221.7 ALF 8.65

LAUNCH DATE DEC 30 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 587.874

RL 147.11 LAL .00 LOL 98.09 VL 25.723 GAL 13.12 AZL 87.79 HCA 307.03 SMA 116.14 ECC .34491 INC 2.2067 V1 30.285
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.216 GAP 19.80 AZP 88.67 TAL 151.95 TAP 98.98 RCA 76.08 APO 156.20 V2 35.040
 RC 212.427 GL 6.98 GP -4.26 ZAL 42.26 ZAP 173.83 ETS 226.31 ZAE 132.74 ETE 184.57 ZAC 134.79 ETC 166.91 CLP 175.53

PLANETOCENTRIC CONIC

C3 63.071 VHL 7.942 DLA 26.10 RAL 52.18 RAD 6569.2 VEL 13.580 PTH 2.48 VMP 12.579 OPA 9.16 RAP 40.42 ECC 2.0380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 40 3499.18 -20.51 130.86 302.78 70.04 4 54 0 2899.2 -23.05 123.10
 90.00 0 39 29 4143.84 -1.77 168.85 294.29 61.73 1 48 33 3543.8 -5.54 162.19
 100.00 5 44 43 3147.64 -23.68 106.19 303.99 71.20 6 37 11 2547.6 -26.03 98.18
 100.00 1 33 7 3970.62 1.16 154.49 292.66 60.13 2 39 18 3370.6 -2.82 147.97
 110.00 7 42 0 2780.67 -30.37 80.71 306.37 73.50 8 28 21 2180.7 -32.33 72.04
 110.00 1 52 20 3910.36 7.13 146.24 288.96 56.48 2 57 30 3310.4 2.68 139.99

DIFFERENTIAL CORRECTIONS

TDE 2.2754 TRA 5.7033 TC3 -1.3809 BAU 1.1644
 RDE .5386 RRA .1132 RC3 -.0045 FAU .00636
 FDE .4171 FRA 1.3209 FC3 -.0900 BSP 17727
 BDE 2.3382 BRA 5.7044 BC3 1.3809 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 5338.6 SGR 399.1 SG3 96.1
 RRT .5023 RRF .4831 RTF .9549
 SGB 5353.5 R23 .0017 R13 .9549
 SGI 5342.3 SG2 344.9 TMA 2.16

ORBIT DETERMINATION ACCURACY

ST 2142.1 SR 389.5 SS 476.1
 CRT .8094 CRS -.7361 CST -.9930
 LSA 2216.3 MSA 234.3 SSA 11.5
 EL1 2165.4 EL2 226.3 ALF 8.47

LAUNCH DATE DEC 30 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 591.723

RL 147.11 LAL .00 LOL 98.09 VL 25.683 GAL 14.54 AZL 87.91 HCA 310.24 SMA 115.94 ECC .36158 INC 2.0914 V1 30.285
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.201 GAP 20.86 AZP 88.65 TAL 150.57 TAP 100.81 RCA 74.02 APO 157.86 V2 35.053
 RC 214.027 GL 6.12 GP -4.21 ZAL 40.39 ZAP 173.17 ETS 220.75 ZAE 132.64 ETE 184.52 ZAC 136.97 ETC 166.45 CLP 174.61

PLANETOCENTRIC CONIC

C3 72.475 VHL 8.513 DLA 25.70 RAL 54.32 RAD 6569.4 VEL 13.922 PTH 2.54 VMP 13.218 OPA 10.00 RAP 42.58 ECC 2.1928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 51 3503.16 -20.42 131.11 307.36 69.95 5 11 14 2903.2 -22.97 123.36
 90.00 0 39 27 4206.06 .23 172.32 298.01 61.68 1 49 33 3606.1 -3.55 165.68
 100.00 5 59 49 3158.30 -23.45 106.89 308.52 70.91 6 52 27 2558.3 -25.83 98.91
 100.00 1 35 10 4026.14 3.04 157.54 296.45 60.25 2 42 16 3426.1 -.94 151.02
 110.00 7 54 48 2798.53 -30.02 81.98 310.93 72.82 8 41 27 2198.5 -32.07 73.37
 110.00 1 56 40 3958.68 8.94 148.81 292.83 56.87 3 2 39 3358.7 4.52 142.52

DIFFERENTIAL CORRECTIONS

TDE 2.2753 TRA 6.2863 TC3 -1.1503 BAU 1.1146
 RDE .5577 RRA .1399 RC3 -.0045 FAU .00542
 FDE .4106 FRA 1.4039 FC3 -.0647 BSP 17720
 BDE 2.3427 BRA 6.2879 BC3 1.1503 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 5312.8 SGR 389.7 SG3 94.2
 RRT .5219 RRF .5042 RTF .9605
 SGB 5327.0 R23 .0011 R13 .9605
 SGI 5316.7 SG2 332.2 TMA 2.20

ORBIT DETERMINATION ACCURACY

ST 2081.5 SR 376.6 SS 478.2
 CRT .7895 CRS -.7202 CST -.9942
 LSA 2155.8 MSA 235.7 SSA 10.8
 EL1 2102.8 EL2 228.8 ALF 8.23

LAUNCH DATE DEC 30 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 595.193

RL 147.11 LAL .00 LOL 98.09 VL 25.646 GAL 16.09 AZL 88.04 HCA 313.45 SMA 115.74 ECC .38032 INC 1.9645 V1 30.285
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.187 GAP 22.04 AZP 88.65 TAL 149.30 TAP 102.75 RCA 71.72 APO 159.76 V2 35.067
 RC 215.599 GL 5.29 GP -4.16 ZAL 38.68 ZAP 172.40 ETS 216.00 ZAE 132.48 ETE 184.47 ZAC 139.10 ETC 165.92 CLP 173.64

PLANETOCENTRIC CONIC

C3 83.813 VHL 9.155 DLA 25.26 RAL 56.27 RAD 6569.6 VEL 14.323 PTH 2.61 VMP 13.938 OPA 10.79 RAP 44.70 ECC 2.3794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 5 3507.81 -20.31 131.41 311.75 69.84 5 27 33 2907.8 -22.88 123.67
 90.00 0 38 46 4268.39 2.24 175.80 301.58 61.76 1 49 54 3668.4 -1.55 169.17
 100.00 6 14 12 3168.89 -23.21 107.59 312.87 70.61 7 7 1 2568.9 -25.64 99.64
 100.00 1 36 20 4082.53 4.94 160.65 300.09 60.48 2 44 22 3482.5 .97 154.11
 110.00 8 6 58 2816.08 -29.66 83.22 315.29 72.17 8 53 55 2216.1 -31.81 74.67
 110.00 2 0 3 4008.11 10.77 151.47 296.54 57.36 3 6 51 3408.1 6.39 145.12

DIFFERENTIAL CORRECTIONS

TDE 2.2835 TRA 6.9225 TC3 -.9370 BAU 1.0499
 RDE .5766 RRA .1683 RC3 -.0037 FAU .00415
 FDE .4072 FRA 1.4964 FC3 -.0428 BSP 17599
 BDE 2.3552 BRA 6.9246 BC3 .9370 FSP -311

MID-COURSE EXECUTION ACCURACY

SGT 5285.4 SGR 379.3 SG3 92.4
 RRT .5415 RRF .5255 RTF .9660
 SGB 5299.0 R23 .0006 R13 .9660
 SGI 5289.4 SG2 318.6 TMA 2.23

ORBIT DETERMINATION ACCURACY

ST 2027.4 SR 362.6 SS 483.9
 CRT .7700 CRS -.7058 CST -.9952
 LSA 2102.6 MSA 235.0 SSA 10.2
 EL1 2046.8 EL2 229.2 ALF 7.94

LAUNCH DATE DEC 30 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 598.187

RL 147.11 LAL .00 LOL 98.09 VL 25.609 GAL 17.82 AZL 88.18 HCA 316.66 SMA 115.56 ECC .40147 INC 1.8233 V1 30.285
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.174 GAP 23.39 AZP 88.67 TAL 148.17 TAP 104.83 RCA 69.16 APO 161.95 V2 35.080
 RC 217.144 GL 4.50 GP -4.12 ZAL 37.16 ZAP 171.54 ETS 211.93 ZAE 132.26 ETE 184.41 ZAC 141.16 ETC 165.32 CLP 172.60

PLANETOCENTRIC CONIC

C3 97.578 VHL 9.878 DLA 24.80 RAL 58.02 RAD 6569.9 VEL 14.796 PTH 2.67 VMP 14.752 DPA 11.55 RAP 46.77 ECC 2.6059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 20 3512.95 -20.19 131.74 315.92 69.72 5 42 53 2912.9 -22.77 124.02
 90.00 0 37 27 4330.42 4.24 179.27 304.98 61.98 1 49 37 3730.4 .46 172.63
 100.00 6 27 49 3179.33 -22.97 108.28 317.01 70.33 7 20 48 2579.3 -25.44 100.35
 100.00 1 36 39 4139.27 6.83 163.80 303.55 60.83 2 45 38 3539.3 2.89 157.23
 110.00 8 18 27 2833.17 -29.30 84.42 319.44 71.54 9 5 40 2233.2 -31.53 75.93
 110.00 2 2 30 4058.19 12.59 154.21 300.10 57.96 3 10 8 3458.2 8.27 147.78

DIFFERENTIAL CORRECTIONS

TOE 2.2929 TRA 7.6088 TC3 -.7454 BAU .9725
 RDE .5950 RRA .1979 RC3 -.0025 FAU .00280
 FDE .4047 FRA 1.5977 FC3 -.0249 BSP 17593
 BOE 2.3688 BRA 7.6114 BC3 .7455 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 5251.2 SGR 367.6 SG3 90.6
 RRT .5601 RRF .5457 RTF .9712
 SGB 5264.0 R23 -.0001 R13 .9712
 SGI 5255.2 SG2 304.3 TMA 2.25

ORBIT DETERMINATION ACCURACY

ST 1974.3 SR 347.2 SS 491.9
 CRT .7503 CRS -.6914 CST -.9962
 LSA 2050.9 MSA 232.5 SSA 9.6
 EL1 1991.7 EL2 227.5 ALF 7.62

LAUNCH DATE DEC 30 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 600.575

RL 147.11 LAL .00 LOL 98.09 VL 25.575 GAL 19.73 AZL 88.34 HCA 319.87 SMA 115.38 ECC .42544 INC 1.6641 V1 30.285
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.162 GAP 24.93 AZP 88.73 TAL 147.21 TAP 107.08 RCA 66.29 APO 164.47 V2 35.092
 RC 218.662 GL 3.75 GP -4.08 ZAL 35.83 ZAP 170.56 ETS 208.43 ZAE 131.95 ETE 184.35 ZAC 143.13 ETC 164.64 CLP 171.48

PLANETOCENTRIC CONIC

C3 114.420 VHL 10.697 DLA 24.32 RAL 59.55 RAD 6570.2 VEL 15.354 PTH 2.75 VMP 15.680 DPA 12.25 RAP 48.78 ECC 2.8831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 33 3518.28 -20.07 132.08 319.85 69.59 5 57 11 2918.3 -22.67 124.37
 90.00 0 35 28 4391.80 -6.19 182.72 308.19 62.31 1 48 39 3791.8 2.44 176.05
 100.00 6 40 33 3189.40 -22.74 108.93 320.90 70.05 7 33 43 2589.4 -25.25 101.03
 100.00 1 36 8 4195.92 8.70 166.97 306.83 61.29 2 46 4 3595.9 4.80 160.35
 110.00 8 29 10 2849.60 -28.94 85.56 323.34 70.95 9 16 40 2249.6 -31.26 77.13
 110.00 2 4 1 4108.48 14.39 156.99 303.48 58.65 3 12 30 3508.5 10.14 150.47

DIFFERENTIAL CORRECTIONS

TOE 2.3118 TRA 8.5600 TC3 -.5718 BAU .8748
 RDE .6130 RRA .2285 RC3 -.0009 FAU .00126
 FDE .4051 FRA 1.7110 FC3 -.0096 BSP 17556
 BOE 2.3917 BRA 8.5631 BC3 .5718 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 5213.4 SGR 354.7 SG3 88.9
 RRT .5780 RRF .5653 RTF .9760
 SGB 5225.4 R23 -.0007 R13 .9760
 SGI 5217.4 SG2 289.2 TMA 2.26

ORBIT DETERMINATION ACCURACY

ST 1925.7 SR 330.8 SS 503.5
 CRT .7315 CRS -.6784 CST -.9970
 LSA 2004.8 MSA 228.0 SSA 9.0
 EL1 1941.0 EL2 223.8 ALF 7.26

LAUNCH DATE DEC 30 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 602.189

RL 147.11 LAL .00 LOL 98.09 VL 25.544 GAL 21.89 AZL 88.52 HCA 323.09 SMA 115.22 ECC .45271 INC 1.4821 V1 30.285
 RP 107.95 LAP -.89 LOP 61.19 VP 36.152 GAP 26.69 AZP 88.81 TAL 146.43 TAP 109.54 RCA 63.06 APO 167.38 V2 35.105
 RC 220.152 GL 3.02 GP -4.03 ZAL 34.70 ZAP 169.46 ETS 205.38 ZAE 131.54 ETE 184.27 ZAC 145.00 ETC 163.90 CLP 170.26

PLANETOCENTRIC CONIC

C3 135.213 VHL 11.628 DLA 23.83 RAL 60.86 RAD 6570.5 VEL 16.017 PTH 2.82 VMP 16.745 DPA 12.91 RAP 50.71 ECC 3.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 41 3523.42 -19.94 132.40 323.49 69.47 6 10 25 2923.4 -22.56 124.71
 90.00 0 32 45 4452.25 8.09 186.15 311.19 62.77 1 46 57 3852.2 4.37 179.44
 100.00 6 52 22 3198.81 -22.52 109.55 324.52 69.80 7 45 41 2598.8 -25.06 101.67
 100.00 1 34 45 4252.07 10.52 170.15 309.89 61.86 2 45 37 3652.1 6.68 163.47
 110.00 8 39 3 2865.07 -28.59 86.63 326.95 70.41 9 26 48 2265.1 -30.99 78.25
 110.00 2 4 34 4158.60 16.15 159.81 306.64 59.45 3 13 52 3558.6 11.97 153.19

DIFFERENTIAL CORRECTIONS

TOE 2.3433 TRA 9.1844 TC3 -.4159 BAU .7519
 RDE .6306 RRA .2597 RC3 .0009 FAU .00055
 FDE .4087 FRA 1.8384 FC3 .0035 BSP 17499
 BOE 2.4267 BRA 9.1881 BC3 .4159 FSP -295

MID-COURSE EXECUTION ACCURACY

SGT 5171.3 SGR 340.8 SG3 87.3
 RRT .5952 RRF .5841 RTF .9804
 SGB 5182.5 R23 -.0014 R13 .9804
 SGI 5175.3 SG2 273.6 TMA 2.25

ORBIT DETERMINATION ACCURACY

ST 1880.6 SR 313.6 SS 519.2
 CRT .7141 CRS -.6669 CST -.9977
 LSA 1963.5 MSA 221.5 SSA 8.4
 EL1 1894.1 EL2 218.0 ALF 6.88

LAUNCH DATE DEC 30 1965

FLIGHT TIME 214.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 602.800

RL 147.11 LAL .00 LOL 98.09 VL 25.514 GAL 24.33 AZL 88.73 HCA 326.31 SMA 115.07 ECC .48383 INC 1.2703 V1 30.285
 RP 107.91 LAP -.70 LOP 64.41 VP 36.143 GAP 28.73 AZP 88.94 TAL 145.95 TAP 112.26 RCA 59.39 APO 170.74 V2 35.117
 RC 221.615 GL 2.33 GP -3.99 ZAL 33.80 ZAP 168.22 ETS 202.69 ZAE 131.00 ETE 184.18 ZAC 146.75 ETC 163.09 CLP 168.91

PLANETOCENTRIC CONIC

C3 161.136 VHL 12.694 DLA 23.31 RAL 61.92 RAD 6570.8 VEL 16.807 PTH 2.90 VMP 17.973 DPA 13.51 RAP 52.53 ECC 3.6519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 43 3527.92 -19.84 132.69 326.81 69.37 6 22 31 2927.9 -22.47 125.01
 90.00 0 29 11 4511.50 9.92 189.54 313.94 63.34 1 44 23 3911.5 6.26 182.77
 100.00 7 3 11 3207.20 -22.32 110.09 327.81 69.58 7 56 38 2607.2 -24.90 102.24
 100.00 1 32 24 4307.45 12.28 173.32 312.71 62.53 2 44 11 3707.5 8.50 166.56
 110.00 8 48 1 2879.24 -28.26 87.61 330.23 69.92 9 36 0 2279.2 -30.73 79.28
 110.00 2 4 4 4208.18 17.84 162.66 309.57 60.35 3 14 12 3608.2 13.76 155.93

DIFFERENTIAL CORRECTIONS

TOE 2.3956 TRA10.0964 TC3 -.2761 BAU .5947
 RDE .6483 RRA .2911 RC3 .0028 FAU .00280
 FDE .4171 FRA 1.9834 FC3 .0150 BSP 17324
 BOE 2.4817 BRA10.1006 BC3 .2761 FSP -288

MID-COURSE EXECUTION ACCURACY

SGT 5126.6 SGR 325.8 SG3 85.8
 RRT .6115 RRF .6019 RTF .9844
 SGB 5137.0 R23 -.0020 R13 .9843
 SGI 5130.5 SG2 257.6 TMA 2.23

ORBIT DETERMINATION ACCURACY

ST 1840.0 SR 295.7 SS 540.1
 CRT .6988 CRS -.6576 CST -.9983
 LSA 1928.5 MSA 213.2 SSA 7.9
 EL1 1851.7 EL2 210.2 ALF 6.49

LAUNCH DATE DEC 30 1965

FLIGHT TIME 216.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 25.489 GAL 27.12 AZL 88.98 MCA 329.53 SMA 114.94 ECC .51945 INC 1.0194 V1 30.285
 RP 107.87 LAP -.52 LOP 67.62 VP 36.137 GAP 31.12 AZP 89.12 TAL 145.77 TAP 115.30 RCA 55.23 APO 174.64 V2 35.130
 RC 223.050 GL 1.66 GP -3.95 ZAL 33.15 ZAP 166.81 ETS 200.31 ZAE 130.30 ETE 184.08 ZAC 148.34 ETC 162.24 CLP 167.40

PLANETOCENTRIC CONIC

C3 193.800 VHL 13.921 OLA 22.77 RAL 62.71 RAD 6571.1 VEL 17.752 PTH 2.99 VHP 19.399 DPA 14.05 RAP 54.20 ECC 4.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 34 3531.26 -19.76 132.90 329.75 69.29 6 33 25 2931.3 -22.40 125.23
 90.00 0 24 38 4569.36 11.66 192.89 316.39 64.01 1 40 47 3969.4 8.08 186.05
 100.00 7 12 55 3214.12 -22.15 110.54 330.72 69.40 8 6 29 2614.1 -24.76 102.71
 100.00 1 28 58 4361.73 13.96 176.47 315.22 63.30 2 41 40 3761.7 10.27 169.63
 110.00 8 55 58 2891.71 -27.97 88.46 333.13 69.49 9 44 10 2291.7 -30.49 80.17
 110.00 2 2 24 4256.90 19.46 165.51 312.21 61.32 3 13 21 3656.9 15.48 158.65

DIFFERENTIAL CORRECTIONS

TDE 2.4645 TRA11.0974 TC3 -.1538 BAU .3985
 RDE .6656 RRA .3213 RC3 .0046 FAU-.00554
 FDE .4292 FRA 2.1470 FC3 .0248 BSP 17255
 BDE 2.5528 BRA11.1020 BC3 .1538 FSP -284

MID-COURSE EXECUTION ACCURACY

SGT 5074.1 SGR 309.5 SG3 84.4
 RRT .6258 RRF .6176 RTF .9878
 SGB 5083.6 R23 -.0026 R13 .9878
 SG1 5077.8 SG2 241.2 THA 2.19

ORBIT DETERMINATION ACCURACY

ST 1799.2 SR 277.3 SS 565.6
 CRT .6851 CRS -.6494 CST -.9988
 LSA 1895.4 MSA 203.4 SSA 7.3
 EL1 1809.3 EL2 200.9 ALF 6.10

LAUNCH DATE DEC 30 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 25.467 GAL 30.33 AZL 89.28 MCA 332.75 SMA 114.83 ECC .56026 INC .7152 V1 30.285
 RP 107.84 LAP -.33 LOP 70.84 VP 36.133 GAP 33.92 AZP 89.36 TAL 145.99 TAP 118.74 RCA 50.49 APO 179.16 V2 35.141
 RC 224.456 GL 1.03 GP -3.90 ZAL 32.79 ZAP 165.19 ETS 198.17 ZAE 129.41 ETE 183.96 ZAC 149.74 ETC 161.38 CLP 165.71

PLANETOCENTRIC CONIC

C3 235.423 VHL 15.344 OLA 22.20 RAL 63.19 RAD 6571.4 VEL 18.888 PTH 3.07 VHP 21.068 DPA 14.53 RAP 55.69 ECC 4.8745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 8 3532.85 -19.72 133.00 332.26 69.26 6 43 1 2932.8 -22.37 125.33
 90.00 0 18 53 4625.68 13.32 196.20 318.49 64.78 1 35 59 4025.7 9.81 189.28
 100.00 7 21 27 3219.05 -22.04 110.86 333.20 69.28 8 15 6 2619.0 -24.66 103.04
 100.00 1 24 15 4414.71 15.56 179.59 317.39 64.15 2 37 50 3814.7 11.96 172.65
 110.00 9 2 48 2902.01 -27.72 89.15 335.58 69.14 9 51 10 2302.0 -30.29 80.91
 110.00 1 59 24 4304.51 20.99 168.36 314.51 62.38 3 11 9 3704.5 17.12 161.36

DIFFERENTIAL CORRECTIONS

TDE 2.5629 TRA12.2025 TC3 -.0468 BAU .1486
 RDE .6830 RRA .3489 RC3 .0062 FAU-.00906
 FDE .4477 FRA 2.3338 FC3 .0333 BSP 17145
 BDE 2.6523 BRA12.2075 BC3 .0472 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 5015.7 SGR 291.9 SG3 83.1
 RRT .6378 RRF .6308 RTF .9908
 SGB 5024.2 R23 -.0031 R13 .9907
 SG1 5019.2 SG2 224.7 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 1759.5 SR 258.5 SS 597.3
 CRT .6736 CRS -.6431 CST -.9991
 LSA 1866.1 MSA 192.3 SSA 6.7
 EL1 1768.2 EL2 190.1 ALF 5.72

LAUNCH DATE DEC 30 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 7 1966

HELIOCENTRIC CONIC

RL 147.11 LAL .00 LOL 98.09 VL 25.451 GAL 34.07 AZL 89.66 MCA 335.97 SMA 114.75 ECC .60696 INC .3357 V1 30.285
 RP 107.80 LAP -.14 LOP 74.07 VP 36.133 GAP 37.23 AZP 89.69 TAL 146.71 TAP 122.68 RCA 45.10 APO 184.39 V2 35.153
 RC 225.834 GL .42 GP -3.85 ZAL 32.78 ZAP 163.32 ETS 196.23 ZAE 128.28 ETE 183.82 ZAC 150.90 ETC 160.56 CLP 163.76

PLANETOCENTRIC CONIC

C3 289.056 VHL 17.002 OLA 21.60 RAL 63.31 RAD 6571.7 VEL 20.257 PTH 3.15 VHP 23.030 DPA 14.93 RAP 56.95 ECC 5.7571
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 21 3532.03 -19.74 132.95 334.26 69.27 6 51 13 2932.0 -22.38 125.28
 90.00 0 11 40 4680.41 14.88 199.46 320.17 65.63 1 29 40 4080.4 11.47 192.44
 100.00 7 28 41 3221.39 -21.98 111.01 335.17 69.21 8 22 22 2621.4 -24.61 103.20
 100.00 1 18 1 4466.29 17.06 182.68 319.13 65.08 2 32 27 3866.3 13.56 175.64
 110.00 9 8 20 2909.61 -27.53 89.67 337.51 68.89 9 56 50 2309.6 -30.15 81.45
 110.00 1 54 51 4350.83 22.42 171.19 316.39 63.50 3 7 22 3750.8 18.68 164.05

DIFFERENTIAL CORRECTIONS

TDE 2.6984 TRA13.4167 TC3 .0453 BAU .1775
 RDE .7008 RRA .3717 RC3 .0075 FAU-.01364
 FDE .4740 FRA 2.5475 FC3 .0409 BSP 17002
 BDE 2.7879 BRA13.4219 BC3 .0459 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 4949.7 SGR 273.1 SG3 81.8
 RRT .6464 RRF .6404 RTF .9932
 SGB 4957.3 R23 -.0036 R13 .9932
 SG1 4952.9 SG2 208.2 THA 2.05

ORBIT DETERMINATION ACCURACY

ST 1719.1 SR 239.6 SS 636.3
 CRT .6645 CRS -.6385 CST -.9994
 LSA 1839.9 MSA 180.2 SSA 6.2
 EL1 1726.6 EL2 178.3 ALF 5.35

LAUNCH DATE DEC 31 1965

FLIGHT TIME 70.00

ARRIVAL DATE MAR 11 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 99.11 VL 29.873 GAL -15.10 AZL 87.04 MCA 97.62 SMA 145.52 ECC .26073 INC 2.9555 V1 30.286
 RP 107.90 LAP 2.93 LOP 196.74 VP 39.343 GAP -2.02 AZP 90.39 TAL 252.59 TAP 350.21 RCA 107.58 APO 183.46 V2 35.120
 RC 71.643 GL 10.67 GP 11.44 ZAL 164.85 ZAP 69.50 ETS 353.51 ZAE 175.55 ETE 78.93 ZAC 41.22 ETC 169.25 CLP -69.06

PLANETOCENTRIC CONIC

C3 64.540 VHL 8.034 OLA -11.40 RAL 289.99 RAD 6569.2 VEL 13.634 PTH 2.49 VHP 4.576 DPA -9.77 RAP 308.14 ECC 2.0622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 57 2143.21 -17.78 37.01 168.48 112.41 2 8 40 1543.2 -14.58 29.79
 90.00 10 35 36 5510.91 28.31 255.67 177.24 89.64 12 7 27 4910.9 27.96 247.02
 100.00 2 48 32 1899.34 -19.21 18.44 167.84 113.35 3 20 12 1299.3 -15.89 11.23
 100.00 12 2 42 5230.01 29.87 234.98 177.22 88.89 13 29 52 4630.0 29.40 226.21
 110.00 3 43 46 1726.40 -23.01 3.45 165.97 116.00 4 12 32 1126.4 -19.33 356.25
 110.00 13 23 58 4975.71 34.05 215.49 177.03 86.81 14 46 54 4375.7 33.24 206.34

DIFFERENTIAL CORRECTIONS

TDE -.0657 TRA -.7625 TC3 -.0520 BAU .0689
 RDE -.5329 RRA .1947 RC3 .0606 FAU .10876
 FDE .2709 FRA -1.6247 FC3 -1.4590 BSP 961
 BDE .5369 BRA .7870 BC3 .0798 FSP -672

MID-COURSE EXECUTION ACCURACY

SGT 563.0 SGR 417.1 SG3 227.4
 RRT -.2935 RRF -.4271 RTF .5686
 SGB 700.7 R23 .1188 R13 -.6191
 SG1 587.2 SG2 382.3 THA 158.02

ORBIT DETERMINATION ACCURACY

ST 172.9 SR 382.4 SS 162.1
 CRT .1623 CRS .5659 CST -.7074
 LSA 394.9 MSA 214.7 SSA 19.3
 EL1 383.7 EL2 170.1 ALF 84.77

LAUNCH DATE DEC 31 1965

FLIGHT TIME 72.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC

DISTANCE 217.959

RL 147.10 LAL .00 LOL 99.11 VL 29.846 GAL -14.93 AZL 87.12 HCA 100.84 SMA 145.26 ECC .25800 INC 2.8798 V1 30.286
 RP 107.94 LAP 2.83 LOP 199.97 VP 39.311 GAP -1.39 AZP 90.54 TAL 252.35 TAP 353.19 RCA 107.79 APO 182.74 V2 35.108
 RC 73.845 GL 10.51 GP 11.90 ZAL 164.85 ZAP 74.61 ETS 354.43 ZAE 174.27 ETE 115.60 ZAC 39.24 ETC 169.76 CLP -74.26

PLANETOCENTRIC CONIC

C3 63.031 VHL 7.939 DLA -11.54 RAL 290.15 RAD 6569.2 VEL 13.579 PTH 2.48 VHP 4.441 DPA -9.72 RAP 306.12 ECC 2.0373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 41 2133.10 -17.51 36.39 168.25 112.61 2 10 14 1533.1 -14.30 29.19
 90.00 10 35 8 5509.62 28.31 255.57 177.03 89.59 12 6 58 4909.6 27.96 246.92
 100.00 2 50 11 1889.48 -18.94 17.83 167.61 113.56 3 21 41 1289.5 -15.60 10.64
 100.00 12 2 19 5228.47 29.87 234.87 177.00 88.83 13 29 27 4628.5 29.39 226.10
 110.00 3 45 14 1717.09 -22.73 2.87 165.73 116.24 4 13 51 1117.1 -19.02 355.70
 110.00 13 23 45 4973.64 34.04 215.33 176.81 86.72 14 46 39 4373.6 33.21 206.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0549 TRA -.8242 TC3 -.0948 BAU .1004 SGT 626.8 SGR 422.7 SG3 241.9 ST 186.4 SR 380.8 SS 164.9
 RDE -.5240 RRA .2039 RC3 .0721 FAU .11452 RRT -.3527 RRF -.4631 RTF .6422 CRT .0953 CRS .5589 CST -.7589
 FDE .2723 FRA -1.6960 FC3 -1.5729 BSP 1224 SGB 756.0 R23 .1108 R13 -.6812 LSA 393.3 MSA 227.8 SSA 19.3
 BDE .5269 BRA .8491 BC3 .1192 FSP -726 SG1 654.1 SG2 379.0 THA 159.44 EL1 381.4 EL2 185.3 ALF 86.50

LAUNCH DATE DEC 31 1965

FLIGHT TIME 74.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 224.411

RL 147.10 LAL .00 LOL 99.11 VL 29.811 GAL -14.77 AZL 87.20 HCA 104.06 SMA 144.94 ECC .25534 INC 2.8026 V1 30.286
 RP 107.98 LAP 2.72 LOP 203.19 VP 39.274 GAP -.80 AZP 90.68 TAL 251.99 TAP 356.05 RCA 107.93 APO 181.95 V2 35.095
 RC 76.070 GL 10.35 GP 12.33 ZAL 164.82 ZAP 79.68 ETS 355.38 ZAE 171.67 ETE 134.68 ZAC 37.29 ETC 170.30 CLP -79.43

PLANETOCENTRIC CONIC

C3 61.550 VHL 7.845 DLA -11.67 RAL 290.37 RAD 6569.1 VEL 13.524 PTH 2.47 VHP 4.337 DPA -9.66 RAP 304.14 ECC 2.0130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 42 2122.78 -17.24 35.75 168.08 112.82 2 12 5 1522.8 -14.00 28.57
 90.00 10 34 53 5508.44 28.31 255.49 176.87 89.55 12 6 41 4908.4 27.95 246.84
 100.00 2 52 8 1879.42 -18.67 17.21 167.43 113.78 3 23 27 1279.4 -15.30 10.04
 100.00 12 2 8 5227.03 29.87 234.76 176.84 88.77 13 29 15 4627.0 29.38 225.99
 110.00 3 47 0 1707.59 -22.44 2.28 165.54 116.49 4 15 27 1107.6 -18.71 355.15
 110.00 13 23 45 4971.63 34.04 215.17 176.65 86.62 14 46 37 4371.6 33.19 206.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0446 TRA -.8904 TC3 -.1423 BAU .1360 SGT 701.3 SGR 427.8 SG3 254.3 ST 202.0 SR 378.0 SS 166.5
 RDE -.5134 RRA .2123 RC3 .0839 FAU .11923 RRT -.4077 RRF -.4976 RTF .7008 CRT .0358 CRS .5506 CST -.8020
 FDE .2688 FRA -1.7470 FC3 -1.6770 BSP 1517 SGB 821.5 R23 .1053 R13 -.7307 LSA 390.7 MSA 241.5 SSA 19.4
 BDE .5153 BRA .9153 BC3 .1652 FSP -773 SG1 731.0 SG2 374.7 THA 160.81 EL1 378.1 EL2 201.8 ALF 88.47

LAUNCH DATE DEC 31 1965

FLIGHT TIME 76.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 230.817

RL 147.10 LAL .00 LOL 99.11 VL 29.770 GAL -14.61 AZL 87.28 HCA 107.28 SMA 144.55 ECC .25274 INC 2.7232 V1 30.286
 RP 108.02 LAP 2.60 LOP 206.41 VP 39.231 GAP -.24 AZP 90.81 TAL 251.52 TAP 358.79 RCA 108.02 APO 181.08 V2 35.082
 RC 78.316 GL 10.17 GP 12.74 ZAL 164.75 ZAP 84.66 ETS 356.37 ZAE 168.64 ETE 144.36 ZAC 35.43 ETC 170.87 CLP -84.52

PLANETOCENTRIC CONIC

C3 60.086 VHL 7.752 DLA -11.81 RAL 290.65 RAD 6569.1 VEL 13.470 PTH 2.46 VHP 4.262 DPA -9.59 RAP 302.24 ECC 1.9889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 1 2112.16 -16.96 35.10 167.96 113.02 2 14 13 1512.2 -13.70 27.94
 90.00 10 34 49 5507.37 28.31 255.41 176.77 89.51 12 6 36 4907.4 27.94 246.76
 100.00 2 54 21 1869.08 -18.38 16.58 167.31 113.99 3 25 30 1269.1 -14.99 9.43
 100.00 12 2 9 5225.68 29.87 234.66 176.74 88.72 13 29 15 4625.7 29.37 225.89
 110.00 3 49 2 1697.84 -22.15 1.68 165.41 116.73 4 17 20 1097.8 -18.58 354.58
 110.00 13 23 58 4969.68 34.03 215.02 176.54 86.54 14 46 47 4369.7 33.17 205.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0354 TRA -.9602 TC3 -.1941 BAU .1739 SGT 785.5 SGR 432.1 SG3 264.3 ST 219.3 SR 373.7 SS 167.0
 RDE -.5011 RRA .2196 RC3 .0958 FAU .12276 RRT -.4573 RRF -.5301 RTF .7462 CRT -.0141 CRS .5403 CST -.8371
 FDE .2600 FRA -1.7763 FC3 -1.7687 BSP 1838 SGB 896.5 R23 .1023 R13 -.7691 LSA 387.3 MSA 255.5 SSA 19.5
 BDE .5023 BRA .9850 BC3 .2165 FSP -815 SG1 816.8 SG2 369.6 THA 162.10 EL1 373.7 EL2 219.2 ALF 90.72

LAUNCH DATE DEC 31 1965

FLIGHT TIME 78.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 237.177

RL 147.10 LAL .00 LOL 99.11 VL 29.723 GAL -14.44 AZL 87.36 HCA 110.49 SMA 144.11 ECC .25019 INC 2.6410 V1 30.286
 RP 108.06 LAP 2.47 LOP 209.62 VP 39.184 GAP .29 AZP 90.93 TAL 250.94 TAP 1.43 RCA 108.05 APO 180.16 V2 35.069
 RC 80.581 GL 9.97 GP 13.13 ZAL 164.65 ZAP 89.50 ETS 357.39 ZAE 165.51 ETE 149.95 ZAC 35.69 ETC 171.47 CLP -89.49

PLANETOCENTRIC CONIC

C3 58.632 VHL 7.657 DLA -11.96 RAL 290.99 RAD 6569.1 VEL 13.416 PTH 2.45 VHP 4.213 DPA -9.50 RAP 300.46 ECC 1.9649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 37 2101.14 -16.66 34.42 167.89 113.23 2 16 38 1501.1 -13.38 27.29
 90.00 10 34 54 5506.43 28.31 255.34 176.72 89.47 12 6 40 4906.4 27.94 246.69
 100.00 2 56 52 1858.36 -18.09 15.92 167.24 114.21 3 27 50 1258.4 -14.66 8.80
 100.00 12 2 20 5224.44 29.87 234.57 176.69 88.67 13 29 24 4624.4 29.36 225.80
 110.00 3 51 20 1687.74 -21.84 1.06 165.32 116.98 4 19 28 1087.7 -18.04 353.99
 110.00 13 24 20 4967.83 34.02 214.87 176.48 86.45 14 47 8 4367.8 33.15 205.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0278 TRA -1.0324 TC3 -.2498 BAU .2131 SGT 877.7 SGR 435.5 SG3 271.1 ST 238.1 SR 368.5 SS 166.5
 RDE -.4875 RRA .2252 RC3 .1072 FAU .12478 RRT -.5003 RRF -.5608 RTF .7804 CRT -.0535 CRS .5363 CST -.8601
 FDE .2524 FRA -1.7780 FC3 -1.8425 BSP 2178 SGB 979.8 R23 .1025 R13 -.7983 LSA 383.8 MSA 269.3 SSA 19.5
 BDE .4883 BRA 1.0566 BC3 .2718 FSP -.837 SG1 909.8 SG2 363.8 THA 163.31 EL1 368.8 EL2 237.5 ALF 93.39

LAUNCH DATE DEC 31 1965

FLIGHT TIME 80.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 243.494

RL 147.10 LAL .00 LOL 99.11 VL 29.670 GAL -14.27 AZL 87.44 MCA 113.70 SMA 143.62 ECC .24767 INC 2.5553 V1 30.286
 RP 108.10 LAP 2.34 LOP 212.83 VP 39.132 GAP .79 AZP 91.03 TAL 250.28 TAP 3.98 RCA 108.05 APO 179.19 V2 35.056
 RC 82.862 GL 9.76 GP 13.50 ZAL 164.51 ZAP 94.17 ETS 358.44 ZAE 162.41 ETE 153.55 ZAC 32.12 ETC 172.10 CLP -94.29

PLANETOCENTRIC CONIC

C3 57.181 VML 7.562 DLA -12.12 RAL 291.38 RAD 6569.0 VEL 13.362 PTH 2.44 VHP 4.188 DPA -9.37 RAP 298.86 ECC 1.9411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 31 2089.62 -16.35 33.72 167.87 113.44 2 19 20 1489.6 -13.04 26.61
 90.00 10 35 6 5505.69 28.31 255.28 176.71 89.45 12 6 52 4905.7 27.94 246.64
 100.00 2 59 40 1847.16 -17.77 15.24 167.21 114.44 3 30 27 1247.2 -14.33 8.14
 100.00 12 2 38 5223.39 29.86 234.49 176.68 88.63 13 29 41 4623.4 29.35 225.72
 110.00 3 53 56 1677.21 -21.51 .42 165.29 117.23 4 21 53 1077.2 -17.69 353.38
 110.00 13 24 51 4966.10 34.01 214.74 176.47 86.37 14 47 37 4366.1 33.14 205.61

DIFFERENTIAL CORRECTIONS

TDE -.0221 TRA-1.1058 TC3 -.3086 BAU .2528
 RDE -.4719 RRA .2299 RC3 .1188 FAU .12581
 FDE .2356 FRA-1.7639 FC3-1.9048 BSP 2534
 BDE .4724 BRA 1.1294 BC3 .3307 FSP -861

MID-COURSE EXECUTION ACCURACY

SGT 976.0 SGR 438.0 SG3 275.9
 RRT -.5393 RRF -.5898 RTF .8063
 SGB 1069.8 R23 .1037 R13 -.8205
 SG1 1008.4 SG2 357.0 TMA 164.39

ORBIT DETERMINATION ACCURACY

ST 258.0 SR 361.6 SS 164.8
 CRT -.0840 CRS .5234 CST -.8819
 LSA 379.4 MSA 283.1 SSA 19.6
 EL1 362.9 EL2 256.2 ALF 96.86

LAUNCH DATE DEC 31 1965

FLIGHT TIME 82.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 249.771

RL 147.10 LAL .00 LOL 99.11 VL 29.613 GAL -14.10 AZL 87.53 MCA 116.91 SMA 143.09 ECC .24520 INC 2.4654 V1 30.286
 RP 108.14 LAP 2.20 LOP 216.04 VP 39.077 GAP 1.27 AZP 91.12 TAL 249.53 TAP 6.44 RCA 108.01 APO 178.18 V2 35.043
 RC 85.157 GL 9.53 GP 13.86 ZAL 164.34 ZAP 98.63 ETS 359.52 ZAE 159.41 ETE 156.01 ZAC 30.74 ETC 172.77 CLP -98.89

PLANETOCENTRIC CONIC

C3 55.730 VML 7.465 DLA -12.30 RAL 291.82 RAD 6569.0 VEL 13.307 PTH 2.43 VHP 4.183 DPA -9.21 RAP 297.45 ECC 1.9172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 44 2077.46 -16.02 32.98 167.88 113.66 2 22 21 1477.5 -12.69 25.89
 90.00 10 35 24 5505.21 28.31 255.25 176.75 89.43 12 7 9 4905.2 27.93 246.60
 100.00 3 2 46 1835.34 -17.44 14.52 167.22 114.67 3 33 22 1235.3 -13.97 7.45
 100.00 12 3 2 5222.57 29.86 234.43 176.72 88.60 13 30 5 4622.6 29.35 225.66
 110.00 3 56 48 1666.13 -21.16 359.75 165.29 117.49 4 24 34 1066.1 -17.31 352.74
 110.00 13 25 30 4964.54 34.01 214.62 176.50 86.30 14 48 14 4364.5 33.12 205.49

DIFFERENTIAL CORRECTIONS

TDE -.0183 TRA-1.1792 TC3 -.3701 BAU .2923
 RDE -.4551 RRA .2328 RC3 .1300 FAU .12547
 FDE .2205 FRA-1.7260 FC3-1.9491 BSP 2896
 BDE .4555 BRA 1.2019 BC3 .3923 FSP -866

MID-COURSE EXECUTION ACCURACY

SGT 1078.7 SGR 439.5 SG3 277.8
 RRT -.5732 RRF -.6171 RTF .8252
 SGB 1164.8 R23 .1078 R13 -.8368
 SG1 1111.0 SG2 349.6 TMA 165.38

ORBIT DETERMINATION ACCURACY

ST 278.7 SR 353.6 SS 162.3
 CRT -.1058 CRS .5159 CST -.8955
 LSA 376.1 MSA 295.4 SSA 19.6
 EL1 356.7 EL2 274.8 ALF 101.88

LAUNCH DATE DEC 31 1965

FLIGHT TIME 84.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 256.008

RL 147.10 LAL .00 LOL 99.11 VL 29.551 GAL -13.93 AZL 87.63 MCA 120.11 SMA 142.53 ECC .24276 INC 2.3704 V1 30.286
 RP 108.18 LAP 2.05 LOP 219.25 VP 39.018 GAP 1.72 AZP 91.19 TAL 248.71 TAP 8.82 RCA 107.93 APO 177.13 V2 35.030
 RC 87.465 GL 9.27 GP 14.23 ZAL 164.13 ZAP 102.85 ETS .64 ZAE 156.54 ETE 157.76 ZAC 29.58 ETC 173.50 CLP -103.27

PLANETOCENTRIC CONIC

C3 54.276 VML 7.367 DLA -12.49 RAL 292.31 RAD 6569.0 VEL 13.253 PTH 2.42 VHP 4.196 DPA -9.00 RAP 296.26 ECC 1.8933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 18 2064.51 -15.67 32.20 167.94 113.89 2 25 42 1464.5 -12.31 25.13
 90.00 10 35 44 5505.13 28.31 255.24 176.83 89.42 12 7 29 4905.1 27.93 246.60
 100.00 3 6 13 1822.78 -17.08 13.76 167.27 114.91 3 36 36 1222.8 -13.58 6.71
 100.00 12 3 30 5222.10 29.86 234.39 176.80 88.58 13 30 32 4622.1 29.35 225.63
 110.00 4 0 0 1654.37 -20.79 359.04 165.33 117.76 4 27 34 1054.4 -16.91 352.06
 110.00 13 26 13 4963.27 34.00 214.52 176.58 86.24 14 48 56 4363.3 33.11 205.39

DIFFERENTIAL CORRECTIONS

TDE -.0174 TRA-1.2520 TC3 -.4341 BAU .3313
 RDE -.4365 RRA .2347 RC3 .1414 FAU .12432
 FDE .1976 FRA-1.6767 FC3-1.9829 BSP 3270
 BDE .4368 BRA 1.2738 BC3 .4566 FSP -873

MID-COURSE EXECUTION ACCURACY

SGT 1184.9 SGR 440.0 SG3 277.9
 RRT -.6044 RRF -.6435 RTF .8394
 SGB 1263.9 R23 .1130 R13 -.8492
 SG1 1217.0 SG2 341.3 TMA 166.25

ORBIT DETERMINATION ACCURACY

ST 300.1 SR 344.1 SS 158.8
 CRT -.1191 CRS .4989 CST -.9089
 LSA 374.2 MSA 305.4 SSA 19.7
 EL1 350.7 EL2 292.3 ALF 110.47

LAUNCH DATE DEC 31 1965

FLIGHT TIME 86.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 262.208

RL 147.10 LAL .00 LOL 99.11 VL 29.486 GAL -13.75 AZL 87.73 MCA 123.32 SMA 141.95 ECC .24035 INC 2.2690 V1 30.286
 RP 108.22 LAP 1.90 LOP 222.45 VP 38.957 GAP 2.15 AZP 91.25 TAL 247.81 TAP 11.12 RCA 107.83 APO 176.06 V2 35.016
 RC 89.783 GL 8.98 GP 14.62 ZAL 163.89 ZAP 106.83 ETS 1.81 ZAE 153.84 ETE 159.02 ZAC 28.64 ETC 174.28 CLP -107.41

PLANETOCENTRIC CONIC

C3 52.818 VML 7.268 DLA -12.70 RAL 292.85 RAD 6568.9 VEL 13.198 PTH 2.41 VHP 4.223 DPA -8.74 RAP 295.29 ECC 1.8692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 15 2050.59 -15.28 31.36 168.03 114.13 2 29 25 1450.6 -11.89 24.32
 90.00 10 36 5 5505.57 28.31 255.28 176.95 89.44 12 7 50 4905.6 27.93 246.63
 100.00 3 10 2 1809.28 -16.69 12.94 167.36 115.16 3 40 12 1209.3 -13.16 5.93
 100.00 12 3 58 5222.11 29.86 234.40 176.92 88.58 13 31 1 4622.1 29.35 225.63
 110.00 4 3 31 1641.78 -20.39 358.28 165.40 118.05 4 30 53 1041.8 -16.48 351.34
 110.00 13 26 59 4962.37 34.00 214.45 176.70 86.20 14 49 41 4362.4 33.10 205.33

DIFFERENTIAL CORRECTIONS

TDE -.0196 TRA-1.3233 TC3 -.5006 BAU .3696
 RDE -.4164 RRA .2354 RC3 .1530 FAU .12236
 FDE .1718 FRA-1.6155 FC3-2.0056 BSP 3653
 BDE .4168 BRA 1.3441 BC3 .5234 FSP -874

MID-COURSE EXECUTION ACCURACY

SGT 1293.5 SGR 439.8 SG3 276.2
 RRT -.6332 RRF -.6693 RTF .8500
 SGB 1366.3 R23 .1201 R13 -.8583
 SG1 1325.2 SG2 332.2 TMA 167.02

ORBIT DETERMINATION ACCURACY

ST 321.9 SR 333.2 SS 154.6
 CRT -.1247 CRS .4776 CST -.9201
 LSA 376.7 MSA 310.4 SSA 19.7
 EL1 348.2 EL2 305.7 ALF 127.26

LAUNCH DATE DEC 31 1965

FLIGHT TIME 88.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 268.373

RL 147.10 LAL .00 LOL 99.11 VL 29.418 GAL -13.57 AZL 87.84 MCA 126.52 SMA 141.34 ECC .23799 INC 2.1599 V1 30.286
 RP 108.26 LAP 1.74 LOP 225.65 VP 38.893 GAP 2.56 AZP 91.29 TAL 246.84 TAP 13.36 RCA 107.70 APO 174.98 V2 35.003
 RC 92.112 GL 8.65 GP 15.03 ZAL 163.62 ZAP 110.56 ETS 3.03 ZAE 151.30 ETE 159.92 ZAC 27.94 ETC 175.15 CLP-111.32

PLANETOCENTRIC CONIC

C3 51.352 VML 7.166 OLA -12.94 RAL 293.43 RAD 6568.9 VEL 13.142 PTH 2.40 VMP 4.265 DPA -8.41 RAP 294.55 ECC 1.8451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 38 2035.45 -14.86 30.45 168.16 114.39 2 33 33 1435.5 -11.44 25.44
 90.00 10 36 22 5506.74 28.31 255.36 177.11 89.48 12 8 9 4906.7 27.94 246.72
 100.00 3 14 16 1794.64 -16.26 12.07 167.48 115.43 3 44 11 1194.6 -12.71 5.08
 100.00 12 4 25 5222.78 29.86 234.45 177.08 88.61 13 31 28 4622.8 29.35 225.68
 110.00 4 7 25 1628.18 -19.95 357.47 165.51 118.35 4 34 34 1028.2 -16.01 350.57
 110.00 13 27 45 4962.01 34.00 214.42 176.86 86.18 14 50 27 4362.0 33.09 205.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0245 TRA-1.3916 TC3 -.5688 BAU .4065 SGT 1402.9 SGR 438.8 SG3 272.5 ST 343.9 SR 321.4 SS 149.8
 RDE -.3954 RRA .2346 RC3 .1645 FAU .11930 RRT -.6590 RRF -.6947 RTF .8573 CRT -.1245 CRS .4601 CST -.9267
 FDE .1489 FRA-1.5394 FC3-2.0147 BSP 4021 SGB 1470.0 R23 .1303 R13 -.8647 LSA 385.1 MSA 308.7 SSA 19.8
 BDE .3961 BRA 1.4113 BC3 .5921 FSP -.859 SG1 1434.1 SG2 322.9 TMA 167.72 EL1 345.6 EL2 308.4 ALF 149.27

LAUNCH DATE DEC 31 1965

FLIGHT TIME 90.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 274.505

RL 147.10 LAL .00 LOL 99.11 VL 29.347 GAL -13.38 AZL 87.96 MCA 129.72 SMA 140.71 ECC .23566 INC 2.0415 V1 30.286
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.828 GAP 2.94 AZP 91.31 TAL 245.81 TAP 15.53 RCA 107.55 APO 173.87 V2 34.990
 RC 94.449 GL 8.28 GP 15.50 ZAL 163.31 ZAP 114.03 ETS 4.33 ZAE 148.94 ETE 160.52 ZAC 27.47 ETC 176.11 CLP-115.00

PLANETOCENTRIC CONIC

C3 49.881 VML 7.063 OLA -13.21 RAL 294.07 RAD 6568.8 VEL 13.086 PTH 2.39 VMP 4.317 DPA -8.01 RAP 294.03 ECC 1.8209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 32 2018.82 -14.39 29.45 168.32 114.65 2 38 11 1418.8 -10.94 22.47
 90.00 10 36 32 5508.90 28.31 255.52 177.32 89.56 12 8 21 4908.9 27.95 246.87
 100.00 3 19 0 1778.58 -15.79 11.11 167.64 115.71 3 48 38 1178.6 -12.20 4.15
 100.00 12 4 46 5224.37 29.87 234.56 177.29 88.67 13 31 50 4624.4 29.36 225.80
 110.00 4 11 45 1613.33 -19.47 356.59 165.65 118.67 4 38 39 1013.3 -15.49 349.73
 110.00 13 28 29 4962.39 34.00 214.45 177.07 86.20 14 51 11 4362.4 33.10 205.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0336 TRA-1.4573 TC3 -.6395 BAU .4425 SGT 1513.8 SGR 437.6 SG3 268.0 ST 366.3 SR 308.0 SS 144.4
 RDE -.3727 RRA .2330 RC3 .1768 FAU .11632 RRT -.6841 RRF -.7203 RTF .8628 CRT -.1169 CRS .4287 CST -.9354
 FDE .1192 FRA-1.4605 FC3-2.0188 BSP 4405 SGB 1575.8 R23 .1421 R13 -.8695 LSA 398.2 MSA 301.6 SSA 19.8
 BDE .3742 BRA 1.4759 BC3 .6635 FSP -.849 SG1 1544.4 SG2 312.9 TMA 168.33 EL1 371.8 EL2 301.4 ALF 163.08

LAUNCH DATE DEC 31 1965

FLIGHT TIME 92.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 280.606

RL 147.10 LAL .00 LOL 99.11 VL 29.273 GAL -13.19 AZL 88.09 MCA 132.91 SMA 140.07 ECC .23339 INC 1.9117 V1 30.286
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.761 GAP 3.31 AZP 91.30 TAL 244.72 TAP 17.64 RCA 107.38 APO 172.77 V2 34.977
 RC 96.794 GL 7.85 GP 16.02 ZAL 162.98 ZAP 117.25 ETS 5.72 ZAE 146.74 ETE 160.88 ZAC 27.22 ETC 177.18 CLP-118.45

PLANETOCENTRIC CONIC

C3 48.404 VML 6.957 OLA -13.53 RAL 294.75 RAD 6568.8 VEL 13.029 PTH 2.38 VMP 4.379 DPA -7.51 RAP 293.73 ECC 1.7966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 10 2 2000.31 -13.86 28.35 168.52 114.94 2 43 23 1400.3 -10.38 21.40
 90.00 10 36 29 5512.39 28.32 255.77 177.38 89.69 12 8 21 4912.4 27.97 247.13
 100.00 3 24 17 1760.75 -15.26 10.05 167.83 116.02 3 53 38 1160.8 -11.64 3.13
 100.00 12 4 55 5227.18 29.87 234.77 177.55 88.78 13 32 2 4627.2 29.38 226.00
 110.00 4 16 36 1596.92 -18.93 355.62 165.83 119.01 4 43 13 996.9 -14.92 348.80
 110.00 13 29 6 4963.78 34.00 214.56 177.34 86.26 14 51 50 4363.8 33.11 205.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0470 TRA-1.5194 TC3 -.7129 BAU .4774 SGT 1625.4 SGR 436.4 SG3 262.7 ST 389.2 SR 293.2 SS 138.8
 RDE -.3488 RRA .2304 RC3 .1900 FAU .11277 RRT -.7081 RRF -.7463 RTF .8666 CRT -.1027 CRS .3875 CST -.9442
 FDE .0868 FRA-1.3769 FC3-2.0169 BSP 4794 SGB 1683.0 R23 .1565 R13 -.8728 LSA 414.7 MSA 290.5 SSA 19.9
 BDE .3519 BRA 1.5368 BC3 .7378 FSP -.837 SG1 1655.6 SG2 302.6 TMA 168.86 EL1 391.8 EL2 289.7 ALF 170.15

LAUNCH DATE DEC 31 1965

FLIGHT TIME 94.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 286.678

RL 147.10 LAL .00 LOL 99.11 VL 29.198 GAL -12.99 AZL 88.23 MCA 136.11 SMA 139.43 ECC .23116 INC 1.7679 V1 30.286
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.692 GAP 3.66 AZP 91.27 TAL 243.58 TAP 19.69 RCA 107.20 APO 171.65 V2 34.984
 RC 99.145 GL 7.36 GP 16.64 ZAL 162.61 ZAP 120.21 ETS 7.23 ZAE 144.69 ETE 161.02 ZAC 27.19 ETC 178.37 CLP-121.68

PLANETOCENTRIC CONIC

C3 46.921 VML 6.850 OLA -13.90 RAL 295.49 RAD 6568.8 VEL 12.972 PTH 2.37 VMP 4.451 DPA -6.91 RAP 293.62 ECC 1.7722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 18 1979.44 -13.26 27.11 168.77 115.25 2 49 17 1379.4 -9.75 20.19
 90.00 10 36 7 5517.68 28.32 256.16 177.89 89.89 12 8 4 4917.7 28.00 247.51
 100.00 3 30 17 1740.71 -14.66 8.86 168.07 116.34 3 59 18 1140.7 -11.00 1.98
 100.00 12 4 48 5231.65 29.88 235.10 177.87 88.95 13 32 0 4631.7 29.41 226.33
 110.00 4 22 3 1578.58 -18.32 354.55 166.05 119.37 4 48 22 978.6 -14.27 347.78
 110.00 13 29 32 4966.54 34.02 214.77 177.68 86.39 14 52 18 4366.5 33.14 205.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0642 TRA-1.5762 TC3 -.7882 BAU .5107 SGT 1736.0 SGR 439.3 SG3 256.0 ST 412.3 SR 277.5 SS 132.9
 RDE -.3241 RRA .2262 RC3 .2038 FAU .10872 RRT -.7302 RRF -.7723 RTF .8688 CRT -.0834 CRS .3443 CST -.9510
 FDE .0569 FRA-1.2855 FC3-2.0060 BSP 5158 SGB 1789.7 R23 .1747 R13 -.8747 LSA 433.1 MSA 276.8 SSA 20.0
 BDE .3304 BRA 1.5924 BC3 .8141 FSP -.813 SG1 1765.7 SG2 292.4 TMA 169.33 EL1 413.4 EL2 275.7 ALF 174.20

LAUNCH DATE DEC 31 1965

FLIGHT TIME 96.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 292.723

RL 147.10 LAL .00 LOL 99.11 VL 29.121 GAL -12.79 AZL 88.39 MCA 139.30 SMA 138.77 ECC .22898 INC 1.6064 V1 30.286
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.622 GAP 3.99 AZP 91.22 TAL 242.40 TAP 21.69 RCA 106.99 APO 170.55 V2 34.951
 RC 101.502 GL 6.78 GP 17.36 ZAL 162.21 ZAP 122.92 ETS 8.88 ZAE 142.77 ETE 160.96 ZAC 27.37 ETC 179.71 CLP-124.71

PLANETOCENTRIC CONIC

C3 45.435 VHL 6.741 OLA -14.36 RAL 296.28 RAD 6568.7 VEL 12.915 PTH 2.35 VMP 4.530 DPA -6.17 RAP 293.69 ECC 1.7477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 29 1955.56 -12.56 25.71 169.06 115.59 2 56 4 1355.6 -9.01 18.82
 90.00 10 35 15 5525.42 28.32 256.73 178.28 90.17 12 7 21 4925.4 28.04 248.07
 100.00 3 37 9 1717.83 -13.97 7.52 168.35 116.70 4 5 47 1117.8 -10.27 .68
 100.00 12 4 16 5238.38 29.88 235.60 178.27 89.22 13 31 34 4638.4 29.45 226.83
 110.00 4 28 15 1557.80 -17.63 353.34 166.31 119.77 4 54 13 957.8 -13.53 346.62
 110.00 13 29 39 4971.17 34.03 215.13 178.09 86.60 14 52 31 4371.2 33.19 206.00

DIFFERENTIAL CORRECTIONS

TDE -.0879 TRA-1.6287 TC3 -.8672 BAU .5434
 RDE -.2978 RRA .2215 RC3 .2194 FAU .10468
 FDE .0197 FRA-1.1964 FC3-1.9945 BSP 5545
 BDE .3105 BRA 1.6436 BC3 .8946 FSP -795

MID-COURSE EXECUTION ACCURACY

SGT 1847.8 SGR 435.1 SG3 249.4
 RRT -.7520 RRF -.7991 RTF .8704
 SGB 1898.4 R23 .1955 R13 -.8760
 SG1 1877.3 SG2 282.3 TMA 169.72

ORBIT DETERMINATION ACCURACY

ST 436.6 SR 259.9 SS 127.4
 CRT -.0564 CRS .2756 CST -.9611
 LSA 454.1 MSA 260.3 SSA 20.1
 EL1 437.0 EL2 259.3 ALF 177.03

LAUNCH DATE DEC 31 1965

FLIGHT TIME 98.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 298.742

RL 147.10 LAL .00 LOL 99.11 VL 29.043 GAL -12.58 AZL 88.58 MCA 142.48 SMA 138.11 ECC .22687 INC 1.4226 V1 30.286
 RP 108.46 LAP .87 LOP 241.60 VP 38.552 GAP 4.31 AZP 91.13 TAL 241.16 TAP 23.65 RCA 106.78 APO 169.45 V2 34.939
 RC 103.862 GL 6.09 GP 18.22 ZAL 161.78 ZAP 125.37 ETS 10.72 ZAE 140.97 ETE 160.69 ZAC 27.75 ETC 181.23 CLP-127.55

PLANETOCENTRIC CONIC

C3 43.949 VHL 6.629 OLA -14.91 RAL 297.14 RAD 6568.7 VEL 12.857 PTH 2.34 VMP 4.619 DPA -5.27 RAP 293.92 ECC 1.7233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 51 1927.76 -11.74 24.08 169.42 115.96 3 3 59 1327.8 -8.15 17.24
 90.00 10 33 42 5536.48 28.31 257.54 178.74 90.57 12 5 59 4936.5 28.09 248.88
 100.00 3 45 8 1691.31 -13.15 5.98 168.69 117.09 4 13 19 1091.3 -9.41 339.18
 100.00 12 3 6 5248.17 29.89 236.33 178.75 89.60 13 30 35 4648.2 29.51 227.55
 110.00 4 35 23 1533.89 -16.81 351.96 166.62 120.21 5 0 57 933.9 -12.67 345.30
 110.00 13 29 20 4978.35 34.06 215.69 178.60 86.93 14 52 19 4378.4 33.26 206.54

DIFFERENTIAL CORRECTIONS

TDE -.1180 TRA-1.6750 TC3 -.9497 BAU .5751
 RDE -.2702 RRA .2155 RC3 .2368 FAU .10046
 FDE -.0206 FRA-1.1058 FC3-1.9789 BSP 5930
 BDE .2948 BRA 1.6888 BC3 .9788 FSP -776

MID-COURSE EXECUTION ACCURACY

SGT 1959.6 SGR 436.1 SG3 242.3
 RRT -.7725 RRF -.8260 RTF .8712
 SGB 2007.6 R23 .2199 R13 -.8767
 SG1 1988.9 SG2 272.9 TMA 170.06

ORBIT DETERMINATION ACCURACY

ST 462.4 SR 240.7 SS 122.7
 CRT -.0227 CRS .1856 CST -.9715
 LSA 477.7 MSA 241.4 SSA 20.3
 EL1 462.4 EL2 240.7 ALF 179.07

LAUNCH DATE DEC 31 1965

FLIGHT TIME 100.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 304.737

RL 147.10 LAL .00 LOL 99.11 VL 28.963 GAL -12.36 AZL 88.79 MCA 145.67 SMA 137.46 ECC .22481 INC 1.2103 V1 30.286
 RP 108.50 LAP .68 LOP 244.79 VP 38.481 GAP 4.61 AZP 91.00 TAL 239.88 TAP 25.55 RCA 106.55 APO 168.36 V2 34.926
 RC 106.225 GL 5.26 GP 19.27 ZAL 161.31 ZAP 127.56 ETS 12.80 ZAE 139.25 ETE 160.21 ZAC 28.33 ETC 182.94 CLP-130.22

PLANETOCENTRIC CONIC

C3 42.465 VHL 6.517 OLA -15.58 RAL 298.06 RAD 6568.6 VEL 12.800 PTH 2.33 VMP 4.716 DPA -4.18 RAP 294.29 ECC 1.6989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 48 1894.78 -10.75 22.16 169.86 116.36 3 13 23 1294.8 -7.12 15.36
 90.00 10 31 9 5552.17 28.30 258.68 179.32 91.15 12 3 41 4952.2 28.16 250.02
 100.00 3 54 34 1659.96 -12.17 4.16 169.12 117.51 4 22 14 1060.0 -8.39 357.41
 100.00 12 1 4 5262.21 29.89 237.38 179.34 90.15 13 28 46 4662.2 29.59 228.58
 110.00 4 43 46 1505.89 -15.85 350.37 167.01 120.69 5 8 51 905.9 -11.66 343.77
 110.00 13 28 22 4989.05 34.10 216.53 179.23 87.43 14 51 31 4389.1 33.37 207.36

DIFFERENTIAL CORRECTIONS

TDE -.1551 TRA-1.7132 TC3-1.0350 BAU .6053
 RDE -.2416 RRA .2076 RC3 .2558 FAU .09593
 FDE -.0612 FRA-1.0098 FC3-1.9556 BSP 6287
 BDE .2871 BRA 1.7257 BC3 1.0662 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 2069.7 SGR 438.4 SG3 234.2
 RRT -.7904 RRF -.8524 RTF .8710
 SGB 2115.6 R23 .2489 R13 -.8765
 SG1 2099.0 SG2 264.8 TMA 170.34

ORBIT DETERMINATION ACCURACY

ST 490.2 SR 220.1 SS 118.9
 CRT .0174 CRS .0788 CST -.9795
 LSA 503.9 MSA 220.4 SSA 20.5
 EL1 490.2 EL2 220.1 ALF .56

LAUNCH DATE DEC 31 1965

FLIGHT TIME 102.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 310.709

RL 147.10 LAL .00 LOL 99.11 VL 28.883 GAL -12.14 AZL 89.04 MCA 148.85 SMA 136.80 ECC .22282 INC .9603 V1 30.286
 RP 108.54 LAP .50 LOP 247.97 VP 38.410 GAP 4.90 AZP 90.82 TAL 238.56 TAP 27.42 RCA 106.32 APO 167.28 V2 34.914
 RC 108.588 GL 4.24 GP 20.54 ZAL 160.79 ZAP 129.45 ETS 15.18 ZAE 137.58 ETE 159.49 ZAC 29.11 ETC 184.89 CLP-132.73

PLANETOCENTRIC CONIC

C3 40.992 VHL 6.402 OLA -16.43 RAL 299.08 RAD 6568.6 VEL 12.742 PTH 2.32 VMP 4.825 DPA -2.83 RAP 294.75 ECC 1.6746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 54 1854.71 -9.53 19.85 170.41 116.79 3 24 49 1254.7 -5.85 13.10
 90.00 10 27 8 5574.42 28.25 260.31 180.03 91.96 12 0 2 4974.4 28.23 251.65
 100.00 4 6 0 1622.10 -10.97 1.99 169.65 117.98 4 33 2 1022.1 -7.14 355.30
 100.00 11 57 43 5282.27 29.88 238.87 180.07 90.93 13 25 46 4682.3 29.69 230.07
 110.00 4 53 46 1472.42 -14.67 348.48 167.49 121.23 5 18 19 872.4 -10.43 341.95
 110.00 13 26 26 5004.71 34.14 217.75 180.03 88.15 14 49 51 4404.7 33.51 208.56

DIFFERENTIAL CORRECTIONS

TDE -.2035 TRA-1.7439 TC3-1.1255 BAU .6353
 RDE -.2107 RRA .1987 RC3 .2780 FAU .09142
 FDE -.1112 FRA -.9167 FC3-1.9307 BSP 6672
 BDE .2930 BRA 1.7552 BC3 1.1593 FSP -724

MID-COURSE EXECUTION ACCURACY

SGT 2181.3 SGR 443.4 SG3 226.2
 RRT -.8067 RRF -.8784 RTF .8709
 SGB 2225.9 R23 .2807 R13 -.8765
 SG1 2210.8 SG2 258.5 TMA 170.56

ORBIT DETERMINATION ACCURACY

ST 522.8 SR 196.9 SS 118.8
 CRT .0655 CRS -.0661 CST -.9837
 LSA 535.9 MSA 196.4 SSA 20.9
 EL1 523.0 EL2 196.4 ALF 1.65

LAUNCH DATE DEC 31 1965

FLIGHT TIME 104.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 316.661

RL 147.10 LAL .00 LOL 99.11 VL 28.803 GAL -11.91 AZL 89.34 HCA 152.03 SMA 136.15 ECC .2209D INC .6599 V1 30.286
 RP 108.58 LAP .31 LOP 251.15 VP 38.339 GAP 5.17 AZP 90.58 TAL 237.21 TAP 29.24 RCA 106.07 APO 166.22 V2 34.903
 RC 110.951 GL 2.96 GP 22.12 ZAL 160.20 ZAP 131.03 ETS 17.93 ZAE 135.90 ETE 158.53 ZAC 30.08 ETC 187.14 CLP-135.12

PLANETOCENTRIC CONIC

C3 39.941 VHL 6.288 OLA -17.52 RAL 300.19 RAD 6568.5 VEL 12.685 PTH 2.30 VHP 4.949 DPA -1.18 RAP 295.29 ECC 1.6507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 4 1804.65 -7.98 16.99 171.14 117.26 3 39 9 1204.7 -4.26 10.28
 90.00 10 20 53 5606.28 28.16 262.64 180.92 93.13 11 54 20 5006.3 28.29 253.97
 100.00 4 20 13 1575.08 -9.45 359.32 170.35 118.49 4 46 28 975.1 -5.58 352.68
 100.00 11 52 26 5311.08 29.83 241.01 181.01 92.06 13 20 57 4711.1 29.79 232.20
 110.00 5 6 4 1431.43 -13.21 346.20 168.13 121.82 5 29 55 831.4 -8.91 339.75
 110.00 13 23 4 5027.50 34.17 219.53 181.06 89.20 14 46 51 4427.5 33.69 210.32

DIFFERENTIAL CORRECTIONS

TDE -.2657 TRA-1.7644 TC3-1.2205 BAU .6648
 RDE -.1774 RRA .1877 RC3 .3034 FAU .08671
 FDE -.1686 FRA -.8218 FC3-1.8985 BSP 7059
 BDE .3195 BRA 1.7744 BC3 1.2577 FSP -700

MID-COURSE EXECUTION ACCURACY

SGT 2292.8 SGR 451.5 SG3 217.6
 RRT -.8200 RRF -.9032 RTF .8705
 SGB 2336.9 R23 .3153 R13 -.8763
 SG1 2322.9 SG2 255.1 THA 170.71

ORBIT DETERMINATION ACCURACY

ST 562.6 SR 170.8 SS 124.1
 CRT .1187 CRS -.2289 CST -.9777
 LSA 576.0 MSA 169.9 SSA 21.4
 EL1 563.0 EL2 169.4 ALF 2.27

LAUNCH DATE DEC 31 1965

FLIGHT TIME 106.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 322.593

RL 147.10 LAL .00 LOL 99.11 VL 28.722 GAL -11.67 AZL 89.71 HCA 155.21 SMA 135.50 ECC .21905 INC .2899 V1 30.286
 RP 108.61 LAP .12 LOP 254.32 VP 38.268 GAP 5.43 AZP 90.26 TAL 235.81 TAP 31.02 RCA 105.82 APO 165.18 V2 34.892
 RC 113.313 GL 1.32 GP 24.09 ZAL 159.49 ZAP 132.21 ETS 21.15 ZAE 134.16 ETE 157.26 ZAC 31.29 ETC 189.77 CLP-137.39

PLANETOCENTRIC CONIC

C3 38.134 VHL 6.175 OLA -18.95 RAL 301.45 RAD 6568.5 VEL 12.629 PTH 2.29 VHP 5.094 DPA .89 RAP 295.85 ECC 1.6276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 53 1739.72 -5.93 13.31 172.16 117.74 3 57 52 1139.7 -2.18 6.65
 90.00 10 11 8 5652.90 27.94 266.03 182.06 94.81 11 45 20 5052.9 28.31 257.38
 100.00 4 38 37 1514.67 -7.48 355.93 171.32 119.03 5 3 52 914.7 -3.55 349.35
 100.00 11 44 4 5553.19 29.68 244.13 182.21 93.70 13 13 17 4753.2 29.88 235.33
 110.00 5 21 42 1379.67 -11.34 343.37 168.99 122.47 5 44 42 779.7 -6.98 336.99
 110.00 13 17 29 5060.95 34.18 222.14 182.42 90.75 14 41 50 4460.9 33.90 212.91

DIFFERENTIAL CORRECTIONS

TDE -.3455 TRA-1.7709 TC3-1.3185 BAU .6932
 RDE -.1413 RRA .1734 RC3 .3320 FAU .08154
 FDE -.2318 FRA -.7206 FC3-1.8511 BSP 7418
 BDE .3733 BRA 1.7793 BC3 1.3597 FSP -666

MID-COURSE EXECUTION ACCURACY

SGT 2402.6 SGR 462.8 SG3 207.6
 RRT -.8283 RRF -.9257 RTF .8696
 SGB 2446.8 R23 .3517 R13 -.8757
 SG1 2433.3 SG2 256.0 THA 170.83

ORBIT DETERMINATION ACCURACY

ST 613.8 SR 141.2 SS 136.3
 CRT .1712 CRS -.3781 CST -.9616
 LSA 628.2 MSA 141.8 SSA 22.0
 EL1 614.3 EL2 139.0 ALF 2.38

LAUNCH DATE DEC 31 1965

FLIGHT TIME 108.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 328.505

RL 147.10 LAL .00 LOL 99.11 VL 28.640 GAL -11.43 AZL 90.18 HCA 158.39 SMA 134.86 ECC .21727 INC .1776 V1 30.286
 RP 108.64 LAP -.07 LOP 257.50 VP 38.197 GAP 5.68 AZP 89.83 TAL 234.59 TAP 32.77 RCA 105.56 APO 164.16 V2 34.881
 RC 115.673 GL -.84 GP 26.61 ZAL 158.58 ZAP 132.90 ETS 24.95 ZAE 132.25 ETE 155.65 ZAC 32.77 ETC 192.90 CLP-139.58

PLANETOCENTRIC CONIC

C3 36.816 VHL 6.068 OLA -20.86 RAL 302.91 RAD 6568.4 VEL 12.577 PTH 2.28 VHP 5.272 DPA 3.51 RAP 296.37 ECC 1.6059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 20 1650.81 -3.10 8.32 173.68 118.16 4 23 51 1050.8 .69 1.69
 90.00 9 55 17 5724.03 27.43 271.17 183.53 97.34 11 30 41 5124.0 28.16 262.58
 100.00 5 3 46 1433.19 -4.76 351.41 172.76 119.55 5 27 39 833.2 -.79 344.87
 100.00 11 30 33 5416.88 29.31 248.83 183.78 96.14 13 0 49 4816.9 29.85 240.07
 110.00 5 42 32 1311.70 -8.83 339.70 170.26 123.16 6 4 23 711.7 -4.40 333.41
 110.00 13 8 16 5111.14 34.06 226.06 184.23 93.06 14 33 27 4511.1 34.11 216.81

DIFFERENTIAL CORRECTIONS

TDE -.4534 TRA-1.7611 TC3-1.4200 BAU .7217
 RDE -.0994 RRA .1557 RC3 .3653 FAU .07606
 FDE -.3113 FRA -.6189 FC3-1.7885 BSP 7802
 BDE .4641 BRA 1.7680 BC3 1.4662 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 2513.9 SGR 479.7 SG3 196.8
 RRT -.8324 RRF -.9455 RTF .8695
 SGB 2559.3 R23 .3856 R13 -.8760
 SG1 2545.8 SG2 262.5 THA 170.88

ORBIT DETERMINATION ACCURACY

ST 686.3 SR 105.9 SS 161.6
 CRT .1966 CRS -.4755 CST -.9422
 LSA 703.4 MSA 113.9 SSA 22.6
 EL1 686.6 EL2 103.7 ALF 1.78

LAUNCH DATE DEC 31 1965

FLIGHT TIME 110.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 334.400

RL 147.10 LAL .00 LOL 99.11 VL 28.559 GAL -11.18 AZL 90.80 HCA 161.56 SMA 134.22 ECC .21557 INC .8037 V1 30.286
 RP 108.68 LAP -.25 LOP 260.67 VP 38.127 GAP 5.92 AZP 89.24 TAL 232.93 TAP 34.48 RCA 105.29 APO 163.16 V2 34.870
 RC 118.029 GL -3.77 GP 29.89 ZAL 157.30 ZAP 132.91 ETS 29.48 ZAE 130.01 ETE 153.62 ZAC 34.61 ETC 196.68 CLP-141.75

PLANETOCENTRIC CONIC

C3 35.682 VHL 5.973 OLA -23.50 RAL 304.67 RAD 6568.4 VEL 12.532 PTH 2.27 VHP 5.504 DPA 6.89 RAP 296.76 ECC 1.5872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 28 1517.00 1.22 .85 176.22 118.29 5 3 45 917.0 4.99 354.21
 90.00 9 27 10 5842.04 26.12 279.56 185.36 101.35 11 4 32 5242.0 27.42 271.13
 100.00 5 41 15 1314.37 -.75 344.87 175.12 119.88 6 3 9 714.4 3.24 338.35
 100.00 11 7 4 5519.90 28.33 256.32 185.83 99.97 12 39 4 4919.9 29.41 247.69
 110.00 6 12 13 1217.25 -5.28 334.69 172.30 123.82 6 32 30 617.2 -.80 328.47
 110.00 12 52 35 5189.79 33.61 232.15 186.73 96.64 14 19 5 4589.8 34.16 222.95

DIFFERENTIAL CORRECTIONS

TDE -.6038 TRA-1.7278 TC3-1.5198 BAU .7500
 RDE -.0489 RRA .1319 RC3 .4025 FAU .06985
 FDE -.4074 FRA -.5107 FC3-1.6948 BSP 8201
 BDE .6058 BRA 1.7328 BC3 1.5722 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 2626.5 SGR 502.5 SG3 184.0
 RRT -.8299 RRF -.9614 RTF .8701
 SGB 2674.1 R23 .4143 R13 -.8772
 SG1 2659.7 SG2 276.8 THA 170.88

ORBIT DETERMINATION ACCURACY

ST 795.2 SR 64.2 SS 202.9
 CRT .0769 CRS -.3947 CST -.9328
 LSA 817.6 MSA 93.1 SSA 21.4
 EL1 795.2 EL2 64.0 ALF .36

LAUNCH DATE DEC 31 1965

FLIGHT TIME 112.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 340.276

RL 147.10 LAL .00 LOL 99.11 VL 28.478 GAL -10.93 AZL 91.68 MCA 164.72 SMA 133.60 ECC .21395 INC 1.6749 V1 30.286
 RP 108.71 LAP -.44 LOP 263.84 VP 38.057 GAP 6.14 AZP 88.38 TAL 231.44 TAP 36.16 RCA 105.02 APO 162.18 V2 34.860
 RC 120.382 GL -7.95 GP 34.28 ZAL 155.25 ZAP 131.93 ETS 34.85 ZAE 127.17 ETE 151.16 ZAC 37.00 ETC 201.33 CLP-143.97

PLANETOCENTRIC CONIC

C3 34.959 VHL 5.913 DLA -27.30 RAL 306.93 RAD 6568.4 VEL 12.503 PTH 2.26 VHP 5.834 OPA 11.35 RAP 296.87 ECC 1.5753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 26 1247.03 9.77 345.62 181.65 116.71 6 26 13 647.0 13.27 338.70
 90.00 8 18 17 813.63 21.46 319.22 186.75 108.93 8 31 51 213.6 23.84 311.36
 100.00 6 49 5 1105.98 6.29 333.40 179.78 119.28 7 7 31 506.0 10.14 326.73
 100.00 10 17 19 5717.95 25.21 270.20 188.06 106.62 11 52 37 5118.0 27.24 261.99
 110.00 6 59 46 1072.40 .24 327.12 176.04 124.18 7 17 39 472.4 4.73 320.90
 110.00 12 23 7 5324.30 32.08 242.34 190.09 102.48 13 51 51 4724.3 33.47 233.38

DIFFERENTIAL CORRECTIONS

TDE -.8225 TRA-1.6555 TC3-1.6018 BAU .7762
 RDE .0154 RRA .0968 RC3 .4390 FAU .06234
 FDE -.5221 FRA -.3902 FC3-1.5439 BSP 8551
 BDE .8227 BRA 1.6583 BC3 1.6608 FSP -543

MID-COURSE EXECUTION ACCURACY

SGT 2735.4 SGR 530.0 SG3 167.8
 RRT -.8180 RRF -.9720 RTF .8716
 SGB 2786.3 R23 .4350 R13 -.8794
 SG1 2770.0 SG2 301.1 THA 170.89

ORBIT DETERMINATION ACCURACY

ST 965.4 SR 38.3 SS 264.5
 CRT -.8090 CRS .6187 CST -.9389
 LSA 997.5 MSA 89.7 SSA 15.9
 EL1 965.9 EL2 22.5 ALF 178.16

LAUNCH DATE DEC 31 1965

FLIGHT TIME 114.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 346.133

RL 147.10 LAL .00 LOL 99.11 VL 28.397 GAL -10.66 AZL 92.99 MCA 167.88 SMA 132.98 ECC .21240 INC 2.9871 V1 30.286
 RP 108.74 LAP -.63 LOP 267.01 VP 37.988 GAP 6.36 AZP 87.08 TAL 229.92 TAP 37.80 RCA 104.74 APO 161.23 V2 34.851
 RC 122.731 GL -14.18 GP 40.31 ZAL 151.64 ZAP 129.47 ETS 41.24 ZAE 123.26 ETE 148.31 ZAC 40.24 ETC 207.15 CLP-146.48

PLANETOCENTRIC CONIC

C3 35.266 VHL 5.938 DLA -33.01 RAL 310.19 RAD 6568.4 VEL 12.515 PTH 2.27 VHP 6.361 OPA 17.39 RAP 296.37 ECC 1.5804
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.29 5 9 21 1465.35 18.46 6.37 189.25 117.86 5 33 46 865.4 22.04 359.15
 107.71 9 40 22 5887.75 18.47 279.95 189.26 117.85 11 18 30 5287.8 22.05 272.74
 72.29 5 9 21 1465.35 18.46 6.37 189.25 117.86 5 33 46 865.4 22.04 359.15
 107.71 9 40 22 5887.75 18.47 279.95 189.26 117.85 11 18 30 5287.8 22.05 272.74
 110.00 8 46 45 764.63 11.82 310.81 185.27 122.31 8 59 30 164.6 16.00 304.20
 110.00 11 2 8 5636.47 25.38 264.10 192.85 113.71 12 36 5 5036.5 28.36 256.19

DIFFERENTIAL CORRECTIONS

TDE -1.1748 TRA-1.5215 TC3-1.6338 BAU .8007
 RDE .1056 RRA .0431 RC3 .4635 FAU .05319
 FDE -.6662 FRA -.2600 FC3-1.3059 BSP 8941
 BDE 1.1794 BRA 1.5221 BC3 1.6983 FSP -480

MID-COURSE EXECUTION ACCURACY

SGT 2848.5 SGR 562.0 SG3 147.3
 RRT -.7936 RRF -.9746 RTF .8773
 SGB 2903.4 R23 .4411 R13 -.8857
 SG1 2883.7 SG2 337.8 THA 170.98

ORBIT DETERMINATION ACCURACY

ST 1250.4 SR 104.3 SS 357.6
 CRT -.9528 CRS .9962 CST -.9566
 LSA 1300.5 MSA 104.4 SSA 8.8
 EL1 1254.4 EL2 31.6 ALF 175.45

LAUNCH DATE DEC 31 1965

FLIGHT TIME 116.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 351.967

RL 147.10 LAL .00 LOL 99.11 VL 28.317 GAL -10.39 AZL 95.20 MCA 171.03 SMA 132.38 ECC .21092 INC 5.2032 V1 30.286
 RP 108.76 LAP -.81 LOP 270.18 VP 37.920 GAP 6.57 AZP 84.86 TAL 228.37 TAP 39.40 RCA 104.46 APO 160.30 V2 34.842
 RC 125.075 GL -23.97 GP 48.84 ZAL 144.76 ZAP 124.71 ETS 48.88 ZAE 117.40 ETE 145.59 ZAC 44.90 ETC 214.70 CLP-149.92

PLANETOCENTRIC CONIC

C3 38.684 VHL 6.218 DLA -41.89 RAL 315.83 RAD 6568.5 VEL 12.650 PTH 2.30 VHP 7.341 OPA 25.76 RAP 294.56 ECC 1.6363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.73 4 15 32 1713.09 21.90 28.76 199.19 126.65 4 44 5 1113.1 26.52 22.01
 122.27 11 19 11 5686.52 21.92 265.97 199.20 126.64 12 53 57 5086.5 26.53 259.22
 57.73 4 15 32 1713.09 21.90 28.76 199.19 126.65 4 44 5 1113.1 26.52 22.01
 122.27 11 19 11 5686.52 21.92 265.97 199.20 126.64 12 53 57 5086.5 26.53 259.22
 57.73 4 15 32 1713.09 21.90 28.76 199.19 126.65 4 44 5 1113.1 26.52 22.01
 122.27 11 19 11 5686.52 21.92 265.97 199.20 126.64 12 53 57 5086.5 26.53 259.22

DIFFERENTIAL CORRECTIONS

TDE -1.8169 TRA-1.2559 TC3-1.5148 BAU .8144
 RDE .2332 RRA -.0512 RC3 .4330 FAU .04145
 FDE -.8380 FRA -.1129 FC3 -.9280 BSP 9295
 BDE 1.8318 BRA 1.2569 BC3 1.5755 FSP -394

MID-COURSE EXECUTION ACCURACY

SGT 2961.2 SGR 583.2 SG3 120.6
 RRT -.7387 RRF -.9565 RTF .8915
 SGB 3018.1 R23 .4248 R13 -.8998
 SG1 2992.9 SG2 388.9 THA 171.58

ORBIT DETERMINATION ACCURACY

ST 1738.9 SR 216.3 SS 491.0
 CRT -.9353 CRS .9895 CST -.9764
 LSA 1815.4 MSA 125.5 SSA 4.0
 EL1 1750.6 EL2 76.0 ALF 173.35

LAUNCH DATE DEC 31 1965

FLIGHT TIME 118.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 357.760

RL 147.10 LAL .00 LOL 99.11 VL 28.237 GAL -10.10 AZL 99.77 MCA 174.15 SMA 131.79 ECC .20945 INC 9.7670 V1 30.286
 RP 108.79 LAP -.99 LOP 273.34 VP 37.852 GAP 6.76 AZP 80.28 TAL 226.78 TAP 40.93 RCA 104.18 APO 159.39 V2 34.834
 RC 127.413 GL -39.55 GP 61.03 ZAL 131.69 ZAP 116.55 ETS 59.45 ZAE 107.95 ETE 145.65 ZAC 51.76 ETC 226.00 CLP-157.35

PLANETOCENTRIC CONIC

C3 54.854 VHL 7.406 DLA -55.17 RAL 329.20 RAD 6569.0 VEL 13.275 PTH 2.43 VHP 9.639 OPA 37.34 RAP 289.26 ECC 1.9028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.45 4 9 26 1947.03 22.66 52.42 222.30 141.76 4 41 53 1347.0 28.85 47.19
 139.55 13 11 56 5627.84 22.68 261.06 222.31 141.76 14 45 44 5027.8 28.86 255.83
 40.45 4 9 26 1947.03 22.66 52.42 222.30 141.76 4 41 53 1347.0 28.85 47.19
 139.55 13 11 56 5627.84 22.68 261.06 222.31 141.76 14 45 44 5027.8 28.86 255.83
 40.45 4 9 26 1947.03 22.66 52.42 222.30 141.76 4 41 53 1347.0 28.85 47.19
 139.55 13 11 56 5627.84 22.68 261.06 222.31 141.76 14 45 44 5027.8 28.86 255.83

DIFFERENTIAL CORRECTIONS

TDE -3.2729 TRA -.6305 TC3-1.0354 BAU .7813
 RDE .2840 RRA -.2292 RC3 .2509 FAU .02671
 FDE -1.0349 FRA .0629 FC3 -.4215 BSP 9601
 BDE 3.2852 BRA .6709 BC3 1.0654 FSP -283

MID-COURSE EXECUTION ACCURACY

SGT 3081.0 SGR 531.8 SG3 88.0
 RRT -.5256 RRF -.8018 RTF .9276
 SGB 3126.5 R23 .3568 R13 -.9325
 SG1 3093.9 SG2 450.5 THA 174.70

ORBIT DETERMINATION ACCURACY

ST 2545.2 SR 238.9 SS 667.2
 CRT -.8764 CRS .9325 CST -.9912
 LSA 2638.3 MSA 141.6 SSA 1.6
 EL1 2553.8 EL2 114.6 ALF 175.29

LAUNCH DATE DEC 31 1965

FLIGHT TIME 120.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 28.158 GAL -9.79 AZL 114.19 MCA 177.14 SMA 131.20 ECC .20774 INC24.1850 V1 30.286
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.786 GAP 6.91 AZP 65.84 TAL 225.12 TAP 42.27 RCA 103.95 APO 158.46 V2 34.826
 RC 129.747 GL -58.81 GP 74.87 ZAL 110.98 ZAP 104.30 ETS 96.74 ZAE 90.57 ETE 174.29 ZAC 60.80 ETC 265.83 CLP 161.14

PLANETOCENTRIC CONIC
 C3 176.624 VML 13.290 OLA -64.41 RAL 9.38 RAD 6570.9 VEL 17.261 PTH 2.95 VMP 17.851 DPA 50.99 RAP 269.99 ECC 3.9068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.39 6 21 33 2247.26 10.02 70.26 274.51 153.98 6 59 0 1647.3 17.19 67.01
 150.61 16 20 21 5823.35 10.03 265.22 274.53 153.98 17 57 25 5223.4 17.20 261.98
 29.39 6 21 33 2247.26 10.02 70.26 274.51 153.98 6 59 0 1647.3 17.19 67.01
 150.61 16 20 21 5823.35 10.03 265.22 274.53 153.98 17 57 25 5223.4 17.20 261.98
 29.39 6 21 33 2247.26 10.02 70.26 274.51 153.98 6 59 0 1647.3 17.19 67.01
 150.61 16 20 21 5823.35 10.03 265.22 274.53 153.98 17 57 25 5223.4 17.20 261.98

DIFFERENTIAL CORRECTIONS
 TDE-5.2748 TRA 1.6119 TC3 -.1525 BAU .3605 SGT 2814.9 SGR 1509.9 SG3 56.3 ST 2324.7 SR 1455.7 SS 776.9
 RDE-3.3638 RRA .4209 RC3 -.0061 FAU .00793 RRT .9365 RRF .8999 RTF .9956 CRT .9925 CRS -.9863 CST -.9991
 FDE-1.1313 FRA .4200 FC3 -.0389 BSP 8956 SGB 3194.3 R23 -.1687 R13 .9855 LSA 2846.2 MSA 161.8 SSA .6
 BDE 6.2561 BRA 1.6659 BC3 .1527 FSP -166 SGI 3159.2 SG2 471.9 THA 27.33 ELI 2738.7 EL2 151.0 ALF 31.97

LAUNCH DATE DEC 31 1965

FLIGHT TIME 122.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 28.079 GAL -9.74 AZL 22.59 MCA 181.46 SMA 130.63 ECC .20995 INC67.4077 V1 30.286
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.721 GAP 7.43 AZP 157.40 TAL 223.97 TAP 45.42 RCA 103.21 APO 158.06 V2 34.819
 RC 132.074 GL 51.65 GP -60.35 ZAL 98.34 ZAP 97.04 ETS 188.65 ZAE 61.82 ETE 117.73 ZAC 89.06 ETC 27.83 CLP 104.34

PLANETOCENTRIC CONIC
 C31081.433 VML 32.580 OLA 44.47 RAL 330.10 RAD 6573.0 VEL 34.391 PTH 3.51 VMP 38.778 DPA -58.22 RAP 162.09 ECC18.4685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.15 16 56 9 4903.38 .41 226.10 240.54 45.53 18 17 53 4303.4 -5.19 220.79
 125.85 0 32 24 3511.74 .43 118.51 240.52 45.53 1 30 56 2911.7 -5.17 113.20
 54.15 16 56 9 4903.38 .41 226.10 240.54 45.53 18 17 53 4303.4 -5.19 220.79
 125.85 0 32 24 3511.74 .43 118.51 240.52 45.53 1 30 56 2911.7 -5.17 113.20
 54.15 16 56 9 4903.38 .41 226.10 240.54 45.53 18 17 53 4303.4 -5.19 220.79
 125.85 0 32 24 3511.74 .43 118.51 240.52 45.53 1 30 56 2911.7 -5.17 113.20

DIFFERENTIAL CORRECTIONS
 TDE-1.5973 TRA 2.5417 TC3 -.0638 BAU 2.6458 SGT 802.4 SGR 2839.0 SG3 45.7 ST 338.2 SR 2513.5 SS 1608.9
 RD-14.2420 RRA 2.8202 RC3 -.1752 FAU-.03746 RRT .7082 RRF -.9984 RTF -.6668 CRT .8743 CRS .9999 CST .8658
 FDE 2.7245 FRA -.4275 FC3 .0306 BSP 9424 SGB 2950.2 R23 -.0966 R13 -.9953 LSA 2998.9 MSA 166.5 SSA .6
 BOE14.3313 BRA 3.7965 BC3 .1865 FSP -156 SGI 2897.5 SG2 555.1 THA 78.24 ELI 2531.0 EL2 163.1 ALF 83.26

LAUNCH DATE DEC 31 1965

FLIGHT TIME 124.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 28.001 GAL -9.32 AZL 67.85 MCA 184.02 SMA 130.07 ECC .20717 INC22.1467 V1 30.286
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.657 GAP 7.44 AZP 112.10 TAL 222.10 TAP 46.11 RCA 103.12 APO 157.02 V2 34.812
 RC 134.395 GL 58.01 GP -68.57 ZAL 111.53 ZAP 111.32 ETS 267.70 ZAE 95.20 ETE 190.90 ZAC 84.43 ETC 104.11 CLP-174.23

PLANETOCENTRIC CONIC
 C3 150.842 VML 12.282 OLA 41.15 RAL 305.33 RAD 6570.6 VEL 16.498 PTH 2.87 VMP 13.099 DPA -84.66 RAP 47.46 ECC 3.4825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.79 15 36 23 4652.35 -0.51 212.09 205.48 49.58 16 53 55 4052.4 -13.64 206.25
 121.21 22 30 36 3363.71 -0.50 113.62 205.47 49.58 23 26 40 2763.7 -13.62 107.78
 58.79 15 36 23 4652.35 -0.51 212.09 205.48 49.58 16 53 55 4052.4 -13.64 206.25
 121.21 22 30 36 3363.71 -0.50 113.62 205.47 49.58 23 26 40 2763.7 -13.62 107.78
 58.79 15 36 23 4652.35 -0.51 212.09 205.48 49.58 16 53 55 4052.4 -13.64 206.25
 121.21 22 30 36 3363.71 -0.50 113.62 205.47 49.58 23 26 40 2763.7 -13.62 107.78

DIFFERENTIAL CORRECTIONS
 TDE 4.7891 TRA-3.4271 TC3 -.2195 BAU .4464 SGT 3129.0 SGR 1404.0 SG3 67.4 ST 2323.3 SR 753.9 SS 719.4
 RDE-1.4057 RRA 2.0004 RC3 .0289 FAU .01488 RRT -.9413 RRF -.8620 RTF .9819 CRT -.9718 CRS .9504 CST -.9969
 FDE 1.3353 FRA -.6781 FC3 -.0854 BSP 10431 SGB 3429.5 R23 -.2583 R13 -.9703 LSA 2539.7 MSA 183.0 SSA 1.1
 BDE 4.9912 BRA 3.9682 BC3 .2214 FSP -223 SGI 3401.7 SG2 436.1 THA 156.70 ELI 2436.6 EL2 169.5 ALF 162.41

LAUNCH DATE DEC 31 1965

FLIGHT TIME 126.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 27.924 GAL -9.00 AZL 76.26 MCA 187.09 SMA 129.52 ECC .20599 INC13.7410 V1 30.286
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.594 GAP 7.59 AZP 103.64 TAL 220.40 TAP 47.49 RCA 102.84 APO 156.20 V2 34.806
 RC 136.709 GL 49.62 GP -53.08 ZAL 120.30 ZAP 124.26 ETS 291.11 ZAE 108.78 ETE 206.98 ZAC 75.96 ETC 127.16 CLP-159.58

PLANETOCENTRIC CONIC
 C3 73.963 VML 8.600 OLA 31.75 RAL 304.46 RAD 6569.4 VEL 13.975 PTH 2.55 VMP 8.645 DPA -70.90 RAP 341.39 ECC 2.2172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.99 17 2 34 4236.09 -11.93 181.27 194.52 60.35 18 13 10 3636.1 -15.79 174.47
 105.01 20 57 31 3482.64 -11.91 125.51 194.51 60.35 21 55 34 2882.6 -15.77 118.71
 74.99 17 2 34 4236.09 -11.93 181.27 194.52 60.35 18 13 10 3636.1 -15.79 174.47
 105.01 20 57 31 3482.64 -11.91 125.51 194.51 60.35 21 55 34 2882.6 -15.77 118.71
 110.00 23 6 38 3082.29 -22.80 100.84 200.54 63.81 23 58 0 2482.3 -26.13 93.27
 110.00 19 52 37 3684.43 -1.47 134.40 187.98 55.84 20 54 2 3084.4 -5.94 128.17

DIFFERENTIAL CORRECTIONS
 TDE 2.9582 TRA-3.3205 TC3 -.7527 BAU .7448 SGT 3511.2 SGR 435.9 SG3 100.5 ST 2120.1 SR 156.2 SS 628.1
 RDE .1364 RRA .5404 RC3 -.0289 FAU .03125 RRT -.5607 RRF -.2288 RTF .9322 CRT .2416 CRS -.4192 CST -.9823
 FDE 1.2395 FRA -.6701 FC3 -.3658 BSP 11117 SGB 3538.1 R23 -.3617 R13 -.9296 LSA 2208.6 MSA 188.6 SSA 1.7
 BDE 2.9613 BRA 3.3642 BC3 .7532 FSP -340 SGI 3519.8 SG2 360.0 THA 175.98 ELI 2120.4 EL2 151.5 ALF 1.02

LAUNCH DATE DEC 31 1965

FLIGHT TIME 128.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 387.064

RL 147.10 LAL .00 LOL 99.11 VL 27.848 GAL -8.68 AZL 79.57 MCA 190.21 SMA 128.99 ECC .20508 INC10.4297 V1 30.286
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.533 GAP 7.76 AZP 100.27 TAL 218.71 TAP 48.93 RCA 102.53 APO 155.44 V2 34.801
 RC 139.015 GL 43.41 GP -41.66 ZAL 125.15 ZAP 133.59 ETS 299.42 ZAE 116.50 ETE 206.71 ZAC 70.39 ETC 135.54 CLP-157.35

PLANETOCENTRIC CONIC

C3 52.590 VHL 7.252 DLA 25.61 RAL 305.88 RAD 6568.9 VEL 13.189 PTH 2.41 VHP 7.220 DPA -59.30 RAP 334.06 ECC 1.8655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 54 10 3419.54 -22.28 125.68 193.58 72.05 21 51 10 2819.5 -24.52 117.73
 90.00 17 17 14 4134.47 -2.08 168.33 184.83 61.75 18 26 9 3534.5 -5.84 161.66
 100.00 22 40 44 3075.97 -25.17 101.39 194.57 73.32 23 32 0 2476.0 -27.21 93.18
 100.00 18 13 21 3953.27 .57 153.54 183.36 60.11 19 19 15 3353.3 -3.41 147.02
 110.00 0 39 12 2717.67 -31.50 76.15 196.54 75.98 1 24 29 2117.7 -33.10 67.29
 110.00 18 35 19 3884.34 6.15 144.86 179.90 56.31 19 40 4 3284.3 1.68 138.63

DIFFERENTIAL CORRECTIONS

TDE 2.2032 TRA-3.0325 TC3-1.1828 BAU .8326
 ROE .2265 RRA .2823 RC3 -.0595 FAU .04137
 FDE 1.1872 FRA -.6267 FC3 -.6810 BSP 11301
 BDE 2.2148 BRA 3.0456 BC3 1.1843 FSP -421

MID-COURSE EXECUTION ACCURACY

SGT 3610.0 SGR 317.3 SG3 126.9
 RRT -.1725 RRF .2518 RTF .9027
 SGB 3623.9 R23 -.4149 R13 -.9022
 SG1 3610.4 SG2 312.5 TMA 179.13

ORBIT DETERMINATION ACCURACY

ST 1915.2 SR 193.8 SS 594.4
 CRT .6805 CRS -.8435 CST -.9675
 LSA 2064.7 MSA 199.8 SSA 2.8
 EL1 1919.8 EL2 141.6 ALF 3.96

LAUNCH DATE DEC 31 1965

FLIGHT TIME 130.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 392.829

RL 147.10 LAL .00 LOL 99.11 VL 27.772 GAL -8.36 AZL 81.34 MCA 193.36 SMA 128.46 ECC .20435 INC 8.6629 V1 30.286
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.472 GAP 7.93 AZP 98.43 TAL 217.01 TAP 50.37 RCA 102.21 APO 154.72 V2 34.797
 RC 141.312 GL 39.15 GP -33.66 ZAL 127.73 ZAP 140.14 ETS 304.93 ZAE 121.08 ETE 204.06 ZAC 67.33 ETC 141.08 CLP-157.25

PLANETOCENTRIC CONIC

C3 42.967 VHL 6.555 DLA 21.65 RAL 307.61 RAD 6568.6 VEL 12.819 PTH 2.33 VHP 6.633 DPA -50.96 RAP 332.11 ECC 1.7071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 2 23 3154.26 -26.67 107.52 191.41 80.11 22 54 57 2554.3 -27.76 99.02
 90.00 16 22 49 4298.62 3.22 177.49 181.04 61.85 17 34 28 3698.6 -.57 170.85
 100.00 23 38 48 2843.39 -28.69 85.02 191.79 81.22 24 26 11 2243.4 -29.60 76.34
 100.00 17 29 6 4084.72 5.01 160.77 180.05 60.49 18 37 10 3484.7 1.04 154.23
 110.00 1 22 30 2531.24 -33.72 62.08 192.55 84.01 2 4 41 1931.2 -34.18 52.86
 110.00 18 5 49 3969.64 9.35 149.40 177.40 56.97 19 11 58 3369.6 4.93 143.09

DIFFERENTIAL CORRECTIONS

TDE 1.8159 TRA-2.8459 TC3-1.5354 BAU .8825
 ROE .2130 RRA .1995 RC3 -.0543 FAU .04708
 FDE 1.1128 FRA -.5843 FC3 -.9485 BSP 11652
 BDE 1.8284 BRA 2.8528 BC3 1.5364 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 3705.9 SGR 273.7 SG3 143.9
 RRT -.0625 RRF .3729 RTF .8858
 SGB 3716.0 R23 -.4294 R13 -.8856
 SG1 3705.9 SG2 273.2 TMA 179.73

ORBIT DETERMINATION ACCURACY

ST 1779.8 SR 194.5 SS 565.1
 CRT .7234 CRS -.8976 CST -.9536
 LSA 1865.9 MSA 208.4 SSA 4.0
 EL1 1785.4 EL2 135.8 ALF 4.55

LAUNCH DATE DEC 31 1965

FLIGHT TIME 132.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 398.594

RL 147.10 LAL .00 LOL 99.11 VL 27.698 GAL -8.04 AZL 82.44 MCA 196.51 SMA 127.95 ECC .20376 INC 7.5606 V1 30.286
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.414 GAP 8.09 AZP 97.25 TAL 215.30 TAP 51.80 RCA 101.88 APO 154.02 V2 34.793
 RC 143.598 GL 38.16 GP -27.95 ZAL 128.95 ZAP 144.85 ETS 309.21 ZAE 123.88 ETE 201.24 ZAC 65.95 ETC 145.32 CLP-157.76

PLANETOCENTRIC CONIC

C3 37.408 VHL 6.116 DLA 19.04 RAL 309.39 RAD 6568.5 VEL 12.601 PTH 2.29 VHP 6.364 DPA -44.82 RAP 331.91 ECC 1.6156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 48 3007.80 -27.94 97.00 189.66 85.22 23 29 56 2407.8 -28.31 88.35
 90.00 15 59 34 4375.10 5.66 181.78 179.82 62.21 17 12 30 3775.1 1.90 175.12
 100.00 0 16 47 2707.76 -29.69 75.07 189.81 86.36 1 1 54 2107.8 -29.88 66.27
 100.00 17 9 13 4150.38 7.20 164.42 178.98 60.91 18 18 23 3550.4 3.27 157.84
 110.00 1 50 23 2414.92 -34.18 53.03 190.01 89.35 2 30 38 1814.9 -33.89 43.80
 110.00 17 52 6 4015.99 11.06 151.90 176.65 57.45 18 59 2 3416.0 6.69 145.54

DIFFERENTIAL CORRECTIONS

TDE 1.5882 TRA-2.7069 TC3-1.8357 BAU .9182
 ROE .1964 RRA .1595 RC3 -.0339 FAU .04983
 FDE 1.0362 FRA -.4939 FC3-1.1533 BSP 11977
 BDE 1.6003 BRA 2.7116 BC3 1.8360 FSP -507

MID-COURSE EXECUTION ACCURACY

SGT 3801.5 SGR 246.1 SG3 153.9
 RRT -.0610 RRF .3645 RTF .8751
 SGB 3809.5 R23 -.4189 R13 -.8750
 SG1 3801.6 SG2 245.6 TMA 179.77

ORBIT DETERMINATION ACCURACY

ST 1692.8 SR 190.0 SS 540.3
 CRT .7327 CRS -.9196 CST -.9409
 LSA 1774.1 MSA 214.9 SSA 5.2
 EL1 1698.6 EL2 128.9 ALF 4.73

LAUNCH DATE DEC 31 1965

FLIGHT TIME 134.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 404.355

RL 147.10 LAL .00 LOL 99.11 VL 27.624 GAL -7.71 AZL 83.20 MCA 199.66 SMA 127.45 ECC .20330 INC 6.8040 V1 30.286
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.356 GAP 8.26 AZP 96.41 TAL 213.56 TAP 53.22 RCA 101.54 APO 153.36 V2 34.790
 RC 145.874 GL 33.98 GP -23.75 ZAL 129.31 ZAP 148.39 ETS 312.68 ZAE 125.66 ETE 198.73 ZAC 65.63 ETC 148.72 CLP-158.50

PLANETOCENTRIC CONIC

C3 33.670 VHL 5.803 DLA 17.31 RAL 311.18 RAD 6568.3 VEL 12.452 PTH 2.25 VHP 6.242 DPA -40.11 RAP 332.52 ECC 1.5541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 4 51 2913.65 -28.29 90.13 188.68 88.65 23 53 24 2313.6 -28.18 81.47
 90.00 15 48 49 4418.08 6.96 184.09 179.61 62.48 17 2 25 3816.1 3.22 177.41
 100.00 0 40 7 2619.07 -29.89 68.49 188.70 89.82 1 23 47 2019.1 -29.60 59.70
 100.00 17 0 9 4185.90 8.37 166.41 178.85 61.20 18 9 55 3585.9 4.46 159.80
 110.00 2 10 23 2336.68 -34.07 46.92 188.59 92.96 2 49 19 1736.7 -33.29 37.77
 110.00 17 46 23 4041.04 11.97 153.27 176.69 57.74 18 53 44 3441.0 7.63 146.86

DIFFERENTIAL CORRECTIONS

TDE 1.4452 TRA-2.5890 TC3-2.1026 BAU .9465
 ROE .1869 RRA .1340 RC3 -.0082 FAU .05070
 FDE .9699 FRA -.4199 FC3-1.3037 BSP 12239
 BDE 1.4572 BRA 2.5925 BC3 2.1026 FSP -519

MID-COURSE EXECUTION ACCURACY

SGT 3893.7 SGR 231.0 SG3 159.2
 RRT -.0939 RRF .3077 RTF .8672
 SGB 3900.6 R23 -.3912 R13 -.8671
 SG1 3893.8 SG2 230.0 TMA 179.68

ORBIT DETERMINATION ACCURACY

ST 1639.2 SR 189.2 SS 521.8
 CRT .7416 CRS -.9361 CST -.9297
 LSA 1716.5 MSA 220.8 SSA 6.5
 EL1 1645.3 EL2 126.5 ALF 4.92

LAUNCH DATE DEC 31 1965

FLIGHT TIME 136.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 410.110

RL 147.10 LAL .00 LOL 99.11 VL 27.551 GAL -7.37 AZL 83.75 HCA 202.82 SMA 126.96 ECC .20297 INC 6.2497 V1 30.286
 RP 108.93 LAP -2.42 LOP 301.81 VP 37.300 GAP 8.43 AZP 95.76 TAL 211.82 TAP 54.63 RCA 101.19 APO 152.73 V2 34.787
 RC 148.138 GL 32.35 GP -20.57 ZAL 129.09 ZAP 151.17 ETS 315.52 ZAE 126.84 ETE 196.62 ZAC 66.02 ETC 151.49 CLP-159.34

PLANETOCENTRIC CONIC

C3 30.897 VHL 5.559 DLA 16.18 RAL 312.99 RAD 6568.2 VEL 12.340 PTH 2.23 VHP 6.195 DPA -36.36 RAP 333.59 ECC 1.5085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 23 7 2849.67 -28.30 85.45 188.32 90.99 24 10 37 2249.7 -27.86 76.82
 90.00 15 45 1 4436.79 7.61 185.27 179.92 62.64 16 58 58 3836.8 3.88 178.57
 100.00 0 57 26 2558.20 -29.82 63.97 188.27 92.20 1 40 4 1958.2 -29.20 55.22
 100.00 16 57 19 4203.50 8.95 167.40 179.20 61.36 18 7 23 3603.5 5.05 160.77
 110.00 2 25 43 2281.98 -33.80 42.68 187.95 95.46 3 3 45 1682.0 -32.67 33.62
 110.00 17 45 31 4052.48 12.39 153.89 177.15 57.88 18 53 4 3452.5 8.06 147.47

DIFFERENTIAL CORRECTIONS

TDE 1.3485 TRA-2.4853 TC3-2.3554 BAU .9730
 RDE .1827 RRA .1137 RC3 .0176 FAU .05068
 FDE .9110 FRA -.3511 FC3-1.4195 BSP 12559
 BOE 1.3609 BRA 2.4879 BC3 2.3554 FSP -528

MID-COURSE EXECUTION ACCURACY

SGT 3988.0 SGR 225.3 SG3 162.0
 RRT -.1280 RRF .2368 RTF .8618
 SGB 3994.3 R23 -.3503 R13 -.8616
 SG1 3988.1 SG2 223.4 TMA 179.58

ORBIT DETERMINATION ACCURACY

ST 1605.8 SR 191.9 SS 506.9
 CRT .7544 CRS -.9504 CST -.9203
 LSA 1679.8 MSA 225.2 SSA 7.8
 EL1 1612.4 EL2 125.4 ALF 5.18

LAUNCH DATE DEC 31 1965

FLIGHT TIME 138.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 415.859

RL 147.10 LAL .00 LOL 99.11 VL 27.480 GAL -7.02 AZL 84.18 HCA 205.97 SMA 126.48 ECC .20278 INC 5.8239 V1 30.286
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.246 GAP 8.59 AZP 95.24 TAL 210.06 TAP 56.03 RCA 100.84 APO 152.13 V2 34.786
 RC 150.390 GL 31.10 GP -18.10 ZAL 128.45 ZAP 153.43 ETS 317.84 ZAE 127.65 ETE 194.86 ZAC 66.88 ETC 153.79 CLP-160.22

PLANETOCENTRIC CONIC

C3 28.701 VHL 5.357 DLA 15.47 RAL 314.85 RAD 6568.2 VEL 12.251 PTH 2.20 VHP 6.192 DPA -33.28 RAP 334.94 ECC 1.4723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 37 11 2805.37 -28.21 82.22 188.42 92.62 24 23 56 2205.4 -27.55 73.61
 90.00 15 45 44 4444.15 7.84 185.69 180.55 62.70 16 59 48 3844.1 4.12 178.98
 100.00 1 10 56 2315.69 -29.67 60.81 188.32 93.85 1 52 52 1915.7 -28.82 52.11
 100.00 16 58 36 4209.06 9.13 167.71 179.86 61.41 18 8 45 3609.1 5.24 161.08
 110.00 2 38 4 2243.09 -33.50 39.68 187.89 97.21 3 15 27 1643.1 -32.15 30.71
 110.00 17 47 58 4054.42 12.46 154.00 177.87 57.91 18 55 32 3454.4 8.13 147.58

DIFFERENTIAL CORRECTIONS

TDE 1.2818 TRA-2.3888 TC3-2.6028 BAU .9988
 RDE .1821 RRA .0958 RC3 .0419 FAU .05013
 FDE .8590 FRA -.3585 FC3-1.5121 BSP 12939
 BOE 1.2946 BRA 2.3907 RC3 2.6031 FSP -537

MID-COURSE EXECUTION ACCURACY

SGT 4084.5 SGR 226.4 SG3 163.3
 RRT -.1517 RRF .1684 RTF .8584
 SGB 4090.8 R23 -.3026 R13 -.8583
 SG1 4084.6 SG2 223.7 TMA 179.52

ORBIT DETERMINATION ACCURACY

ST 1587.0 SR 197.3 SS 494.8
 CRT .7710 CRS -.9630 CST -.9127
 LSA 1658.4 MSA 226.2 SSA 9.1
 EL1 1594.3 EL2 125.1 ALF 5.51

LAUNCH DATE DEC 31 1965

FLIGHT TIME 140.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 421.600

RL 147.10 LAL .00 LOL 99.11 VL 27.409 GAL -6.67 AZL 84.52 HCA 209.13 SMA 126.02 ECC .20273 INC 5.4848 V1 30.286
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.193 GAP 8.75 AZP 94.79 TAL 208.28 TAP 57.41 RCA 100.47 APO 151.57 V2 34.785
 RC 152.629 GL 30.12 GP -16.14 ZAL 127.48 ZAP 155.34 ETS 319.75 ZAE 128.24 ETE 193.40 ZAC 68.08 ETC 155.72 CLP-161.10

PLANETOCENTRIC CONIC

C3 26.883 VHL 5.185 DLA 15.08 RAL 316.75 RAD 6568.1 VEL 12.176 PTH 2.19 VHP 6.215 DPA -30.65 RAP 336.48 ECC 1.4424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 48 25 2774.95 -28.09 80.00 188.89 93.72 24 34 40 2175.0 -27.28 71.43
 90.00 15 49 43 4441.95 7.77 185.56 181.41 62.68 17 3 45 3841.9 4.05 178.86
 100.00 1 21 52 2486.23 -29.51 58.64 188.77 94.98 2 3 19 1886.2 -28.51 49.98
 100.00 17 2 52 4205.90 9.02 167.53 180.74 61.38 18 12 58 3605.9 5.14 160.90
 110.00 2 48 23 2215.57 -33.25 37.57 188.25 98.43 3 25 18 1615.6 -31.73 28.67
 110.00 17 52 52 4049.33 12.27 153.72 178.80 57.84 19 0 21 3449.3 7.94 147.30

DIFFERENTIAL CORRECTIONS

TDE 1.2326 TRA-2.2977 TC3-2.8548 BAU 1.0263
 RDE .1833 RRA .0791 RC3 .0640 FAU .04946
 FDE .8103 FRA -.2340 FC3-1.5929 BSP 13441
 BOE 1.2461 BRA 2.2990 BC3 2.8556 FSP -552

MID-COURSE EXECUTION ACCURACY

SGT 4187.3 SGR 231.7 SG3 164.0
 RRT -.1630 RRF .1085 RTF .8574
 SGB 4193.8 R23 -.2521 R13 -.8573
 SG1 4187.5 SG2 228.6 TMA 179.48

ORBIT DETERMINATION ACCURACY

ST 1576.5 SR 204.5 SS 483.6
 CRT .7893 CRS -.9733 CST -.9070
 LSA 1645.7 MSA 229.4 SSA 10.4
 EL1 1584.8 EL2 124.9 ALF 5.88

LAUNCH DATE DEC 31 1965

FLIGHT TIME 142.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 427.338

RL 147.10 LAL .00 LOL 99.11 VL 27.339 GAL -6.31 AZL 84.79 HCA 212.29 SMA 125.56 ECC .20282 INC 5.2068 V1 30.286
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.141 GAP 8.92 AZP 94.41 TAL 206.48 TAP 58.77 RCA 100.10 APO 151.03 V2 34.784
 RC 154.855 GL 29.34 GP -14.54 ZAL 126.24 ZAP 156.99 ETS 321.30 ZAE 128.68 ETE 192.18 ZAC 69.51 ETC 157.37 CLP-161.98

PLANETOCENTRIC CONIC

C3 25.328 VHL 5.033 DLA 14.93 RAL 318.73 RAD 6568.0 VEL 12.112 PTH 2.17 VHP 6.257 DPA -28.36 RAP 338.16 ECC 1.4168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 1 33 2755.09 -28.00 78.55 189.67 94.44 0 47 28 2155.1 -27.09 70.00
 90.00 15 56 17 4432.33 7.47 185.01 182.48 62.61 17 10 10 3832.3 3.74 178.32
 100.00 1 30 58 2466.71 -29.39 57.20 189.53 95.73 2 12 5 1866.7 -28.28 48.57
 100.00 17 9 33 4195.94 8.70 166.97 181.81 61.29 18 19 29 3595.9 4.80 160.35
 110.00 2 57 15 2196.75 -33.05 36.14 188.96 99.26 3 33 51 1596.7 -31.42 27.29
 110.00 17 59 46 4038.66 11.88 153.14 179.90 57.71 19 7 5 3438.7 7.54 146.74

DIFFERENTIAL CORRECTIONS

TDE 1.2388 TRA-2.1664 TC3-3.0477 BAU 1.0324
 RDE .1886 RRA .0660 RC3 .0885 FAU .04684
 FDE .8030 FRA -.1453 FC3-1.6009 BSP 13032
 BOE 1.2531 BRA 2.1675 BC3 3.0490 FSP -492

MID-COURSE EXECUTION ACCURACY

SGT 4232.7 SGR 245.2 SG3 160.8
 RRT -.1629 RRF .0863 RTF .8469
 SGB 4239.8 R23 -.2278 R13 -.8468
 SG1 4232.9 SG2 241.9 TMA 179.46

ORBIT DETERMINATION ACCURACY

ST 1607.5 SR 216.0 SS 495.7
 CRT .8200 CRS -.9844 CST -.9045
 LSA 1679.7 MSA 234.4 SSA 11.3
 EL1 1617.3 EL2 122.9 ALF 6.33

LAUNCH DATE DEC 31 1965

FLIGHT TIME 144.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 99.11 VL 27.271 GAL -5.94 AZL 85.03 MCA 215.45 SMA 125.12 ECC .20306 INC 4.9734 V1 30.286
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.091 GAP 9.09 AZP 94.05 TAL 204.68 TAP 60.13 RCA 99.71 APO 150.53 V2 34.785
 RC 157.067 GL 28.70 GP -13.23 ZAL 124.76 ZAP 158.46 ETS 322.55 ZAE 129.02 ETE 191.15 ZAC 71.12 ETC 158.78 CLP-162.84

PLANETOCENTRIC CONIC

C3 23.979 VHL 4.897 DLA 14.99 RAL 320.78 RAD 6568.0 VEL 12.056 PTH 2.15 VHP 6.312 DPA -26.31 RAP 339.93 ECC 1.3946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 9 17 2743.44 -27.93 77.71 190.71 94.86 0 55 0 2143.4 -26.96 69.17
 90.00 16 4 57 4417.05 6.99 184.15 183.72 62.49 17 18 34 3817.1 3.25 177.46
 100.00 1 38 44 2454.94 -29.30 56.34 190.56 96.18 2 19 39 1854.9 -28.14 47.73
 100.00 17 18 11 4180.79 8.20 166.12 183.06 61.15 18 27 51 3580.8 4.29 159.52
 110.00 3 5 6 2184.73 -32.92 35.22 189.97 99.78 3 41 30 1584.7 -31.22 26.41
 110.00 18 8 19 4023.76 11.34 152.32 181.17 57.54 19 15 22 3423.8 6.98 145.95

DIFFERENTIAL CORRECTIONS

TOE 1.2211 TRA-2.0689 TC3-3.2985 BAU 1.0580
 RDE .1921 RRA .0507 RC3 .1067 FAU .04581
 FDE .7663 FRA -.0970 FC3-1.6538 BSP 13522
 BOE 1.2361 BRA 2.0695 BC3 3.3002 FSP -505

MID-COURSE EXECUTION ACCURACY

SGT 4330.9 SGR 255.4 SG3 160.3
 RRT -.1541 RRF .0528 RTF .8474
 SGB 4338.4 R23 -.1861 R13 -.8473
 SG1 4331.1 SG2 252.4 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 1617.4 SR 225.6 S5 490.1
 CRT .8415 CR5 -.9904 CST -.9029
 LSA 1689.0 MSA 232.9 S5A 12.6
 EL1 1628.6 EL2 121.0 ALF 6.73

LAUNCH DATE DEC 31 1965

FLIGHT TIME 146.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 99.11 VL 27.203 GAL -5.56 AZL 85.23 MCA 218.61 SMA 124.69 ECC .20346 INC 4.7736 V1 30.286
 RP 108.94 LAP -2.98 LOP 317.62 VP 37.042 GAP 9.25 AZP 93.73 TAL 202.86 TAP 61.47 RCA 99.32 APO 150.06 V2 34.786
 RC 159.265 GL 28.16 GP -12.13 ZAL 123.08 ZAP 159.78 ETS 323.54 ZAE 129.30 ETE 190.29 ZAC 72.86 ETC 160.01 CLP-163.70

PLANETOCENTRIC CONIC

C3 22.791 VHL 4.774 DLA 15.20 RAL 322.93 RAD 6567.9 VEL 12.007 PTH 2.14 VHP 6.377 DPA -24.44 RAP 341.78 ECC 1.3751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 15 53 2738.70 -27.90 77.36 192.00 95.03 1 1 31 2138.7 -26.91 68.84
 90.00 16 15 29 4396.99 6.35 183.01 185.14 62.35 17 28 46 3797.0 2.60 176.34
 100.00 1 45 30 2449.68 -29.27 55.95 191.85 96.38 2 26 19 1849.7 -28.07 47.35
 100.00 17 28 33 4161.24 7.56 165.03 184.48 60.99 18 37 54 3561.2 3.63 158.44
 110.00 3 12 11 2178.43 -32.84 34.75 191.24 100.06 3 48 30 1578.4 -31.11 25.96
 110.00 18 18 21 4005.26 10.66 151.32 182.61 57.33 19 25 6 3405.3 6.28 144.97

DIFFERENTIAL CORRECTIONS

TOE 1.2202 TRA-1.9611 TC3-3.5424 BAU 1.0800
 RDE .1964 RRA .0363 RC3 .1236 FAU .04445
 FDE .7390 FRA -.0460 FC3-1.6884 BSP 13886
 BOE 1.2359 BRA 1.9614 BC3 3.5446 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 4419.6 SGR 267.5 SG3 159.1
 RRT -.1393 RRF .0528 RTF .8470
 SGB 4427.7 R23 -.1527 R13 -.8469
 SG1 4419.8 SG2 264.9 THA 179.52

ORBIT DETERMINATION ACCURACY

ST 1640.2 SR 236.1 S5 489.5
 CRT .8646 CR5 -.9946 CST -.9033
 LSA 1712.4 MSA 230.7 S5A 13.8
 EL1 1652.9 EL2 117.7 ALF 7.13

LAUNCH DATE DEC 31 1965

FLIGHT TIME 148.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 99.11 VL 27.136 GAL -5.17 AZL 85.40 MCA 221.77 SMA 124.26 ECC .20402 INC 4.5996 V1 30.286
 RP 108.93 LAP -3.06 LOP 320.78 VP 36.995 GAP 9.42 AZP 93.43 TAL 201.03 TAP 62.80 RCA 98.91 APO 149.62 V2 34.788
 RC 161.449 GL 27.70 GP -11.20 ZAL 121.21 ZAP 160.99 ETS 324.30 ZAE 129.54 ETE 189.55 ZAC 74.72 ETC 161.10 CLP-164.54

PLANETOCENTRIC CONIC

C3 21.740 VHL 4.663 DLA 15.55 RAL 325.18 RAD 6567.9 VEL 11.963 PTH 2.13 VHP 6.450 DPA -22.72 RAP 343.68 ECC 1.3578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 21 36 2739.92 -27.91 77.45 193.93 94.99 1 7 16 2139.9 -26.93 68.92
 90.00 16 27 43 4372.89 5.59 181.65 186.74 62.20 17 40 36 3772.9 1.83 175.00
 100.00 1 51 29 2450.04 -29.27 55.98 193.37 96.37 2 32 19 1850.0 -28.08 47.37
 100.00 17 40 31 4138.00 6.79 163.73 186.09 60.82 18 49 29 3538.0 2.85 157.16
 110.00 3 18 44 2177.04 -32.83 34.64 192.77 100.12 3 55 1 1577.0 -31.08 25.85
 110.00 18 29 45 3983.76 9.87 150.16 184.21 57.11 19 36 9 3383.8 5.47 143.83

DIFFERENTIAL CORRECTIONS

TOE 1.2325 TRA-1.8434 TC3-3.7812 BAU 1.0997
 RDE .2010 RRA .0230 RC3 .1389 FAU .04289
 FDE .7181 FRA .0059 FC3-1.7081 BSP 14166
 BOE 1.2488 BRA 1.8436 BC3 3.7838 FSP -502

MID-COURSE EXECUTION ACCURACY

SGT 4500.7 SGR 280.5 SG3 157.3
 RRT -.1201 RRF .0232 RTF .8462
 SGB 4509.4 R23 -.1262 R13 -.8462
 SG1 4500.8 SG2 278.5 THA 179.57

ORBIT DETERMINATION ACCURACY

ST 1674.1 SR 247.2 S5 492.5
 CRT .8880 CR5 -.9970 CST -.9057
 LSA 1747.7 MSA 227.3 S5A 14.9
 EL1 1688.5 EL2 112.7 ALF 7.50

LAUNCH DATE DEC 31 1965

FLIGHT TIME 150.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 99.11 VL 27.070 GAL -4.77 AZL 85.55 MCA 224.93 SMA 123.85 ECC .20474 INC 4.4459 V1 30.286
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.950 GAP 9.60 AZP 93.15 TAL 199.19 TAP 64.12 RCA 98.49 APO 149.21 V2 34.791
 RC 163.619 GL 27.28 GP -10.41 ZAL 119.16 ZAP 162.10 ETS 324.85 ZAE 129.75 ETE 188.92 ZAC 76.66 ETC 162.05 CLP-165.36

PLANETOCENTRIC CONIC

C3 20.810 VHL 4.562 DLA 16.02 RAL 327.54 RAD 6567.8 VEL 11.924 PTH 2.12 VHP 6.529 DPA -21.10 RAP 345.63 ECC 1.3425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 26 37 2746.45 -27.95 77.93 195.29 94.75 1 12 23 2146.5 -27.00 69.39
 90.00 16 41 32 4345.31 4.71 180.10 188.54 62.05 17 53 58 3745.3 .94 173.46
 100.00 1 56 52 2455.39 -29.31 56.37 195.14 96.16 2 37 48 1855.4 -28.15 47.76
 100.00 17 53 58 4111.61 5.91 162.26 187.88 60.64 19 2 30 3511.6 1.96 155.71
 110.00 3 24 53 2180.01 -32.86 34.87 194.55 99.99 4 1 13 1580.0 -31.14 26.07
 110.00 18 42 27 3959.76 8.98 148.87 186.01 56.88 19 48 26 3359.8 4.56 142.57

DIFFERENTIAL CORRECTIONS

TOE 1.2539 TRA-1.7189 TC3-4.0190 BAU 1.1189
 RDE .2057 RRA .0101 RC3 .1522 FAU .04132
 FDE .7003 FRA .0558 FC3-1.7191 BSP 14439
 BOE 1.2706 BRA 1.7190 BC3 4.0219 FSP -497

MID-COURSE EXECUTION ACCURACY

SGT 4579.4 SGR 293.6 SG3 155.5
 RRT -.0981 RRF .0198 RTF .8460
 SGB 4588.8 R23 -.1037 R13 -.8460
 SG1 4579.5 SG2 292.2 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 1716.5 SR 258.5 S5 497.1
 CRT .9102 CR5 -.9975 CST -.9096
 LSA 1791.8 MSA 222.3 S5A 16.1
 EL1 1732.6 EL2 106.1 ALF 7.83

LAUNCH DATE DEC 31 1965

FLIGHT TIME 152.00

ARRIVAL DATE JUN 1 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 27.006 GAL -4.36 AZL 85.69 MCA 228.09 SMA 123.45 ECC .20564 INC 4.3082 V1 30.286
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.905 GAP 9.78 AZP 92.88 TAL 197.34 TAP 65.43 RCA 98.06 APO 148.83 V2 34.794
 RC 165.775 GL 26.90 GP -9.73 ZAL 116.94 ZAP 163.15 ETS 325.21 ZAE 129.94 ETE 188.38 ZAC 78.67 ETC 162.90 CLP-166.17

PLANETOCENTRIC CONIC
 C3 19.991 VML 4.471 DLA 16.59 RAL 330.03 RAD 6567.8 VEL 11.090 PTH 2.11 VMP 6.616 DPA -19.56 RAP 347.62 ECC 1.3290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 4 2757.88 -28.01 78.76 197.28 94.34 1 17 2 2157.9 -27.11 70.20
 90.00 16 56 54 4314.70 3.73 178.39 190.55 61.91 18 8 49 3714.7 -0.05 171.75
 100.00 2 1 48 2465.32 -29.38 57.10 197.14 95.78 2 42 53 1865.3 -28.27 48.47
 100.00 18 8 52 4082.49 4.94 160.65 189.89 60.48 19 16 55 3482.5 .97 154.11
 110.00 3 30 46 2186.93 -32.94 35.39 196.58 99.69 4 7 13 1586.9 -31.26 26.57
 110.00 18 56 23 3933.65 8.01 147.48 188.00 56.66 20 1 57 3333.7 3.56 141.20

DIFFERENTIAL CORRECTIONS
 TDE 1.2863 TRA-1.5839 TC3-4.2476 BAU 1.1361 SGT 4650.8 SGR 306.9 SG3 153.4 ST 1770.2 SR 269.8 SS 504.5
 RDE .2105 RRA -.0019 RC3 .1635 FAU .03963 RRT -.0738 RRF .0234 RTF .8455 CRT .9310 CRS -.9963 CST -.9148
 FDE .6870 FRA .1063 FC3-1.7162 BSP 14637 SGB 4660.9 R23 -.0862 R13 -.8454 LSA 1847.7 MSA 216.2 SSA 17.1
 BDE 1.3034 BRA 1.5839 BC3 4.2508 FSP -487 SG1 4650.8 SG2 306.1 THA 179.72 EL1 1788.0 EL2 97.5 ALF 8.10

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 154.00

ARRIVAL DATE JUN 3 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.942 GAL -3.94 AZL 85.82 MCA 231.25 SMA 123.05 ECC .20673 INC 4.1836 V1 30.286
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.863 GAP 9.96 AZP 92.62 TAL 195.48 TAP 66.73 RCA 97.62 APO 148.49 V2 34.798
 RC 167.915 GL 26.53 GP -9.13 ZAL 114.55 ZAP 164.13 ETS 325.38 ZAE 130.12 ETE 187.92 ZAC 80.75 ETC 163.65 CLP-166.97

PLANETOCENTRIC CONIC
 C3 19.277 VML 4.391 DLA 17.25 RAL 332.64 RAD 6567.8 VEL 11.860 PTH 2.10 VMP 6.708 DPA -18.09 RAP 349.64 ECC 1.3172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 35 4 2773.88 -28.09 79.92 199.52 93.76 1 21 18 2173.9 -27.27 71.35
 90.00 17 13 46 4281.44 2.67 176.52 192.78 61.80 18 25 8 3681.4 -1.13 169.90
 100.00 2 6 22 2479.50 -29.47 58.14 199.39 95.24 2 47 41 1879.5 -28.43 49.49
 100.00 18 25 10 4051.08 3.88 158.92 192.11 60.34 19 32 41 3451.1 -1.10 152.39
 110.00 3 36 29 2197.50 -33.06 36.19 198.86 99.23 4 13 7 1597.5 -31.43 27.34
 110.00 19 11 32 3905.83 6.96 146.00 190.20 56.45 20 16 37 3305.8 2.50 139.75

DIFFERENTIAL CORRECTIONS
 TDE 1.3227 TRA-1.4439 TC3-4.4756 BAU 1.1543 SGT 4724.1 SGR 319.7 SG3 151.3 ST 1828.6 SR 281.1 SS 511.0
 RDE .2153 RRA -.0134 RC3 .1724 FAU .03805 RRT -.0489 RRF .0281 RTF .8464 CRT .9490 CRS -.9936 CST -.9207
 FDE .6730 FRA .1526 FC3-1.7090 BSP 14911 SGB 4734.9 R23 -.0698 R13 -.8464 LSA 1907.9 MSA 208.6 SSA 18.3
 BDE 1.3401 BRA 1.4439 BC3 4.4789 FSP -483 SG1 4724.1 SG2 319.3 THA 179.81 EL1 1848.0 EL2 87.7 ALF 8.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 156.00

ARRIVAL DATE JUN 5 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.880 GAL -3.51 AZL 85.93 MCA 234.41 SMA 122.67 ECC .20801 INC 4.0695 V1 30.286
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.821 GAP 10.15 AZP 92.37 TAL 193.61 TAP 68.02 RCA 97.15 APO 148.19 V2 34.803
 RC 170.040 GL 26.15 GP -8.61 ZAL 111.99 ZAP 165.06 ETS 325.38 ZAE 130.28 ETE 187.51 ZAC 82.87 ETC 164.33 CLP-167.74

PLANETOCENTRIC CONIC
 C3 18.665 VML 4.320 DLA 17.98 RAL 335.40 RAD 6567.8 VEL 11.834 PTH 2.10 VMP 6.807 DPA -16.67 RAP 351.69 ECC 1.3072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 42 2794.26 -28.17 81.41 202.00 93.02 1 25 16 2194.3 -27.45 72.81
 90.00 17 32 7 4245.88 1.52 174.54 195.24 61.72 18 42 53 3645.9 -2.27 167.91
 100.00 2 10 39 2497.70 -29.58 59.48 201.89 94.54 2 52 17 1897.7 -28.63 50.81
 100.00 18 42 50 4017.67 2.75 157.08 194.56 60.22 19 49 48 3417.7 -1.23 150.56
 110.00 3 42 8 2211.48 -33.21 37.26 201.40 98.61 4 19 0 1611.5 -31.66 28.37
 110.00 19 27 51 3876.65 5.86 144.46 192.63 56.26 20 32 27 3276.7 1.39 138.23

DIFFERENTIAL CORRECTIONS
 TDE 1.3667 TRA-1.2950 TC3-4.6922 BAU 1.1717 SGT 4794.1 SGR 332.2 SG3 149.2 ST 1895.6 SR 292.3 SS 518.8
 RDE .2202 RRA -.0241 RC3 .1790 FAU .03646 RRT -.0233 RRF .0364 RTF .8477 CRT .9643 CRS -.9896 CST -.9271
 FDE .6614 FRA .1979 FC3-1.6913 BSP 15162 SGB 4805.6 R23 -.0563 R13 -.8477 LSA 1976.8 MSA 200.0 SSA 19.4
 BDE 1.3843 BRA 1.2952 BC3 4.6956 FSP -477 SG1 4794.1 SG2 332.1 THA 179.91 EL1 1916.5 EL2 76.6 ALF 8.47

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 158.00

ARRIVAL DATE JUN 7 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.818 GAL -3.07 AZL 86.04 MCA 237.57 SMA 122.30 ECC .20949 INC 3.9640 V1 30.286
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.781 GAP 10.34 AZP 92.13 TAL 191.73 TAP 69.31 RCA 96.68 APO 147.92 V2 34.808
 RC 172.148 GL 25.75 GP -8.15 ZAL 109.28 ZAP 165.94 ETS 325.20 ZAE 130.45 ETE 187.16 ZAC 85.04 ETC 164.94 CLP-168.51

PLANETOCENTRIC CONIC
 C3 18.157 VML 4.261 DLA 18.77 RAL 338.29 RAD 6567.7 VEL 11.813 PTH 2.09 VMP 6.912 DPA -15.29 RAP 353.75 ECC 1.2988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 42 0 2818.83 -28.24 83.20 204.72 92.12 1 28 59 2218.8 -27.65 74.58
 90.00 17 51 55 4208.35 .31 172.45 197.96 61.68 19 2 3 3608.4 -3.48 165.81
 100.00 2 14 46 2519.74 -29.68 61.11 204.64 93.69 2 56 45 1919.7 -28.86 52.41
 100.00 19 1 51 3982.68 1.57 155.16 197.26 60.14 20 8 13 3382.7 -2.42 148.64
 110.00 3 47 47 2228.67 -33.38 38.57 204.20 97.85 4 24 56 1628.7 -31.93 29.64
 110.00 19 45 18 3846.51 4.72 142.87 195.29 56.10 20 49 25 3246.5 .24 136.65

DIFFERENTIAL CORRECTIONS
 TDE 1.4164 TRA-1.1372 TC3-4.8938 BAU 1.1887 SGT 4861.0 SGR 344.2 SG3 147.0 ST 1969.2 SR 303.4 SS 526.4
 RDE .2253 RRA -.0338 RC3 .1830 FAU .03489 RRT .0025 RRF .0466 RTF .8496 CRT .9767 CRS -.9844 CST -.9337
 FDE .6503 FRA .2418 FC3-1.6638 BSP 15416 SGB 4873.1 R23 .0445 R13 .8496 LSA 2051.8 MSA 190.7 SSA 20.5
 BDE 1.4342 BRA 1.1377 BC3 4.8972 FSP -472 SG1 4861.0 SG2 344.2 THA .01 EL1 1991.4 EL2 64.4 ALF 8.57

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 160.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 478.574

RL 147.10 LAL .00 LOL 99.11 VL 26.757 GAL -2.61 AZL 86.13 MCA 240.74 SMA 121.93 ECC .21120 INC 3.8657 V1 30.286
 RP 108.85 LAP -3.37 LOP 339.80 VP 36.743 GAP 10.54 AZP 91.89 TAL 189.85 TAP 70.58 RCA 96.18 APO 147.68 V2 34.814
 RC 174.239 GL 25.32 GP -7.75 ZAL 106.42 ZAP 166.79 ETS 324.83 ZAE 130.61 ETE 186.86 ZAC 87.24 ETC 165.49 CLP-169.26

PLANETOCENTRIC CONIC

C3 17.752 VHL 4.213 DLA 19.60 RAL 341.34 RAD 6567.7 VEL 11.796 PTH 2.09 VHP 7.023 DPA -13.95 RAP 355.84 ECC 1.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 4 2847.48 -28.30 85.29 207.70 91.07 1 32 32 2247.5 -27.85 76.66
 90.00 18 13 9 4169.19 -.96 170.26 200.93 61.70 19 22 38 3569.2 -4.73 163.62
 100.00 2 18 44 2545.43 -29.78 63.02 207.65 92.69 3 1 10 1945.4 -29.09 54.28
 100.00 19 22 10 3946.47 .34 153.17 200.21 60.11 20 27 56 3346.5 -3.64 146.64
 110.00 3 53 32 2248.86 -33.55 40.12 207.27 96.95 4 31 1 1648.9 -32.23 31.14
 110.00 20 3 52 3815.81 3.55 141.26 198.21 55.98 21 7 27 3215.8 -.94 135.05

DIFFERENTIAL CORRECTIONS

TDE 1.4748 TRA -.9868 TC3-5.0671 BAU 1.2033
 RDE .2309 RRA -.0425 RC3 .1847 FAU .03324
 FDE .6421 FRA .2873 FC3-1.6213 BSP 15576
 BDE 1.4928 BRA .9877 BC3 5.0704 FSP -463

MID-COURSE EXECUTION ACCURACY

SGT 4919.5 SGR 355.8 SG3 144.6
 RRT .0291 RRF .0807 RTF .8509
 SGB 4932.3 R23 .0358 R13 .8509
 SGI 4919.5 SG2 355.6 THA .12

ORBIT DETERMINATION ACCURACY

ST 2052.8 SR 314.6 SS 535.8
 CRT .9862 CRS -.9782 CST -.9403
 LSA 2136.9 MSA 181.6 SSA 21.6
 EL1 2076.1 EL2 51.5 ALF 8.60

LAUNCH DATE DEC 31 1965

FLIGHT TIME 162.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 484.212

RL 147.10 LAL .00 LOL 99.11 VL 26.697 GAL -2.14 AZL 86.23 MCA 243.91 SMA 121.57 ECC .21313 INC 3.7733 V1 30.286
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.706 GAP 10.75 AZP 91.66 TAL 187.95 TAP 71.86 RCA 95.66 APO 147.49 V2 34.821
 RC 176.312 GL 24.85 GP -7.39 ZAL 103.41 ZAP 167.60 ETS 324.27 ZAE 130.77 ETE 186.59 ZAC 89.47 ETC 165.98 CLP-170.01

PLANETOCENTRIC CONIC

C3 17.455 VHL 4.178 DLA 20.47 RAL 344.53 RAD 6567.7 VEL 11.783 PTH 2.08 VHP 7.141 DPA -12.63 RAP 357.94 ECC 1.2873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 55 2880.05 -28.32 87.68 210.94 89.88 1 35 56 2280.1 -28.03 79.02
 90.00 18 35 46 4128.79 -2.26 168.01 204.18 61.77 19 44 35 3528.8 -6.02 161.34
 100.00 2 22 39 2574.59 -29.86 65.18 210.92 91.56 3 5 34 1974.6 -29.32 56.42
 100.00 19 43 44 3909.49 -.91 151.14 203.43 60.12 20 48 53 3309.5 -4.88 144.60
 110.00 3 59 26 2271.82 -33.73 41.89 210.62 95.92 4 37 18 1671.8 -32.54 32.86
 110.00 20 23 27 3765.02 2.38 139.65 201.38 55.89 21 26 32 3185.0 -2.11 133.45

DIFFERENTIAL CORRECTIONS

TDE 1.5351 TRA -.7902 TC3-5.2209 BAU 1.2191
 RDE .2369 RRA -.0502 RC3 .1834 FAU .03170
 FDE .8330 FRA .3293 FC3-1.5725 BSP 15799
 BDE 1.5533 BRA .7918 BC3 5.2242 FSP -456

MID-COURSE EXECUTION ACCURACY

SGT 4980.1 SGR 366.7 SG3 142.3
 RRT .0549 RRF .0748 RTF .8537
 SGB 4993.6 R23 .0277 R13 .8537
 SGI 4980.2 SG2 366.1 THA .23

ORBIT DETERMINATION ACCURACY

ST 2137.7 SR 325.7 SS 543.5
 CRT .9926 CRS -.9713 CST -.9466
 LSA 2222.8 MSA 172.4 SSA 22.6
 EL1 2162.0 EL2 39.1 ALF 8.60

LAUNCH DATE DEC 31 1965

FLIGHT TIME 164.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 489.836

RL 147.10 LAL .00 LOL 99.11 VL 26.639 GAL -1.66 AZL 86.31 MCA 247.07 SMA 121.23 ECC .21531 INC 3.6857 V1 30.286
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.670 GAP 10.98 AZP 91.44 TAL 186.06 TAP 73.13 RCA 95.12 APO 147.33 V2 34.828
 RC 178.366 GL 24.32 GP -7.07 ZAL 100.28 ZAP 168.37 ETS 323.50 ZAE 130.92 ETE 186.36 ZAC 91.74 ETC 166.42 CLP-170.74

PLANETOCENTRIC CONIC

C3 17.271 VHL 4.156 DLA 21.35 RAL 347.87 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 7.267 DPA -11.34 RAP .05 ECC 1.2842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 37 2916.39 -28.28 90.33 214.42 88.55 1 39 14 2316.4 -28.18 81.67
 90.00 18 59 44 4087.55 -3.58 165.70 207.71 61.89 20 7 51 3487.5 -7.32 159.01
 100.00 2 26 35 2606.97 -29.89 67.59 214.44 90.29 3 10 2 2007.0 -29.53 58.80
 100.00 20 6 27 3872.20 -2.18 149.09 206.93 60.18 21 10 59 3272.2 -6.13 142.54
 110.00 4 5 34 2297.30 -33.89 43.86 214.23 94.76 4 43 51 1697.3 -32.86 34.78
 110.00 20 43 57 3754.64 1.22 138.06 204.81 55.84 21 46 32 3154.6 -3.27 131.86

DIFFERENTIAL CORRECTIONS

TDE 1.5988 TRA -.6032 TC3-5.3411 BAU 1.2339
 RDE .2435 RRA -.0568 RC3 .1795 FAU .03019
 FDE .6234 FRA .3707 FC3-1.5133 BSP 16021
 BDE 1.6170 BRA .6058 BC3 5.3441 FSP -451

MID-COURSE EXECUTION ACCURACY

SGT 5036.1 SGR 376.9 SG3 139.9
 RRT .0805 RRF .0898 RTF .8569
 SGB 5050.2 R23 .0205 R13 .8570
 SGI 5036.2 SG2 375.6 THA .35

ORBIT DETERMINATION ACCURACY

ST 2224.2 SR 336.7 SS 550.0
 CRT .9963 CRS -.9637 CST -.9523
 LSA 2309.8 MSA 163.8 SSA 23.6
 EL1 2249.3 EL2 28.7 ALF 8.58

LAUNCH DATE DEC 31 1965

FLIGHT TIME 166.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 495.444

RL 147.10 LAL .00 LOL 99.11 VL 26.581 GAL -1.15 AZL 86.40 MCA 250.24 SMA 120.89 ECC .21776 INC 3.6020 V1 30.286
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.636 GAP 11.21 AZP 91.22 TAL 184.15 TAP 74.40 RCA 94.56 APO 147.21 V2 34.836
 RC 180.400 GL 23.73 GP -6.78 ZAL 97.03 ZAP 169.12 ETS 322.51 ZAE 131.08 ETE 186.16 ZAC 94.02 ETC 166.81 CLP-171.46

PLANETOCENTRIC CONIC

C3 17.207 VHL 4.148 DLA 22.23 RAL 351.36 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 7.400 DPA -10.08 RAP 2.18 ECC 1.2832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 12 2956.30 -28.18 93.25 218.15 87.09 1 42 29 2356.3 -28.29 84.58
 90.00 19 24 55 4045.92 -4.92 163.37 211.51 62.08 20 32 21 3445.9 -8.61 156.64
 100.00 2 30 35 2642.31 -29.87 70.22 218.22 88.91 3 14 37 2042.3 -29.71 61.42
 100.00 20 30 14 3835.14 -3.43 147.06 210.70 60.29 21 34 9 3235.1 -7.36 140.47
 110.00 4 12 1 2324.97 -34.03 46.01 218.12 93.50 4 50 46 1725.0 -33.17 36.88
 110.00 21 5 17 3725.25 .09 136.53 208.50 55.82 22 7 22 3125.3 -4.39 130.32

DIFFERENTIAL CORRECTIONS

TDE 1.6846 TRA -.4063 TC3-5.4233 BAU 1.2482
 RDE .2509 RRA -.0622 RC3 .1729 FAU .02869
 FDE .6137 FRA .4114 FC3-1.4434 BSP 16245
 BDE 1.6834 BRA .4111 BC3 5.4261 FSP -447

MID-COURSE EXECUTION ACCURACY

SGT 5089.0 SGR 386.4 SG3 137.4
 RRT .1056 RRF .1059 RTF .8605
 SGB 5103.6 R23 .0145 R13 .8605
 SGI 5089.1 SG2 384.2 THA .46

ORBIT DETERMINATION ACCURACY

ST 2310.3 SR 347.7 SS 555.1
 CRT .9975 CRS -.9557 CST -.9574
 LSA 2396.1 MSA 156.3 SSA 24.3
 EL1 2336.2 EL2 24.3 ALF 8.54

LAUNCH DATE DEC 31 1965

FLIGHT TIME 168.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 501.033

RL 147.10 LAL .00 LOL 99.11 VL 26.524 GAL -.64 AZL 86.48 MCA 253.41 SMA 120.55 ECC .22048 INC 3.5216 V1 30.286
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.602 GAP 11.45 AZP 91.01 TAL 182.25 TAP 75.66 RCA 93.97 APO 147.13 V2 34.845
 RC 182.414 GL 23.08 GP -6.52 ZAL 93.67 ZAP 169.83 ETS 321.25 ZAE 131.24 ETE 185.98 ZAC 96.33 ETC 167.17 CLP-172.18

PLANETOCENTRIC CONIC

C3 17.271 VHL 4.156 DLA 23.10 RAL 354.97 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 7.542 DPA -8.83 RAP 4.32 ECC 1.2842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 44 2999.52 -27.99 96.40 222.11 85.52 1 45 43 2399.5 -28.32 87.75
 90.00 19 51 14 4004.42 -6.23 161.03 215.60 62.32 20 57 58 3404.4 -9.89 154.26
 100.00 2 34 45 2680.24 -29.79 73.03 222.24 87.43 3 19 25 2080.2 -29.83 64.23
 100.00 20 54 53 3798.94 -4.65 145.06 214.73 60.44 21 58 12 3198.9 -8.55 138.45
 110.00 4 18 53 2354.48 -34.12 48.31 222.26 92.14 4 58 7 1754.5 -33.45 39.13
 110.00 21 27 15 3697.47 -.97 135.08 212.44 55.83 22 28 53 3097.5 -5.45 128.86

DIFFERENTIAL CORRECTIONS

TDE 1.7346 TRA -.1951 TC3-5.4545 BAU 1.2600
 RDE .2593 RRA -.0661 RC3 .1640 FAU .02716
 FDE .6046 FRA .4535 FC3-1.3613 BSP 16388
 BDE 1.7538 BRA .2060 BC3 5.4570 FSP -439

MID-COURSE EXECUTION ACCURACY

SGT 5134.0 SGR 395.2 SG3 134.9
 RRT .1311 RRF .1238 RTF .8639
 SGB 5149.2 R23 .0100 R13 .8640
 SGI 5134.3 SG2 391.8 THA .58

ORBIT DETERMINATION ACCURACY

ST 2396.9 SR 358.7 SS 559.6
 CRT .9966 CRS -.9471 CST -.9619
 LSA 2482.7 MSA 150.6 SSA 24.8
 EL1 2423.4 EL2 29.2 ALF 8.48

LAUNCH DATE DEC 31 1965

FLIGHT TIME 170.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 506.602

RL 147.10 LAL .00 LOL 99.11 VL 26.468 GAL -.10 AZL 86.56 MCA 256.58 SMA 120.23 ECC .22351 INC 3.4438 V1 30.286
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.570 GAP 11.71 AZP 90.80 TAL 180.34 TAP 76.93 RCA 93.36 APO 147.10 V2 34.854
 RC 184.407 GL 22.35 GP -6.28 ZAL 90.24 ZAP 170.52 ETS 319.71 ZAE 131.39 ETE 185.83 ZAC 98.65 ETC 167.48 CLP-172.89

PLANETOCENTRIC CONIC

C3 17.474 VHL 4.180 DLA 23.93 RAL 358.70 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 7.693 DPA -7.60 RAP 6.47 ECC 1.2876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 14 3045.71 -27.70 99.74 226.28 83.87 1 49 0 2445.7 -28.26 91.12
 90.00 20 18 28 3963.66 -7.52 158.72 219.95 62.62 21 24 32 3363.7 -11.13 151.90
 100.00 2 39 10 2720.28 -29.63 76.00 226.48 85.87 3 24 30 2120.3 -29.89 67.20
 100.00 21 20 13 3764.31 -5.81 143.14 219.02 60.63 22 22 57 3164.3 -9.68 136.50
 110.00 4 26 13 2385.37 -34.18 50.72 226.64 90.71 5 5 58 1785.4 -33.70 41.51
 110.00 21 49 39 3671.99 -1.94 133.75 216.62 55.87 22 50 51 3072.0 -6.41 127.51

DIFFERENTIAL CORRECTIONS

TDE 1.7963 TRA .0140 TC3-5.4607 BAU 1.2762
 RDE .2684 RRA -.0695 RC3 .1515 FAU .02606
 FDE .5906 FRA .4829 FC3-1.2912 BSP 16844
 BDE 1.8162 BRA .0709 BC3 5.4628 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 5187.0 SGR 402.9 SG3 132.3
 RRT .1557 RRF .1388 RTF .8733
 SGB 5202.7 R23 .0021 R13 .8733
 SGI 5187.4 SG2 397.9 THA .70

ORBIT DETERMINATION ACCURACY

ST 2465.9 SR 369.3 SS 557.5
 CRT .9940 CRS -.9393 CST -.9664
 LSA 2550.7 MSA 144.3 SSA 25.0
 EL1 2493.1 EL2 39.9 ALF 8.47

LAUNCH DATE DEC 31 1965

FLIGHT TIME 172.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 512.148

RL 147.10 LAL .00 LOL 99.11 VL 26.413 GAL .46 AZL 86.63 MCA 259.76 SMA 119.91 ECC .22687 INC 3.3679 V1 30.286
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.540 GAP 11.98 AZP 90.60 TAL 178.44 TAP 78.20 RCA 92.71 APO 147.12 V2 34.863
 RC 186.379 GL 21.56 GP -6.07 ZAL 86.75 ZAP 171.18 ETS 317.82 ZAE 131.55 ETE 185.69 ZAC 100.99 ETC 167.75 CLP-173.59

PLANETOCENTRIC CONIC

C3 17.829 VHL 4.222 DLA 24.70 RAL 2.52 RAD 6567.7 VEL 11.799 PTH 2.09 VHP 7.854 DPA -6.38 RAP 8.63 ECC 1.2934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 48 3094.52 -27.29 103.26 230.64 82.15 1 52 22 2494.5 -28.10 94.68
 90.00 20 46 26 3924.18 -8.75 156.47 224.55 62.96 21 51 50 3324.2 -12.30 149.60
 100.00 2 43 56 2761.96 -29.39 79.07 230.93 84.27 3 29 58 2162.0 -29.87 70.30
 100.00 21 45 59 3731.97 -6.89 141.35 223.54 60.84 22 48 11 3132.0 -10.72 134.66
 110.00 4 34 8 2417.21 -34.18 53.21 231.24 89.24 5 14 25 1817.2 -33.90 43.97
 110.00 22 12 16 3649.49 -2.80 132.58 221.02 55.92 23 13 6 3049.5 -7.26 126.32

DIFFERENTIAL CORRECTIONS

TDE 1.8720 TRA .2564 TC3-5.3807 BAU 1.2830
 RDE .2795 RRA -.0699 RC3 .1396 FAU .02427
 FDE .5870 FRA .5351 FC3-1.1787 BSP 16713
 BDE 1.8928 BRA .2657 BC3 5.3825 FSP -423

MID-COURSE EXECUTION ACCURACY

SGT 5219.8 SGR 410.6 SG3 130.0
 RRT .1808 RRF .1639 RTF .8725
 SGB 5236.0 R23 .0053 R13 .8725
 SGI 5220.4 SG2 403.8 THA .82

ORBIT DETERMINATION ACCURACY

ST 2546.4 SR 380.5 SS 564.9
 CRT .9899 CRS -.9296 CST -.9695
 LSA 2631.9 MSA 144.7 SSA 24.9
 EL1 2574.2 EL2 53.3 ALF 8.42

LAUNCH DATE DEC 31 1965

FLIGHT TIME 174.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 517.667

RL 147.10 LAL .00 LOL 99.11 VL 26.359 GAL 1.04 AZL 86.71 MCA 262.93 SMA 119.61 ECC .23057 INC 3.2935 V1 30.286
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.510 GAP 12.27 AZP 90.41 TAL 176.53 TAP 79.47 RCA 92.03 APO 147.18 V2 34.873
 RC 188.330 GL 20.70 GP -5.88 ZAL 83.23 ZAP 171.81 ETS 315.54 ZAE 131.70 ETE 185.57 ZAC 103.35 ETC 167.98 CLP-174.29

PLANETOCENTRIC CONIC

C3 18.351 VHL 4.284 DLA 25.41 RAL 6.42 RAD 6567.7 VEL 11.821 PTH 2.09 VHP 8.027 DPA -5.18 RAP 10.80 ECC 1.3020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 3 30 3145.35 -26.77 106.89 235.16 80.41 1 55 55 2545.4 -27.82 98.38
 90.00 21 14 51 3886.80 -9.90 154.33 229.37 63.33 22 19 37 3286.8 -13.40 147.40
 100.00 2 49 12 2804.54 -29.06 82.20 235.55 82.66 3 35 57 2204.5 -29.77 73.46
 100.00 22 11 49 3702.85 -7.85 139.72 228.27 61.06 23 13 32 3102.9 -11.65 133.00
 110.00 4 42 42 2449.44 -34.12 55.72 236.04 87.75 5 23 32 1849.4 -34.05 46.48
 110.00 22 34 48 3630.72 -3.52 131.60 225.61 55.98 23 35 19 3030.7 -7.96 125.33

DIFFERENTIAL CORRECTIONS

TDE 1.9389 TRA .5036 TC3-5.2602 BAU 1.2909
 RDE .2913 RRA -.0694 RC3 .1254 FAU .02278
 FDE .5771 FRA .5778 FC3-1.0747 BSP 16796
 BDE 1.9606 BRA .5084 BC3 5.2617 FSP -415

MID-COURSE EXECUTION ACCURACY

SGT 5252.7 SGR 417.0 SG3 127.4
 RRT .2052 RRF .1852 RTF .8763
 SGB 5269.3 R23 .0043 R13 .8763
 SGI 5253.4 SG2 408.1 THA .94

ORBIT DETERMINATION ACCURACY

ST 2606.4 SR 390.9 SS 564.4
 CRT .9846 CRS -.9202 CST -.9724
 LSA 2691.3 MSA 145.2 SSA 24.3
 EL1 2634.7 EL2 67.5 ALF 8.41

LAUNCH DATE DEC 31 1965

FLIGHT TIME 176.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC DISTANCE 523.156
 RL 147.10 LAL .00 LOL 99.11 VL 26.305 GAL 1.64 AZL 86.78 HCA 266.11 SMA 119.30 ECC .23467 INC 3.2201 V1 30.286
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.482 GAP 12.58 AZP 90.22 TAL 174.64 TAP 80.75 RCA 91.31 APO 147.30 V2 34.884
 RC 190.259 GL 19.78 GP -5.70 ZAL 79.69 ZAP 172.41 ETS 312.78 ZAE 131.86 ETE 185.47 ZAC 105.71 ETC 168.18 CLP-174.99

PLANETOCENTRIC CONIC
 C3 19.057 VHL 4.365 DLA 26.03 RAL 10.37 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 8.211 DPA -4.00 RAP 12.98 ECC 1.3136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 28 3197.53 -26.12 110.57 239.81 78.67 1 59 46 2597.5 -27.43 102.14
 90.00 21 43 20 3852.37 -10.94 152.34 234.37 63.72 22 47 32 3252.4 -14.39 145.35
 100.00 2 55 8 2847.21 -28.65 85.30 240.31 81.08 3 42 35 2247.2 -29.58 76.62
 100.00 22 37 21 3677.92 -8.67 138.32 233.17 61.28 23 38 39 3077.9 -12.43 131.56
 110.00 4 52 1 2481.51 -34.00 58.22 241.01 86.28 5 33 22 1881.5 -34.15 48.98
 110.00 22 56 37 3616.39 -4.06 130.85 230.35 56.03 23 57 14 3016.4 -8.50 124.56

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.9971 TRA .7588 TC3-5.1018 BAU 1.3001 SGT 5285.8 SGR 422.4 SG3 124.8 ST 2645.6 SR 400.5 SS 560.0
 ROE .3043 RRA -.0675 RC3 .1100 FAU .02144 RRT .2284 RRF .2053 RTF .8813 CRT .9784 CRS -.9105 CST -.9748
 FOE .5645 FRA .6182 FC3 -.9741 BSP 16958 SGB 5302.7 R23 .0028 R13 .8813 LSA 2729.7 MSA 147.2 SSA 23.6
 BOE 2.0202 BRA .7618 BC3 5.1030 FSP -408 SG1 5286.7 SG2 411.2 TMA 1.05 EL1 2674.5 EL2 81.9 ALF 8.43

LAUNCH DATE DEC 31 1965

FLIGHT TIME 178.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC DISTANCE 528.611
 RL 147.10 LAL .00 LOL 99.11 VL 26.253 GAL 2.27 AZL 86.85 HCA 269.29 SMA 119.01 ECC .23918 INC 3.1472 V1 30.286
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.455 GAP 12.91 AZP 90.04 TAL 172.74 TAP 82.03 RCA 90.55 APO 147.47 V2 34.895
 RC 192.167 GL 18.80 GP -5.55 ZAL 76.18 ZAP 172.98 ETS 309.48 ZAE 132.00 ETE 185.38 ZAC 108.08 ETC 168.34 CLP-175.69

PLANETOCENTRIC CONIC
 C3 19.968 VHL 4.469 DLA 26.57 RAL 14.32 RAD 6567.8 VEL 11.889 PTH 2.11 VHP 8.409 DPA -2.83 RAP 15.17 ECC 1.3286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 9 34 3230.14 -25.37 114.24 244.55 76.98 2 4 4 2650.1 -26.91 105.91
 90.00 22 11 28 3821.91 -11.85 150.57 239.53 64.09 23 15 10 3221.9 -15.24 143.53
 100.00 3 1 54 2889.08 -28.17 88.32 245.20 79.56 3 50 3 2289.1 -29.32 79.71
 100.00 23 2 9 3658.20 -9.31 137.21 238.20 61.47 24 3 8 3058.2 -13.05 130.42
 110.00 5 2 7 2512.91 -33.84 60.66 246.11 84.85 5 44 0 1912.9 -34.18 51.43
 110.00 23 18 25 3607.14 -4.41 130.36 235.21 56.07 24 18 33 3007.1 -8.84 124.07

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 2.0508 TRA 1.0282 TC3-4.8968 BAU 1.3075 SGT 5314.1 SGR 426.9 SG3 122.2 ST 2669.7 SR 409.3 SS 553.7
 ROE .3185 RRA -.0639 RC3 .0942 FAU .02012 RRT .2515 RRF .2260 RTF .8865 CRT .9713 CRS -.9004 CST -.9769
 FOE .5514 FRA .6594 FC3 -.8724 BSP 17105 SGB 5331.2 R23 .0018 R13 .8865 LSA 2752.8 MSA 151.2 SSA 22.6
 BOE 2.0754 BRA 1.0302 BC3 4.8977 FSP -402 SG1 5315.2 SG2 413.1 TMA 1.16 EL1 2699.1 EL2 96.3 ALF 8.48

LAUNCH DATE DEC 31 1965

FLIGHT TIME 180.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC DISTANCE 534.026
 RL 147.10 LAL .00 LOL 99.11 VL 26.202 GAL 2.93 AZL 86.93 HCA 272.47 SMA 118.72 ECC .24414 INC 3.0744 V1 30.286
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.428 GAP 13.27 AZP 89.87 TAL 170.86 TAP 83.33 RCA 89.74 APO 147.71 V2 34.906
 RC 194.054 GL 17.78 GP -5.40 ZAL 72.71 ZAP 173.50 ETS 305.52 ZAE 132.15 ETE 185.30 ZAC 110.46 ETC 168.46 CLP-176.38

PLANETOCENTRIC CONIC
 C3 21.111 VHL 4.595 DLA 27.00 RAL 18.26 RAD 6567.9 VEL 11.937 PTH 2.12 VHP 8.623 DPA -1.68 RAP 17.37 ECC 1.3474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 4 3301.95 -24.53 117.80 249.37 75.38 2 9 6 2702.0 -26.30 109.58
 90.00 22 38 44 3796.71 -12.60 149.09 244.78 64.43 23 42 1 3196.7 -15.94 142.01
 100.00 3 9 43 2929.13 -27.64 91.18 250.19 78.14 3 58 32 2329.1 -29.00 82.64
 100.00 23 25 46 3644.77 -9.75 136.45 243.30 61.60 24 26 31 3044.8 -13.47 129.64
 110.00 5 13 3 2543.17 -33.63 63.00 251.32 83.48 5 55 26 1943.2 -34.17 53.80
 110.00 23 38 55 3603.49 -4.55 130.17 240.14 56.08 24 38 59 3003.5 -8.98 123.87

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 2.0980 TRA 1.3123 TC3-4.6521 BAU 1.3132 SGT 5337.9 SGR 430.3 SG3 119.7 ST 2676.7 SR 417.0 SS 546.1
 ROE .3338 RRA -.0585 RC3 .0786 FAU .01883 RRT .2741 RRF .2474 RTF .8917 CRT .9633 CRS -.8897 CST -.9786
 FOE .5379 FRA .7019 FC3 -.7723 BSP 17231 SGB 5355.2 R23 .0015 R13 .8917 LSA 2758.9 MSA 156.9 SSA 21.5
 BOE 2.1244 BRA 1.3136 BC3 4.6528 FSP -396 SG1 5339.2 SG2 413.8 TMA 1.27 EL1 2706.7 EL2 110.7 ALF 8.55

LAUNCH DATE DEC 31 1965

FLIGHT TIME 182.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC DISTANCE 539.397
 RL 147.10 LAL .00 LOL 99.11 VL 26.151 GAL 3.62 AZL 87.00 HCA 275.65 SMA 118.44 ECC .24961 INC 3.0011 V1 30.286
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.403 GAP 13.65 AZP 89.70 TAL 168.98 TAP 84.64 RCA 88.88 APO 148.01 V2 34.918
 RC 195.918 GL 16.74 GP -5.27 ZAL 69.30 ZAP 173.98 ETS 300.80 ZAE 132.29 ETE 185.23 ZAC 112.84 ETC 168.54 CLP-177.08

PLANETOCENTRIC CONIC
 C3 22.515 VHL 4.745 DLA 27.33 RAL 22.15 RAD 6567.9 VEL 11.996 PTH 2.14 VHP 8.853 DPA -.55 RAP 19.57 ECC 1.3705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 19 24 3351.23 -23.64 121.14 254.26 73.94 2 15 15 2751.2 -25.62 113.02
 90.00 23 4 27 3778.54 -13.13 148.02 250.08 64.68 24 7 25 3178.5 -16.43 140.90
 100.00 3 18 47 2966.35 -27.09 93.81 255.25 76.86 4 8 13 2366.3 -28.63 85.35
 100.00 23 47 44 3638.66 -9.94 136.11 248.44 61.66 24 48 23 3038.7 -13.65 129.28
 110.00 5 24 49 2571.94 -33.39 65.21 256.60 82.19 6 7 41 1971.9 -34.10 56.04
 110.00 0 2 7 3605.83 -4.46 130.29 245.10 56.07 1 2 13 3005.8 -8.89 124.00

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 2.1416 TRA 1.6153 TC3-4.3684 BAU 1.3151 SGT 5356.6 SGR 433.0 SG3 117.2 ST 2671.4 SR 423.5 SS 538.4
 ROE .3503 RRA -.0513 RC3 .0639 FAU .01751 RRT .2971 RRF .2702 RTF .8967 CRT .9544 CRS -.8785 CST -.9803
 FOE .5253 FRA .7468 FC3 -.6751 BSP 17261 SGB 5374.1 R23 .0023 R13 .8967 LSA 2752.9 MSA 163.9 SSA 20.3
 BOE 2.1700 BRA 1.6161 BC3 4.3689 FSP -387 SG1 5358.2 SG2 413.3 TMA 1.38 EL1 2701.9 EL2 125.0 ALF 8.62

LAUNCH DATE DEC 31 1965

FLIGHT TIME 184.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.101 GAL 4.34 AZL 87.07 HCA 278.84 SMA 118.17 ECC .25563 INC 2.9270 V1 30.286
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.379 GAP 14.06 AZP 89.55 TAL 167.12 TAP 85.96 RCA 87.96 APO 148.37 V2 34.930
 RC 197.761 GL 15.67 GP -5.15 ZAL 65.98 ZAP 174.40 ETS 295.22 ZAE 132.42 ETE 185.17 ZAC 115.22 ETC 168.59 CLP-177.79

PLANETOCENTRIC CONIC
 C3 24.216 VHL 4.921 DLA 27.56 RAL 25.96 RAD 6568.0 VEL 12.066 PTH 2.16 VHP 9.101 DPA .56 RAP 21.79 ECC 1.3985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 26 32 3395.58 -22.77 124.10 259.19 72.70 2 23 7 2795.6 -24.93 116.09
 90.00 23 27 43 3769.75 -13.38 147.50 255.36 64.81 24 30 33 3169.7 -16.67 140.36
 100.00 3 29 18 2999.81 -26.55 96.15 260.37 75.74 4 19 18 2399.8 -28.25 87.76
 100.00 0 11 34 3640.75 -9.88 136.23 253.55 61.64 1 12 14 3040.7 -13.59 129.41
 110.00 5 37 23 2598.97 -33.12 67.27 261.92 81.00 6 20 42 1999.0 -34.00 58.15
 110.00 0 19 58 3614.35 -4.14 130.74 250.06 56.04 1 20 12 3014.4 -8.57 124.45

DIFFERENTIAL CORRECTIONS
 TDE 2.1729 TRA 1.9298 TC3-4.0683 BAU 1.3172 SGT 5371.8 SGR 434.3 SG3 114.7 ST 2644.5 SR 428.2 SS 527.7
 RDE .3675 RRA -.0425 RC3 .0500 FAU .01630 RRT .3189 RRF .2914 RTF .9022 CRT .9446 CRS -.8663 CST -.9816
 FDE .5102 FRA .7913 FC3 -.5827 BSP 17382 SGB 5389.3 R23 .0021 R13 .9023 LSA 2725.0 MSA 171.9 SSA 19.1
 BDE 2.2038 BRA 1.9303 BC3 4.0686 FSP -381 SG1 5373.6 SG2 411.5 THA 1.49 EL1 2675.3 EL2 139.0 ALF 8.72

LAUNCH DATE DEC 31 1965

FLIGHT TIME 186.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.052 GAL 5.10 AZL 87.15 HCA 282.03 SMA 117.90 ECC .26226 INC 2.8516 V1 30.286
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.356 GAP 14.51 AZP 89.41 TAL 165.28 TAP 87.31 RCA 86.98 APO 148.82 V2 34.942
 RC 199.580 GL 14.59 GP -5.04 ZAL 62.76 ZAP 174.74 ETS 288.70 ZAE 132.55 ETE 185.11 ZAC 117.59 ETC 168.59 CLP-178.49

PLANETOCENTRIC CONIC
 C3 26.258 VHL 5.124 DLA 27.69 RAL 29.67 RAD 6568.1 VEL 12.150 PTH 2.18 VHP 9.371 DPA 1.66 RAP 24.01 ECC 1.4321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 13 3432.24 -22.01 126.51 264.19 71.72 2 33 25 2832.2 -24.30 118.60
 90.00 23 47 35 3773.00 -13.29 147.69 260.54 64.76 24 50 28 3173.0 -16.58 140.56
 100.00 3 41 20 3028.90 -26.05 98.17 265.52 74.79 4 31 49 2428.9 -27.88 89.84
 100.00 0 29 5 3651.56 -9.53 136.84 258.60 61.53 1 29 56 3051.6 -13.26 130.03
 110.00 5 50 39 2624.19 -32.83 69.19 267.27 79.90 6 34 23 2024.2 -33.88 60.10
 110.00 0 36 15 3629.04 -3.58 131.51 254.97 55.98 1 36 44 3029.0 -8.02 125.24

DIFFERENTIAL CORRECTIONS
 TDE 2.1972 TRA 2.2620 TC3-3.7510 BAU 1.3168 SGT 5382.5 SGR 434.6 SG3 112.2 ST 2604.5 SR 431.2 SS 517.0
 RDE .3855 RRA -.0318 RC3 .0375 FAU .01512 RRT .3404 RRF .3130 RTF .9079 CRT .9336 CRS -.8532 CST -.9828
 FDE .4954 FRA .8374 FC3 -.4986 BSP 17482 SGB 5400.1 R23 .0022 R13 .9079 LSA 2684.0 MSA 180.5 SSA 18.0
 BDE 2.2308 BRA 2.2622 BC3 3.7512 FSP -375 SG1 5384.6 SG2 408.5 THA 1.58 EL1 2635.5 EL2 152.7 ALF 8.82

LAUNCH DATE DEC 31 1965

FLIGHT TIME 188.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 26.004 GAL 5.91 AZL 87.23 HCA 285.22 SMA 117.64 ECC .26957 INC 2.7742 V1 30.286
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.334 GAP 14.99 AZP 89.27 TAL 163.46 TAP 88.67 RCA 85.93 APO 149.35 V2 34.955
 RC 201.376 GL 13.52 GP -4.94 ZAL 59.66 ZAP 175.00 ETS 281.25 ZAE 132.66 ETE 185.06 ZAC 119.97 ETC 168.55 CLP-179.21

PLANETOCENTRIC CONIC
 C3 28.692 VHL 9.356 DLA 27.72 RAL 33.24 RAD 6568.2 VEL 12.250 PTH 2.20 VHP 9.664 DPA 2.73 RAP 26.23 ECC 1.4722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 2 3459.03 -21.43 126.26 269.26 71.03 2 46 41 2859.0 -23.82 120.41
 90.00 0 7 13 3790.31 -12.79 148.71 265.57 64.52 1 10 23 3190.3 -16.11 141.62
 100.00 3 54 51 3053.45 -23.60 99.85 270.70 74.02 4 45 44 2453.4 -27.55 91.59
 100.00 0 44 5 3671.13 -8.89 137.94 263.55 61.34 1 43 16 3071.1 -12.65 131.17
 110.00 6 4 31 2647.66 -32.54 70.95 272.61 78.89 6 48 38 2047.7 -33.73 61.92
 110.00 0 50 55 3649.69 -2.79 132.59 259.82 55.92 1 51 45 3049.7 -7.25 126.33

DIFFERENTIAL CORRECTIONS
 TDE 2.2149 TRA 2.6131 TC3-3.4251 BAU 1.3139 SGT 5389.6 SGR 433.9 SG3 109.8 ST 2553.9 SR 432.4 SS 506.4
 RDE .4042 RRA -.0193 RC3 .0266 FAU .01398 RRT .3618 RRF .3347 RTF .9136 CRT .9215 CRS -.8393 CST -.9840
 FDE .4808 FRA .8858 FC3 -.4217 BSP 17557 SGB 5407.0 R23 .0025 R13 .9136 LSA 2632.4 MSA 189.6 SSA 17.0
 BDE 2.2514 BRA 2.6132 BC3 3.4252 FSP -368 SG1 5391.9 SG2 404.3 THA 1.68 EL1 2584.9 EL2 165.9 ALF 8.90

LAUNCH DATE DEC 31 1965

FLIGHT TIME 190.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 99.11 VL 25.957 GAL 6.76 AZL 87.31 HCA 288.41 SMA 117.38 ECC .27763 INC 2.6945 V1 30.286
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.312 GAP 15.52 AZP 89.15 TAL 161.66 TAP 90.07 RCA 84.79 APO 149.97 V2 34.968
 RC 203.147 GL 12.45 GP -4.85 ZAL 56.70 ZAP 175.15 ETS 273.01 ZAE 132.76 ETE 185.01 ZAC 122.33 ETC 168.47 CLP-179.94

PLANETOCENTRIC CONIC
 C3 31.581 VHL 5.620 DLA 27.67 RAL 36.67 RAD 6568.3 VEL 12.367 PTH 2.23 VHP 9.984 DPA 3.78 RAP 28.46 ECC 1.5198
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 53 3475.93 -21.05 129.36 274.40 70.61 3 2 49 2875.9 -23.50 121.55
 90.00 0 18 42 3821.54 -11.86 150.54 270.41 64.10 1 22 24 3221.5 -15.25 143.51
 100.00 4 9 39 3073.73 -25.21 101.23 275.87 73.39 5 0 53 2473.7 -27.25 93.02
 100.00 0 56 37 3698.97 -7.98 139.50 268.37 61.10 1 58 16 3099.0 -11.77 132.77
 110.00 6 18 48 2669.57 -32.24 72.59 277.92 77.96 7 3 17 2069.6 -33.56 63.61
 110.00 1 3 58 3675.90 -1.79 133.96 264.57 55.88 2 5 14 3075.9 -6.26 127.72

DIFFERENTIAL CORRECTIONS
 TDE 2.2291 TRA 2.9888 TC3-3.0914 BAU 1.3053 SGT 5392.3 SGR 432.2 SG3 107.5 ST 2498.3 SR 431.7 SS 497.3
 RDE .4234 RRA -.0047 RC3 .0176 FAU .01280 RRT .3834 RRF .3573 RTF .9193 CRT .9081 CRS -.8249 CST -.9853
 FDE .4677 FRA .9378 FC3 -.3508 BSP 17495 SGB 5409.6 R23 .0031 R13 .9193 LSA 2575.9 MSA 198.7 SSA 16.0
 BDE 2.2690 BRA 2.9888 BC3 3.0915 FSP -359 SG1 5394.8 SG2 398.9 THA 1.77 EL1 2529.0 EL2 178.6 ALF 8.96

LAUNCH DATE DEC 31 1965

FLIGHT TIME 192.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 565.254

RL 147.10 LAL .00 LOL 99.11 VL 25.911 GAL 7.67 AZL 87.39 MCA 291.61 SMA 117.14 ECC .28654 INC 2.6116 V1 30.286
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.292 GAP 16.10 AZP 89.04 TAL 159.90 TAP 91.50 RCA 83.57 APO 150.70 V2 34.981
 RC 204.893 GL 11.41 GP -4.76 ZAL 53.88 ZAP 175.19 ETS 264.27 ZAE 132.84 ETE 184.97 ZAC 124.69 ETC 168.34 CLP 179.32

PLANETOCENTRIC CONIC

C3 35.005 VHL 5.916 DLA 27.54 RAL 39.93 RAD 6568.4 VEL 12.505 PTH 2.26 VHP 10.334 DPA 4.80 RAP 30.69 ECC 1.5761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 59 3485.15 -20.84 129.95 279.58 70.38 3 21 5 2885.1 -23.32 122.16
 90.00 0 26 37 3864.20 -10.58 153.02 275.06 63.58 1 31 2 3264.2 -14.05 146.06
 100.00 4 25 26 3090.44 -24.88 102.37 281.03 72.88 5 16 56 2490.4 -26.99 94.20
 100.00 1 6 52 3734.15 -6.81 141.47 273.05 60.82 2 9 6 3134.1 -10.65 134.78
 110.00 6 33 20 2690.18 -31.93 74.12 283.18 77.10 7 18 10 2090.2 -33.38 65.19
 110.00 1 15 27 3707.18 -.60 135.59 269.21 55.82 2 17 14 3107.2 -5.08 129.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2335 TRA 3.3814 TC3-2.7685 BAU 1.2956 SGT 5389.7 SGR 429.1 SG3 105.2 ST 2432.2 SR 428.8 SS 487.8
 RDE .4428 RRA .0115 RC3 .0101 FAU .01172 RRT .4041 RRF .3786 RTF .9252 CRT .8932 CRS -.8091 CST -.9865
 FDE .4535 FRA .9911 FC3 -.2899 BSP 17618 SGB 5406.8 R23 .0030 R13 .9252 LSA 2508.8 MSA 207.6 SSA 15.1
 BDE 2.2770 BRA 3.3814 BC3 2.7685 FSP -353 SG1 5392.5 SG2 392.3 THA 1.85 EL1 2462.3 EL2 190.4 ALF 9.00

LAUNCH DATE DEC 31 1965

FLIGHT TIME 194.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 570.135

RL 147.10 LAL .00 LOL 99.11 VL 25.866 GAL 8.64 AZL 87.48 MCA 294.80 SMA 116.90 ECC .29640 INC 2.5250 V1 30.286
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.273 GAP 16.73 AZP 88.94 TAL 158.18 TAP 92.98 RCA 82.25 APO 151.54 V2 34.994
 RC 206.614 GL 10.39 GP -4.68 ZAL 51.20 ZAP 175.10 ETS 255.43 ZAE 132.91 ETE 184.93 ZAC 127.03 ETC 168.16 CLP 178.57

PLANETOCENTRIC CONIC

C3 39.056 VHL 6.249 DLA 27.34 RAL 43.02 RAD 6568.5 VEL 12.666 PTH 2.30 VHP 10.718 DPA 5.80 RAP 32.92 ECC 1.6428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 42 19 3489.75 -20.73 130.25 284.73 70.27 3 40 29 2889.7 -23.24 122.47
 90.00 0 31 56 3914.98 -9.03 155.95 279.52 63.05 1 37 11 3315.0 -12.58 149.06
 100.00 4 41 50 3104.45 -24.60 103.31 286.15 72.46 5 33 34 2504.4 -26.77 95.18
 100.00 1 15 6 3775.49 -5.44 143.76 277.58 60.56 2 18 1 3175.5 -9.32 137.13
 110.00 6 47 57 2709.78 -31.63 75.57 288.37 76.30 7 33 7 2109.8 -33.19 66.69
 110.00 1 25 28 3742.92 .77 137.45 273.73 55.82 2 27 51 3142.9 -3.72 131.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2329 TRA 3.7994 TC3-2.4541 BAU 1.2814 SGT 5383.0 SGR 425.0 SG3 103.0 ST 2362.9 SR 423.9 SS 479.7
 RDE .4623 RRA .0296 RC3 .0043 FAU .01065 RRT .4245 RRF .4000 RTF .9312 CRT .8769 CRS -.7927 CST -.9877
 FDE .4403 FRA 1.0479 FC3 -.2362 BSP 17669 SGB 5399.8 R23 .0029 R13 .9312 LSA 2438.5 MSA 216.0 SSA 14.2
 BDE 2.2803 BRA 3.7995 BC3 2.4541 FSP -347 SG1 5386.1 SG2 384.6 THA 1.93 EL1 2392.2 EL2 201.3 ALF 9.01

LAUNCH DATE DEC 31 1965

FLIGHT TIME 196.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 574.873

RL 147.10 LAL .00 LOL 99.11 VL 25.822 GAL 9.68 AZL 87.57 MCA 298.00 SMA 116.66 ECC .30734 INC 2.4336 V1 30.286
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.254 GAP 17.43 AZP 88.86 TAL 156.50 TAP 94.50 RCA 80.81 APO 152.52 V2 35.007
 RC 208.309 GL 9.39 GP -4.61 ZAL 48.68 ZAP 174.88 ETS 246.91 ZAE 132.95 ETE 184.88 ZAC 129.35 ETC 167.92 CLP 177.79

PLANETOCENTRIC CONIC

C3 43.854 VHL 6.622 DLA 27.08 RAL 45.92 RAD 6568.7 VEL 12.854 PTH 2.34 VHP 11.141 DPA 6.76 RAP 35.15 ECC 1.7217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 1 3492.13 -20.68 130.40 289.84 70.21 4 0 13 2892.1 -23.19 122.63
 90.00 0 35 24 3971.04 -7.29 159.14 283.82 62.56 1 41 35 3371.0 -10.91 152.33
 100.00 4 58 30 3116.63 -24.35 104.13 291.19 72.10 5 50 26 2516.6 -26.56 96.03
 100.00 1 21 36 3821.77 -3.88 146.32 281.96 60.34 2 25 18 3221.8 -7.80 139.73
 110.00 7 2 29 2728.67 -31.31 76.95 293.48 75.54 7 47 57 2128.7 -32.98 68.13
 110.00 1 34 7 3782.49 2.28 139.52 278.13 55.88 2 37 9 3182.5 -2.21 133.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2293 TRA 4.2450 TC3-2.1528 BAU 1.2622 SGT 5372.7 SGR 419.7 SG3 100.8 ST 2293.3 SR 417.2 SS 473.3
 RDE .4819 RRA .0496 RC3 -.0000 FAU .00960 RRT .4448 RRF .4214 RTF .9372 CRT .8593 CRS -.7757 CST -.9890
 FDE .4281 FRA 1.1089 FC3 -.1896 BSP 17701 SGB 5389.1 R23 .0027 R13 .9373 LSA 2367.9 MSA 223.4 SSA 13.5
 BDE 2.2808 BRA 4.2453 BC3 2.1528 FSP -341 SG1 5376.0 SG2 375.7 THA 2.00 EL1 2321.3 EL2 210.8 ALF 8.96

LAUNCH DATE DEC 31 1965

FLIGHT TIME 198.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 579.440

RL 147.10 LAL .00 LOL 99.11 VL 25.779 GAL 10.81 AZL 87.66 MCA 301.20 SMA 116.43 ECC .31951 INC 2.3366 V1 30.286
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.236 GAP 18.20 AZP 88.79 TAL 154.88 TAP 96.08 RCA 79.23 APO 153.64 V2 35.020
 RC 209.976 GL 8.43 GP -4.55 ZAL 46.32 ZAP 174.54 ETS 239.04 ZAE 132.96 ETE 184.84 ZAC 131.64 ETC 167.63 CLP 176.98

PLANETOCENTRIC CONIC

C3 49.546 VHL 7.039 DLA 26.77 RAL 48.64 RAD 6568.8 VEL 13.073 PTH 2.39 VHP 11.610 DPA 7.70 RAP 37.36 ECC 1.8154
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 30 3493.96 -20.64 130.52 294.85 70.17 4 19 44 2894.0 -23.15 122.75
 90.00 0 37 35 4030.40 -5.41 162.49 287.97 62.16 1 44 46 3430.4 -9.09 155.75
 100.00 5 15 6 3127.74 -24.11 104.87 296.14 71.77 6 7 14 2527.7 -26.38 96.80
 100.00 1 26 40 3871.85 -2.19 149.08 286.20 60.18 2 31 12 3271.9 -6.14 142.52
 110.00 7 16 46 2747.07 -30.99 78.29 298.47 74.80 8 2 33 2147.1 -32.77 69.52
 110.00 1 41 30 3825.28 3.91 141.76 282.40 56.01 2 45 16 3225.3 -5.58 135.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2270 TRA 4.7245 TC3-1.8643 BAU 1.2349 SGT 5359.9 SGR 413.5 SG3 98.8 ST 2227.6 SR 408.7 SS 469.6
 RDE .5016 RRA .0715 RC3 -.0028 FAU .00851 RRT .4653 RRF .4433 RTF .9433 CRT .8406 CRS -.7589 CST -.9903
 FDE .4181 FRA 1.1754 FC3 -.1487 BSP 17635 SGB 5375.8 R23 .0026 R13 .9433 LSA 2301.5 MSA 229.5 SSA 12.7
 BDE 2.2828 BRA 4.7250 BC3 1.8643 FSP -332 SG1 5363.3 SG2 365.8 THA 2.07 EL1 2254.2 EL2 218.8 ALF 8.85

LAUNCH DATE DEC 31 1965

FLIGHT TIME 200.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 583.797

RL 147.10 LAL .00 LOL 99.11 VL 25.737 GAL 12.02 AZL 87.77 HCA 304.41 SMA 116.21 ECC .33306 INC 2.2328 V1 30.286
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.219 GAP 19.06 AZP 88.74 TAL 153.33 TAP 97.73 RCA 77.51 APO 154.92 V2 35.034
 RC 211.617 GL 7.51 GP -4.49 ZAL 44.13 ZAP 174.09 ETS 232.02 ZAE 132.95 ETE 184.80 ZAC 133.91 ETC 167.28 CLP 176.15

PLANETOCENTRIC CONIC

C3 56.318 VHL 7.505 OLA 26.42 RAL 51.17 RAD 6569.0 VEL 13.330 PTH 2.44 VMP 12.130 DPA 8.60 RAP 39.57 ECC 1.9269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 26 3496.09 -20.59 130.66 299.74 70.12 4 38 42 2896.1 -23.11 122.89
 90.00 0 38 49 4091.74 -3.45 165.94 291.98 61.88 1 47 0 3491.7 -7.19 159.25
 100.00 5 31 25 3138.31 -23.88 105.57 300.98 71.47 6 23 43 2538.3 -26.19 97.53
 100.00 1 30 31 3924.76 -4.40 151.98 290.28 60.11 2 35 55 3324.8 -4.37 145.45
 110.00 7 30 40 2765.16 -30.66 79.60 303.34 74.10 8 16 45 2165.2 -32.54 70.88
 110.00 1 47 45 3870.67 5.64 144.14 286.54 56.23 2 52 15 3270.7 1.16 137.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2192 TRA 5.2336 TC3-1.5977 BAU 1.2029 SGT 5341.2 SGR 405.9 SG3 96.8 ST 2160.5 SR 398.4 SS 467.1
 RDE .5209 RRA .0950 RC3 -.0044 FAU .00746 RRT .4849 RRF .4642 RTF .9493 CRT .8206 CRS -.7413 CST -.9916
 FDE .4081 FRA 1.2461 FC3 -.1147 BSP 17660 SGB 5356.6 R23 .0021 R13 .9493 LSA 2233.7 MSA 234.3 SSA 12.0
 BDE 2.2795 BRA 5.2345 BC3 1.5977 FSP -326 SG1 5344.9 SG2 354.8 TMA 2.12 EL1 2185.3 EL2 225.1 ALF 8.70

LAUNCH DATE DEC 31 1965

FLIGHT TIME 202.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 587.898

RL 147.10 LAL .00 LOL 99.11 VL 25.696 GAL 13.34 AZL 87.88 HCA 307.61 SMA 116.00 ECC .34822 INC 2.1205 V1 30.286
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.203 GAP 20.02 AZP 88.71 TAL 151.85 TAP 99.47 RCA 75.61 APO 156.40 V2 35.047
 RC 213.230 GL 6.62 GP -4.43 ZAL 42.09 ZAP 173.52 ETS 225.88 ZAE 132.89 ETE 184.75 ZAC 136.13 ETC 166.85 CLP 175.27

PLANETOCENTRIC CONIC

C3 64.406 VHL 8.025 OLA 26.03 RAL 53.50 RAD 6569.2 VEL 13.629 PTH 2.49 VMP 12.711 DPA 9.46 RAP 41.76 ECC 2.0600
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 34 3498.97 -20.52 130.84 304.48 70.05 4 56 53 2899.0 -23.05 123.09
 90.00 0 39 16 4154.15 -1.44 169.42 295.84 61.72 1 48 30 3554.2 -5.21 162.77
 100.00 5 47 13 3148.69 -23.66 106.26 305.67 71.18 6 39 42 2548.7 -26.01 98.25
 100.00 1 33 18 3979.66 1.47 154.99 294.22 60.14 2 39 37 3379.7 -2.52 148.47
 110.00 7 44 5 2783.03 -30.32 80.88 308.06 73.41 8 30 28 2183.0 -32.29 72.22
 110.00 1 52 55 3918.09 7.42 146.65 290.54 56.54 2 58 13 3318.1 2.97 140.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2122 TRA 5.7814 TC3-1.3496 BAU 1.1621 SGT 5318.6 SGR 397.2 SG3 94.9 ST 2097.0 SR 386.5 SS 467.2
 RDE .5399 RRA .1202 RC3 -.0051 FAU .00638 RRT .5042 RRF .4850 RTF .9552 CRT .7998 CRS -.7240 CST -.9928
 FDE .3997 FRA 1.5232 FC3 -.0858 BSP 17669 SGB 5353.4 R23 .0016 R13 .9552 LSA 2170.0 MSA 237.4 SSA 11.4
 BDE 2.2771 BRA 5.7827 BC3 1.3496 FSP -320 SG1 5322.4 SG2 342.8 TMA 2.17 EL1 2120.0 EL2 229.5 ALF 8.49

LAUNCH DATE DEC 31 1965

FLIGHT TIME 204.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 591.683

RL 147.10 LAL .00 LOL 99.11 VL 25.657 GAL 14.78 AZL 88.00 HCA 310.82 SMA 115.80 ECC .36523 INC 1.9980 V1 30.286
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.188 GAP 21.09 AZP 88.69 TAL 150.48 TAP 101.30 RCA 73.51 APO 158.09 V2 35.060
 RC 214.816 GL 5.77 GP -4.38 ZAL 40.23 ZAP 172.85 ETS 220.57 ZAE 132.78 ETE 184.70 ZAC 138.31 ETC 166.36 CLP 174.35

PLANETOCENTRIC CONIC

C3 74.114 VHL 8.609 OLA 25.61 RAL 55.63 RAD 6569.4 VEL 13.981 PTH 2.55 VMP 13.363 DPA 10.29 RAP 43.92 ECC 2.2197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 15 48 3502.70 -20.43 131.08 309.06 69.96 5 14 11 2902.7 -22.98 123.33
 90.00 0 39 3 4216.98 .59 172.93 299.55 61.69 1 49 20 3617.0 -3.20 166.30
 100.00 6 2 23 3159.07 -23.43 106.95 310.20 70.88 6 55 2 2559.1 -25.82 98.96
 100.00 1 35 9 4035.85 3.37 158.08 298.01 60.28 2 42 25 3435.8 -.61 151.55
 110.00 7 56 56 2800.68 -29.97 82.13 312.61 72.74 8 43 37 2200.7 -32.04 73.53
 110.00 1 57 6 3967.00 9.25 149.26 294.40 56.94 3 3 13 3367.0 4.83 142.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2074 TRA 6.3734 TC3-1.1205 BAU 1.1103 SGT 5292.2 SGR 387.4 SG3 93.0 ST 2037.0 SR 373.2 SS 469.9
 RDE .5587 RRA .1470 RC3 -.0048 FAU .00524 RRT .5232 RRF .5056 RTF .9609 CRT .7786 CRS -.7072 CST -.9940
 FDE .3931 FRA 1.4079 FC3 -.0612 BSP 17656 SGB 5306.3 R23 .0011 R13 .9609 LSA 2111.0 MSA 238.6 SSA 10.7
 BDE 2.2770 BRA 6.3751 BC3 1.1205 FSP -314 SG1 5296.1 SG2 329.9 TMA 2.20 EL1 2058.8 EL2 231.8 ALF 8.22

LAUNCH DATE DEC 31 1965

FLIGHT TIME 206.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

DISTANCE 595.073

RL 147.10 LAL .00 LOL 99.11 VL 25.619 GAL 16.36 AZL 88.14 HCA 314.03 SMA 115.60 ECC .38437 INC 1.8630 V1 30.286
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.174 GAP 22.31 AZP 88.70 TAL 149.23 TAP 103.26 RCA 71.17 APO 160.04 V2 35.073
 RC 216.375 GL 4.95 GP -4.33 ZAL 38.54 ZAP 172.09 ETS 215.99 ZAE 132.61 ETE 184.65 ZAC 140.42 ETC 165.79 CLP 173.37

PLANETOCENTRIC CONIC

C3 85.837 VHL 9.265 OLA 25.17 RAL 57.56 RAD 6569.7 VEL 14.394 PTH 2.62 VMP 14.098 DPA 11.07 RAP 46.04 ECC 2.4127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 2 3507.19 -20.33 131.37 313.43 69.85 5 30 30 2907.2 -22.89 123.63
 90.00 0 38 13 4279.75 2.61 176.43 303.11 61.79 1 49 33 3679.8 -1.18 169.80
 100.00 6 16 48 3169.43 -23.20 107.63 314.54 70.60 7 9 38 2569.4 -25.63 99.67
 100.00 1 36 9 4092.74 5.28 161.22 301.63 60.54 2 44 21 3492.7 1.32 154.67
 110.00 8 9 7 2818.04 -29.62 83.36 318.96 72.10 8 56 5 2218.0 -31.77 74.81
 110.00 2 0 19 4016.90 11.09 151.95 298.11 57.46 3 7 16 3416.9 6.72 145.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2104 TRA 7.0184 TC3 -.9093 BAU 1.0435 SGT 5263.6 SGR 376.6 SG3 91.3 ST 1985.2 SR 358.7 SS 476.1
 RDE .5772 RRA .1754 RC3 -.0038 FAU .00397 RRT .5422 RRF .5263 RTF .9665 CRT .7578 CRS -.6918 CST -.9952
 FDE .3893 FRA 1.5022 FC3 -.0400 BSP 17545 SGB 5277.0 R23 .0005 R13 .9665 LSA 2059.1 MSA 237.6 SSA 10.1
 BDE 2.2845 BRA 7.0206 BC3 .9093 FSP -307 SG1 5267.6 SG2 316.2 TMA 2.23 EL1 2003.9 EL2 231.9 ALF 7.90

LAUNCH DATE DEC 31 1965

FLIGHT TIME 208.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

DISTANCE 597.966

RL 147.10 LAL .00 LOL 99.11 VL 25.583 GAL 18.12 AZL 88.29 MCA 317.25 SMA 115.42 ECC .40599 INC 1.7123 V1 30.286
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.161 GAP 23.69 A7P 88.74 TAL 148.11 TAP 105.36 RCA 68.56 APO 162.27 V2 35.086
 RC 217.906 GL 4.16 GP -4.29 ZAL 37.04 ZAP 171.21 ETS 212.03 ZAE 132.38 ETE 184.59 ZAC 142.47 ETC 165.14 CLP 172.52

PLANETOCENTRIC CONIC

C3 100.092 VHL 10.005 DLA 24.70 RAL 59.28 RAD 6569.9 VEL 14.681 PTH 2.69 VHP 14.931 DPA 11.81 RAP 48.11 ECC 2.6473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 15 3512.22 -20.21 131.69 317.59 69.73 5 45 47 2912.2 -22.79 123.97
 90.00 0 36 46 4342.06 4.61 179.92 306.49 62.03 1 49 8 3742.1 .83 173.28
 100.00 6 30 23 3179.68 -22.96 108.30 318.66 70.32 7 23 23 2579.7 -25.44 100.37
 100.00 1 36 19 4149.83 7.18 164.39 305.09 60.91 2 45 29 3549.8 3.25 157.81
 110.00 8 20 34 2834.95 -29.26 84.54 321.09 71.48 9 7 49 2235.0 -31.50 76.06
 110.00 2 2 37 4067.33 12.92 154.71 301.65 58.07 3 10 24 3467.3 0.61 148.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2152 TRA 7.7183 TC3 -.7195 BAU .9628 SGT 5228.9 SGR 364.5 SG3 89.6 ST 1934.1 SR 343.0 SS 484.8
 RDE .5951 RRA .2048 RC3 -.0025 FAU .00261 RRT .5601 RRF .5459 RTF .9717 CRT .7369 CRS -.6766 CST -.9962
 FDE .3667 FRA 1.6058 FC3 -.0226 BSP 17526 SGB 5241.6 R23 -.0002 R13 .9717 LSA 2009.5 MSA 234.7 SSA 9.5
 BDE 2.2938 BRA 7.7191 BC3 .7195 FSP -302 SGI 5232.9 SG2 301.7 TMA 2.24 EL1 1950.8 EL2 229.9 ALF 7.55

LAUNCH DATE DEC 31 1965

FLIGHT TIME 210.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 600.227

RL 147.10 LAL .00 LOL 99.11 VL 25.549 GAL 20.08 AZL 88.46 MCA 320.46 SMA 115.24 ECC .43051 INC 1.5420 V1 30.286
 RP 107.97 LAP -.98 LOP 59.58 VP 36.149 GAP 25.26 A7P 88.81 TAL 147.18 TAP 107.64 RCA 65.63 APO 164.86 V2 35.099
 RC 219.410 GL 3.41 GP -4.24 ZAL 35.73 ZAP 170.23 ETS 208.59 ZAE 132.06 ETE 184.51 ZAC 144.43 ETC 164.42 CLP 171.19

PLANETOCENTRIC CONIC

C3 117.566 VHL 10.843 DLA 24.21 RAL 60.79 RAD 6570.2 VEL 15.456 PTH 2.76 VHP 15.881 DPA 12.50 RAP 50.11 ECC 2.9348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 22 3517.47 -20.09 132.03 321.48 69.61 6 0 0 2917.5 -22.68 124.31
 90.00 0 34 40 4403.58 6.56 183.39 309.69 62.39 1 48 3 3803.6 2.81 176.71
 100.00 6 43 4 3189.59 -22.73 108.95 322.53 70.05 7 36 13 2589.6 -25.24 101.05
 100.00 1 35 39 4206.69 9.05 167.58 308.35 61.39 2 45 46 3606.7 5.16 160.95
 110.00 8 31 14 2851.19 -28.90 85.67 324.96 70.90 9 18 45 2251.2 -31.23 77.24
 110.00 2 3 59 4117.86 14.72 157.52 305.01 58.80 3 12 36 3517.9 10.48 150.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2292 TRA 8.4798 TC3 -.5480 BAU .8613 SGT 5190.2 SGR 351.2 SG3 88.0 ST 1887.2 SR 326.3 SS 497.2
 RDE .6127 RRA .2350 RC3 -.0008 FAU .00104 RRT .5773 RRF .5648 RTF .9765 CRT .7171 CRS -.6629 CST -.9970
 FDE .3867 FRA 1.7218 FC3 -.0077 BSP 17487 SGB 5202.1 R23 -.0008 R13 .9765 LSA 1965.3 MSA 229.8 SSA 8.9
 BDE 2.3119 BRA 8.4831 BC3 .5480 FSP -297 SGI 5194.2 SG2 286.6 TMA 2.24 EL1 1901.8 EL2 225.7 ALF 7.17

LAUNCH DATE DEC 31 1965

FLIGHT TIME 212.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 601.677

RL 147.10 LAL .00 LOL 99.11 VL 25.518 GAL 22.29 AZL 88.65 MCA 323.68 SMA 115.08 ECC .45843 INC 1.3468 V1 30.286
 RP 107.93 LAP -.80 LOP 62.80 VP 36.139 GAP 27.07 A7P 88.91 TAL 146.46 TAP 110.14 RCA 62.33 APO 167.84 V2 35.111
 RC 220.887 GL 2.70 GP -4.20 ZAL 34.63 ZAP 169.11 ETS 205.57 ZAE 131.63 ETE 184.43 ZAC 146.28 ETC 163.62 CLP 169.95

PLANETOCENTRIC CONIC

C3 139.180 VHL 11.797 DLA 23.71 RAL 62.07 RAD 6570.5 VEL 16.140 PTH 2.84 VHP 16.972 DPA 13.14 RAP 52.03 ECC 3.2906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 14 23 3522.53 -19.96 132.35 325.09 69.49 6 13 5 2922.5 -22.58 124.65
 90.00 0 31 49 4464.02 8.45 186.82 312.66 62.87 1 46 13 3864.0 4.75 180.10
 100.00 6 54 46 3198.85 -22.52 109.55 326.11 69.80 7 48 5 2598.9 -25.06 101.68
 100.00 1 34 7 4262.94 10.87 170.76 311.38 61.98 2 45 10 3662.9 7.04 164.07
 110.00 8 41 1 2866.46 -28.56 86.73 328.53 70.36 9 28 47 2266.5 -30.96 78.35
 110.00 2 4 22 4168.09 16.47 160.36 308.16 59.62 3 13 50 3568.1 12.32 153.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2558 TRA 9.3182 TC3 -.3942 BAU .7335 SGT 5147.3 SGR 336.8 SG3 86.5 ST 1843.8 SR 308.8 SS 513.8
 RDE .6299 RRA .2656 RC3 .0011 FAU-.00082 RRT .5936 RRF .5827 RTF .9809 CRT .6986 CRS -.6507 CST -.9977
 FDE .3900 FRA 1.8522 FC3 .0051 BSP 17429 SGB 5158.3 R23 -.0014 R13 .9809 LSA 1925.9 MSA 222.9 SSA 8.3
 BDE 2.3421 BRA 9.3220 BC3 .3942 FSP -292 SGI 5151.2 SG2 270.8 TMA 2.23 EL1 1856.6 EL2 219.4 ALF 6.77

LAUNCH DATE DEC 31 1965

FLIGHT TIME 214.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 602.075

RL 147.10 LAL .00 LOL 99.11 VL 25.489 GAL 24.79 AZL 88.88 MCA 326.90 SMA 114.94 ECC .49030 INC 1.1189 V1 30.286
 RP 107.89 LAP -.61 LOP 66.02 VP 36.131 GAP 29.17 A7P 89.06 TAL 146.00 TAP 112.90 RCA 58.58 APO 171.29 V2 35.124
 RC 222.336 GL 2.01 GP -4.16 ZAL 33.77 ZAP 167.85 ETS 202.90 ZAE 131.07 ETE 184.34 ZAC 148.00 ETC 162.76 CLP 168.58

PLANETOCENTRIC CONIC

C3 166.183 VHL 12.891 DLA 23.18 RAL 63.09 RAD 6570.8 VEL 16.956 PTH 2.92 VHP 18.233 DPA 13.73 RAP 53.83 ECC 3.7350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 14 3526.94 -19.86 132.63 328.36 69.39 6 25 1 2926.9 -22.49 124.94
 90.00 0 28 8 4523.13 10.27 190.21 315.38 63.47 1 43 31 3923.1 6.63 183.43
 100.00 7 5 26 3207.08 -22.32 110.08 329.35 69.59 7 58 53 2607.1 -24.90 102.23
 100.00 1 31 37 4318.23 12.62 173.94 314.16 62.67 2 43 35 3718.2 8.86 167.17
 110.00 8 49 51 2880.42 -28.23 87.69 331.76 69.88 9 37 51 2280.4 -30.71 79.36
 110.00 2 3 41 4217.65 18.16 163.21 311.05 60.53 3 13 59 3617.6 14.10 156.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3031 TRA10.2458 TC3 -.2566 BAU .5700 SGT 5101.6 SGR 321.3 SG3 85.0 ST 1804.7 SR 290.8 SS 535.4
 RDE .6471 RRA .2959 RC3 .0030 FAU-.00314 RRT .6088 RRF .5995 RTF .9848 CRT .6825 CRS -.6408 CST -.9983
 FDE .3980 FRA 2.0008 FC3 .0163 BSP 17257 SGB 5111.7 R23 -.0020 R13 .9848 LSA 1892.7 MSA 214.1 SSA 7.8
 BDE 2.3923 BRA10.2501 BC3 .2566 FSP -285 SGI 5105.3 SG2 254.7 TMA 2.20 EL1 1815.7 EL2 211.2 ALF 6.36

LAUNCH DATE DEC 31 1965

FLIGHT TIME 216.00

ARRIVAL DATE AUG 4 1966

DISTANCE 601.097

Heliocentric Conic
 RL 147.10 LAL .00 LOL 99.11 VL 25.464 GAL 27.66 AZL 89.15 HCA 330.12 SMA 114.81 ECC .52680 INC .8476 V1 30.286
 RP 107.86 LAP -.42 LOP 69.23 VP 36.125 GAP 31.62 AZP 89.26 TAL 145.88 TAP 116.00 RCA 54.33 APO 175.29 V2 35.135
 RC 223.756 GL 1.35 GP -4.11 ZAL 33.16 ZAP 166.42 ETS 200.52 ZAE 130.34 ETE 184.23 ZAC 149.56 ETC 161.86 CLP 167.04

Planetocentric Conic
 C3 200.283 VHL 14.152 DLA 22.64 RAL 63.83 RAD 6571.1 VEL 17.933 PTH 3.00 VHP 19.700 DPA 14.25 RAP 55.48 ECC 4.2962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 51 3530.17 -19.78 132.83 331.24 69.32 6 35 42 2930.2 -22.42 125.15
 90.00 0 23 26 4580.71 12.00 193.56 317.78 64.16 1 39 47 3980.7 8.43 186.70
 100.00 7 14 58 3213.81 -22.16 110.52 332.20 69.41 8 8 32 2613.8 -24.76 102.69
 100.00 1 28 0 4372.30 14.28 177.09 316.63 63.46 2 40 53 3772.3 10.61 170.23
 110.00 8 57 38 2892.65 -27.94 88.52 334.59 69.46 9 45 50 2292.6 -30.48 80.24
 110.00 2 1 50 4266.23 19.76 166.07 313.65 61.52 3 12 57 3666.2 15.80 159.18

Differential Corrections
 TDE 2.3680 TRA11.2648 TC3 -.1364 BAU .3654 SGT 5048.3 SGR 304.5 SG3 83.7 ST 1765.4 SR 272.2 SS 561.9
 RDE .6640 RRA .3245 RC3 .0048 FAU-.00598 RRT .6219 RRF .6139 RTF .9883 CRT .6681 CRS -.6321 CST -.9988
 FDE .4099 FRA 2.1686 FC3 .0259 BSP 17175 SGB 5057.5 R23 -.0026 R13 .9883 LSA 1861.4 MSA 203.9 SSA 7.2
 BDE 2.4593 BRA11.2695 BC3 .1365 FSP -281 SG1 5051.8 SG2 238.3 TMA 2.15 EL1 1774.9 EL2 201.5 ALF 5.96

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 218.00

ARRIVAL DATE AUG 6 1966

DISTANCE 598.307

Heliocentric Conic
 RL 147.10 LAL .00 LOL 99.11 VL 25.443 GAL 30.96 AZL 89.48 HCA 333.34 SMA 114.70 ECC .56863 INC .5181 V1 30.286
 RP 107.82 LAP -.23 LOP 72.45 VP 36.121 GAP 34.50 AZP 89.54 TAL 146.17 TAP 119.52 RCA 49.48 APO 179.92 V2 35.147
 RC 223.148 GL .72 GP -4.06 ZAL 32.86 ZAP 164.77 ETS 198.36 ZAE 129.41 ETE 184.10 ZAC 150.92 ETC 160.95 CLP 165.31

Planetocentric Conic
 C3 243.831 VHL 15.615 DLA 22.07 RAL 64.26 RAD 6571.4 VEL 19.109 PTH 3.08 VHP 21.417 DPA 14.71 RAP 56.94 ECC 5.0128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 10 3531.62 -19.75 132.93 333.67 69.28 6 45 2 2931.6 -22.39 125.25
 90.00 0 17 31 4636.64 13.64 196.85 319.83 64.94 1 34 48 4036.6 10.15 189.91
 100.00 7 23 16 3218.53 -22.05 110.82 334.61 69.29 8 16 54 2618.5 -24.67 103.01
 100.00 1 23 6 4424.96 15.86 180.20 318.74 64.33 2 36 51 3823.0 12.28 173.24
 110.00 9 4 14 2902.67 -27.70 89.20 336.97 69.12 9 52 36 2302.7 -30.28 80.96
 110.00 1 58 38 4513.59 21.27 168.91 315.89 62.59 3 10 32 3713.6 17.43 161.89

Differential Corrections
 TDE 2.4618 TRA12.3877 TC3 -.0318 BAU .1057 SGT 4988.3 SGR 286.4 SG3 82.4 ST 1726.8 SR 253.3 SS 594.6
 RDE .6810 RRA .3499 RC3 .0064 FAU-.00964 RRT .6322 RRF .6255 RTF .9911 CRT .6559 CRS -.6252 CST -.9991
 FDE .4279 FRA 2.3602 FC3 .0342 BSP 17077 SGB 4996.5 R23 -.0031 R13 .9911 LSA 1833.5 MSA 192.4 SSA 6.6
 BDE 2.5542 BRA12.3927 BC3 .0324 FSP -277 SG1 4991.6 SG2 221.7 TMA 2.08 EL1 1734.7 EL2 190.3 ALF 5.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE DEC 31 1965

FLIGHT TIME 220.00

ARRIVAL DATE AUG 8 1966

DISTANCE 593.126

Heliocentric Conic
 RL 147.10 LAL .00 LOL 99.11 VL 25.428 GAL 34.81 AZL 89.90 HCA 336.57 SMA 114.63 ECC .61645 INC .1063 V1 30.286
 RP 107.79 LAP -.04 LOP 75.68 VP 36.121 GAP 37.93 AZP 89.90 TAL 146.98 TAP 123.55 RCA 43.96 APO 185.29 V2 35.158
 RC 228.511 GL .13 GP -4.01 ZAL 32.90 ZAP 162.85 ETS 196.39 ZAE 128.23 ETE 183.94 ZAC 152.04 ETC 160.09 CLP 163.32

Planetocentric Conic
 C3 300.061 VHL 17.322 DLA 21.47 RAL 64.31 RAD 6571.7 VEL 20.527 PTH 3.17 VHP 23.439 DPA 15.09 RAP 58.16 ECC 5.9382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 2 3530.64 -19.77 132.86 335.58 69.31 6 52 53 2930.6 -22.41 125.18
 90.00 0 10 6 4690.86 15.18 200.09 321.43 65.80 1 28 16 4090.9 11.78 193.05
 100.00 7 30 11 3220.63 -22.00 110.96 336.48 69.23 8 23 52 2620.6 -24.63 103.15
 100.00 1 16 38 4476.09 17.34 183.27 320.40 65.27 2 31 14 3876.1 13.87 176.21
 110.00 9 9 29 2909.95 -27.52 89.69 338.81 68.88 9 57 59 2310.0 -30.14 81.47
 110.00 1 53 49 4359.54 22.68 171.73 317.69 63.72 3 6 29 3759.5 18.97 164.56

Differential Corrections
 TDE 2.5940 TRA13.6202 TC3 .0581 BAU .2351 SGT 4920.7 SGR 267.0 SG3 81.2 ST 1686.9 SR 234.4 SS 634.7
 RDE .6985 RRA .3695 RC3 .0076 FAU-.01445 RRT .6387 RRF .6329 RTF .9935 CRT .6462 CRS -.6201 CST -.9994
 FDE .4542 FRA 2.5793 FC3 .0417 BSP 16926 SGB 4927.9 R23 -.0036 R13 .9935 LSA 1808.5 MSA 180.0 SSA 6.1
 BDE 2.6864 BRA13.6253 BC3 .0586 FSP -274 SG1 4923.6 SG2 205.3 TMA 1.99 EL1 1693.7 EL2 178.1 ALF 5.19

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 12 1966

DISTANCE 212.620

Heliocentric Conic
 RL 147.10 LAL .00 LOL 100.13 VL 29.986 GAL -15.38 AZL 87.09 HCA 98.21 SMA 146.60 ECC .26530 INC 2.9099 V1 30.287
 RP 107.92 LAP 2.88 LOP 198.36 VP 39.423 GAP -1.65 AZP 90.42 TAL 253.91 TAP 352.13 RCA 107.71 APO 185.50 V2 35.114
 RC 72.741 GL 10.32 GP 11.94 ZAL 165.60 ZAP 72.85 ETS 354.03 ZAE 174.69 ETE 107.34 ZAC 39.42 ETC 169.81 CLP -72.46

Planetocentric Conic
 C3 67.119 VHL 8.193 DLA -11.71 RAL 290.32 RAD 6569.3 VEL 13.729 PTH 2.51 VHP 4.590 DPA -9.64 RAP 306.30 ECC 2.1046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 53 2142.39 -17.75 36.96 169.40 112.43 2 8 35 1542.4 -14.56 29.74
 90.00 10 30 27 5530.49 28.31 257.10 178.45 90.35 12 2 38 4930.5 28.06 248.44
 100.00 2 48 17 1899.11 -19.21 18.43 168.75 113.36 3 19 56 1299.1 -15.88 11.21
 100.00 11 57 44 5249.01 29.89 236.39 178.45 89.63 13 25 13 4649.0 29.52 227.61
 110.00 3 43 6 1727.43 -23.04 3.52 166.86 115.98 4 11 54 1127.4 -19.36 356.31
 110.00 13 19 24 4993.46 34.11 216.87 178.33 87.63 14 42 37 4393.5 33.41 207.70

Differential Corrections
 TDE -.0626 TRA -.8147 TC3 -.0761 BAU .0899 SGT 596.7 SGR 418.9 SG3 223.1 ST 180.0 SR 380.7 SS 153.2
 RDE -.5407 RRA .2032 RC3 .0632 FAU .10926 RRT -.3248 RRF -.4388 RTF .6139 CRT .1306 CRS .5241 CST -.7615
 FDE .2341 FRA -1.6005 FC3 -1.4093 BSP 1110 SGB 729.0 R23 .1065 R13 -.6554 LSA 390.2 MSA 219.4 SSA 19.0
 BDE .5443 BRA .8396 BC3 .1002 FSP -663 SG1 622.2 SG2 379.9 TMA 159.02 EL1 381.6 EL2 178.0 ALF 85.48

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 219.091

RL 147.10 LAL .00 LOL 100.13 VL 29.951 GAL -15.21 AZL 87.17 HCA 101.43 SMA 146.26 ECC .26244 INC 2.8308 V1 30.287
 RP 107.96 LAP 2.77 LOP 201.58 VP 39.385 GAP -1.04 AZP 90.56 TAL 253.58 TAP 355.01 RCA 107.88 APO 184.65 V2 35.101
 RC 74.954 GL 10.16 GP 12.37 ZAL 165.59 ZAP 77.92 ETS 354.98 ZAE 172.37 ETE 130.16 ZAC 37.48 ETC 170.35 CLP -77.63

PLANETOCENTRIC CONIC

C3 65.508 VHL 8.094 DLA -11.84 RAL 290.52 RAD 6569.2 VEL 13.670 PTH 2.50 VHP 4.472 OPA -9.59 RAP 304.32 ECC 2.0781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 50 2132.01 -17.48 36.32 169.20 112.64 2 10 22 1532.0 -14.26 29.12
 90.00 10 30 7 5529.26 28.32 257.01 178.27 90.31 12 2 16 4929.3 28.06 248.35
 100.00 2 50 9 1888.99 -18.93 17.80 168.55 113.58 3 21 38 1289.0 -15.58 10.61
 100.00 11 57 29 5247.51 29.89 236.28 178.27 89.57 13 24 56 4647.5 29.51 227.50
 110.00 3 44 48 1717.87 -22.76 2.92 166.65 116.22 4 13 26 1117.9 -19.05 355.75
 110.00 13 19 20 4991.39 34.10 216.71 178.14 87.53 14 42 31 4391.4 33.39 207.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0529 TRA -.8788 TC3 -.1190 BAU .1238
 ROE -.9309 RRA .2116 RC3 .0763 FAU .11425
 FDE .2312 FRA -1.6562 FC3 -1.5099 BSP 1384
 BDE .9335 BRA .9039 BC3 .1413 FSP -710

SGT 665.2 SGR 424.1 SG3 235.6
 RRT -.3792 RRF -.4726 RTF .6759
 SGB 789.0 R23 .1013 R13 -.7080
 SGI 693.3 SG2 376.6 THA 160.41

ST 194.4 SR 378.6 SS 155.2
 CRT .0721 CRS .5147 CST -.8045
 LSA 388.0 MSA 233.0 S5A 19.1
 EL1 379.0 EL2 193.7 ALF 87.13

LAUNCH DATE JAN 1 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 225.514

RL 147.10 LAL .00 LOL 100.13 VL 29.908 GAL -15.04 AZL 87.25 HCA 104.65 SMA 145.85 ECC .25964 INC 2.7499 V1 30.287
 RP 108.00 LAP 2.66 LOP 204.80 VP 39.341 GAP -.46 AZP 90.70 TAL 253.14 TAP 357.79 RCA 107.98 APO 183.72 V2 35.089
 RC 77.191 GL 9.98 GP 12.78 ZAL 165.54 ZAP 82.91 ETS 355.97 ZAE 169.46 ETE 141.69 ZAC 35.60 ETC 170.92 CLP -82.73

PLANETOCENTRIC CONIC

C3 63.923 VHL 7.995 DLA -11.99 RAL 290.79 RAD 6569.2 VEL 13.612 PTH 2.49 VHP 4.383 OPA -9.52 RAP 302.41 ECC 2.0520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 4 2121.37 -17.20 35.67 169.06 112.84 2 12 25 1521.4 -13.96 28.49
 90.00 10 29 59 5528.13 28.32 256.93 178.15 90.27 12 2 7 4928.1 28.05 248.27
 100.00 2 52 18 1878.63 -18.65 17.16 168.41 113.79 3 23 37 1278.6 -15.27 10.00
 100.00 11 57 26 5246.10 29.89 236.18 178.15 89.52 13 24 52 4646.1 29.50 227.40
 110.00 3 46 45 1708.11 -22.46 2.32 166.50 116.47 4 15 13 1108.1 -18.72 355.18
 110.00 13 19 28 4989.39 34.10 216.55 178.02 87.44 14 42 38 4389.4 33.37 207.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0444 TRA -.9471 TC3 -.1664 BAU .1605
 ROE -.5198 RRA .2187 RC3 .0872 FAU .11794
 FDE .2281 FRA -1.6872 FC3 -1.5973 BSP 1687
 BDE .5215 BRA .9720 BC3 .1878 FSP -743

SGT 743.7 SGR 428.7 SG3 245.6
 RRT -.4279 RRF -.5048 RTF .7247
 SGB 858.4 R23 .0993 R13 -.7495
 SGI 773.4 SG2 372.6 THA 161.77

ST 210.7 SR 375.5 SS 156.2
 CRT .0230 CRS .5103 CST -.8352
 LSA 385.3 MSA 246.9 S5A 19.2
 EL1 375.5 EL2 210.6 ALF 88.92

LAUNCH DATE JAN 1 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 231.889

RL 147.10 LAL .00 LOL 100.13 VL 29.860 GAL -14.87 AZL 87.33 HCA 107.86 SMA 145.39 ECC .25689 INC 2.6666 V1 30.287
 RP 108.04 LAP 2.54 LOP 208.01 VP 39.293 GAP .09 AZP 90.82 TAL 252.59 TAP .46 RCA 108.04 APO 182.74 V2 35.076
 RC 79.446 GL 9.79 GP 13.16 ZAL 165.46 ZAP 87.78 ETS 356.99 ZAE 166.38 ETE 148.20 ZAC 33.84 ETC 171.52 CLP -87.72

PLANETOCENTRIC CONIC

C3 62.357 VHL 7.897 DLA -12.13 RAL 291.11 RAD 6569.2 VEL 13.554 PTH 2.48 VHP 4.323 OPA -9.43 RAP 300.62 ECC 2.0262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 35 2110.41 -16.91 34.99 168.97 113.06 2 14 46 1510.4 -13.65 27.84
 90.00 10 30 1 5527.12 28.32 256.85 178.08 90.23 12 2 8 4927.1 28.05 248.20
 100.00 2 54 44 1867.96 -18.35 16.51 168.32 114.02 3 25 52 1268.0 -14.95 9.36
 100.00 11 57 33 5244.80 29.89 236.08 178.08 89.47 13 24 58 4644.8 29.49 227.30
 110.00 3 48 59 1698.05 -22.15 1.70 166.40 116.72 4 17 17 1098.1 -18.39 354.59
 110.00 13 19 47 4987.47 34.09 216.40 177.94 87.35 14 42 55 4387.5 33.35 207.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0371 TRA -1.0179 TC3 -.2173 BAU .1987
 ROE -.5066 RRA .2248 RC3 .0981 FAU .12048
 FDE .2198 FRA -1.6991 FC3 -1.6727 BSP 2008
 BDE .5079 BRA 1.0424 BC3 .2384 FSP -771

SGT 830.2 SGR 432.3 SG3 253.3
 RRT -.4717 RRF -.5351 RTF .7622
 SGB 936.0 R23 .0988 R13 -.7815
 SGI 860.8 SG2 367.7 THA 163.01

ST 228.5 SR 371.0 SS 156.2
 CRT -.0178 CRS .5023 CST -.8612
 LSA 381.5 MSA 261.3 S5A 19.3
 EL1 371.0 EL2 228.4 ALF 91.01

LAUNCH DATE JAN 1 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 238.221

RL 147.10 LAL .00 LOL 100.13 VL 29.805 GAL -14.70 AZL 87.42 HCA 111.08 SMA 144.88 ECC .25418 INC 2.5804 V1 30.287
 RP 108.08 LAP 2.41 LOP 211.23 VP 39.240 GAP .61 AZP 90.93 TAL 251.95 TAP 3.03 RCA 108.05 APO 181.70 V2 35.063
 RC 81.719 GL 9.58 GP 13.53 ZAL 165.34 ZAP 92.49 ETS 358.04 ZAE 163.29 ETE 152.31 ZAC 32.23 ETC 172.14 CLP -92.56

PLANETOCENTRIC CONIC

C3 60.802 VHL 7.798 DLA -12.29 RAL 291.48 RAD 6569.1 VEL 13.497 PTH 2.47 VHP 4.286 OPA -9.32 RAP 298.97 ECC 2.0007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 24 2099.00 -16.61 34.29 168.93 113.27 2 17 23 1499.0 -13.32 27.16
 90.00 10 30 11 5526.28 28.32 256.79 178.06 90.20 12 2 17 4926.3 28.04 248.14
 100.00 2 57 27 1856.87 -18.04 15.83 168.27 114.24 3 28 23 1256.9 -14.62 8.71
 100.00 11 57 49 5243.65 29.89 236.00 178.05 89.42 13 25 12 4643.6 29.49 227.21
 110.00 3 51 29 1687.63 -21.83 1.06 166.34 116.98 4 19 37 1087.6 -18.04 353.98
 110.00 13 20 16 4985.66 34.09 216.26 177.91 87.27 14 43 21 4385.7 33.33 207.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0313 TRA -1.0903 TC3 -.2714 BAU .2378
 ROE -.4914 RRA .2299 RC3 .1091 FAU .12210
 FDE .2025 FRA -1.6959 FC3 -1.7385 BSP 2347
 BDE .4924 BRA 1.1143 BC3 .2925 FSP -803

SGT 923.0 SGR 435.0 SG3 259.2
 RRT -.5117 RRF -.5637 RTF .7908
 SGB 1020.4 R23 .0991 R13 -.8061
 SGI 954.2 SG2 361.5 THA 164.10

ST 247.4 SR 364.9 SS 155.0
 CRT -.0500 CRS .4846 CST -.8859
 LSA 376.4 MSA 276.2 S5A 19.4
 EL1 365.2 EL2 246.8 ALF 97.57

LAUNCH DATE JAN 1 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 244.509

RL 147.10 LAL .00 LOL 100.13 VL 29.746 GAL -14.53 AZL 87.51 HCA 114.29 SMA 144.32 ECC .25152 INC 2.4904 V1 30.287
 RP 108.12 LAP 2.27 LOP 214.44 VP 39.183 GAP 1.11 A7P 91.02 TAL 251.22 TAP 5.51 RCA 108.02 APO 180.62 V2 35.050
 RC 84.008 GL 9.35 GP 13.88 ZAL 165.19 ZAP 97.00 ETS 359.12 ZAE 160.28 ETE 155.10 ZAC 30.81 ETC 172.80 CLP -97.21

PLANETOCENTRIC CONIC

C3 59.252 VHL 7.698 DLA -12.46 RAL 291.90 RAD 6569.1 VEL 13.439 PTH 2.46 VHP 4.272 DPA -9.18 RAP 297.52 ECC 1.9751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 30 2087.05 -16.28 33.57 168.93 113.49 2 20.17 1487.0 -12.97 26.46
 90.00 10 30 27 5525.66 28.32 256.74 178.08 90.18 12 2 32 4925.7 28.04 248.09
 100.00 3 0 27 1845.25 -17.72 15.12 168.27 114.48 3 31 12 1245.3 -14.27 8.03
 100.00 11 58 11 5242.69 29.89 235.93 178.07 89.36 13 25 34 4642.7 29.48 227.14
 110.00 3 54 16 1676.72 -21.50 .39 166.32 117.24 4 22 12 1076.7 -17.67 353.35
 110.00 13 20 52 4983.98 34.08 216.13 177.92 87.19 14 43 56 4384.0 33.32 206.97

DIFFERENTIAL CORRECTIONS

TDE -.0277 TRA-1.1635 TC3 -.3284 BAU .2769
 RDE -.4752 RRA .2332 RC3 .1197 FAU .12226
 FDE .1891 FRA-1.6671 FC3-1.7063 BSP 2694
 BDE .4761 BRA 1.1867 BC3 .3495 FSP -812

MID-COURSE EXECUTION ACCURACY

SGT 1021.1 SGR 436.7 SCS 262.0
 RRT -.5461 RRF -.5908 RTF .8120
 SGB 1110.5 R23 .1028 R13 -.8244
 SGI 1052.3 SGT 355.0 TMA 165.12

ORBIT DETERMINATION ACCURACY

ST 267.3 SR 357.8 SS 153.0
 CRT -.0728 CRS .4757 CST -.9002
 LSA 371.7 MSA 290.4 SSA 19.4
 EL1 359.0 EL2 265.7 ALF 96.92

LAUNCH DATE JAN 1 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 250.756

RL 147.10 LAL .00 LOL 100.13 VL 29.683 GAL -14.35 AZL 87.60 HCA 117.49 SMA 143.73 ECC .24889 INC 2.3959 V1 30.287
 RP 108.16 LAP 2.13 LOP 217.64 VP 39.123 GAP 1.57 A7P 91.11 TAL 250.41 TAP 7.91 RCA 107.96 APO 179.50 V2 35.036
 RC 86.309 GL 9.11 GP 14.23 ZAL 165.00 ZAP 101.29 ETS .23 ZAE 157.39 ETE 157.09 ZAC 29.59 ETC 173.50 CLP-101.65

PLANETOCENTRIC CONIC

C3 57.703 VHL 7.596 DLA -12.64 RAL 292.38 RAD 6569.1 VEL 13.381 PTH 2.45 VHP 4.276 DPA -9.00 RAP 296.27 ECC 1.9496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 56 2074.40 -15.94 32.80 168.97 113.72 2 23 31 1474.4 -12.60 25.71
 90.00 10 30 47 5525.36 28.32 256.72 178.14 90.17 12 2 52 4925.4 28.04 248.07
 100.00 3 3 46 1832.97 -17.37 14.37 168.30 114.72 3 34 19 1233.0 -13.89 7.31
 100.00 11 58 38 5242.02 29.89 235.88 178.13 89.36 13 26 0 4642.0 29.48 227.09
 110.00 3 57 20 1665.22 -21.14 359.69 166.35 117.51 4 25 5 1065.2 -17.28 352.68
 110.00 13 21 34 4982.54 34.08 216.02 177.98 87.13 14 44 36 4382.5 33.30 206.86

DIFFERENTIAL CORRECTIONS

TDE -.0267 TRA-1.2365 TC3 -.3879 BAU .3157
 RDE -.4572 RRA .2354 RC3 .1304 FAU .12158
 FDE .1690 FRA-1.6262 FC3-1.8242 BSP 3056
 BDE .4580 BRA 1.2587 BC3 .4092 FSP -822

MID-COURSE EXECUTION ACCURACY

SGT 1123.0 SGR 437.3 SCS 263.2
 RRT -.5776 RRF -.6168 RTF .8279
 SGB 1205.2 R23 .1075 R13 -.8383
 SGI 1154.0 SGT 347.4 TMA 166.03

ORBIT DETERMINATION ACCURACY

ST 288.0 SR 349.2 SS 150.2
 CRT -.0876 CRS .4579 CST -.9139
 LSA 367.3 MSA 303.6 SSA 19.5
 EL1 351.9 EL2 284.7 ALF 102.16

LAUNCH DATE JAN 1 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 256.965

RL 147.10 LAL .00 LOL 100.13 VL 29.615 GAL -14.17 AZL 87.70 HCA 120.70 SMA 143.11 ECC .24630 INC 2.2957 V1 30.287
 RP 108.20 LAP 1.97 LOP 220.85 VP 39.060 GAP 2.02 A7P 91.17 TAL 249.53 TAP 10.23 RCA 107.86 APO 178.36 V2 35.023
 RC 88.623 GL 8.83 GP 14.60 ZAL 164.78 ZAP 105.34 ETS 1.38 ZAE 154.66 ETE 158.52 ZAC 28.59 ETC 174.23 CLP-105.87

PLANETOCENTRIC CONIC

C3 56.153 VHL 7.494 DLA -12.84 RAL 292.90 RAD 6569.0 VEL 13.323 PTH 2.43 VHP 4.296 DPA -8.77 RAP 295.24 ECC 1.9241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 43 2060.90 -15.57 31.98 169.05 113.96 2 27 4 1460.9 -12.20 24.92
 90.00 10 31 9 5525.50 28.32 256.73 178.24 90.17 12 3 14 4925.5 28.04 248.08
 100.00 3 7 26 1819.88 -17.00 13.58 168.37 114.97 3 37 45 1219.9 -13.49 6.55
 100.00 11 59 8 5241.75 29.89 235.86 178.23 89.35 13 26 29 4641.7 29.48 227.07
 110.00 4 0 43 1653.00 -20.75 358.96 166.41 117.80 4 28 16 1053.0 -16.87 351.98
 110.00 13 22 20 4981.40 34.07 215.93 178.08 87.07 14 45 21 4381.4 33.29 206.78

DIFFERENTIAL CORRECTIONS

TDE -.0284 TRA-1.3083 TC3 -.4496 BAU .3538
 RDE -.4376 RRA .2364 RC3 .1411 FAU .12006
 FDE .1462 FRA-1.5726 FC3-1.8509 BSP 3423
 BDE .4385 BRA 1.3295 BC3 .4712 FSP -825

MID-COURSE EXECUTION ACCURACY

SGT 1227.7 SGR 437.1 SCS 262.5
 RRT -.6064 RRF -.6421 RTF .8398
 SGB 1303.2 R23 .1139 R13 -.8487
 SGI 1258.3 SGT 339.1 TMA 166.85

ORBIT DETERMINATION ACCURACY

ST 309.2 SR 339.2 SS 146.7
 CRT -.0950 CRS .4362 CST -.9254
 LSA 365.8 MSA 313.1 SSA 19.5
 EL1 345.4 EL2 302.4 ALF 112.85

LAUNCH DATE JAN 1 1966

FLIGHT TIME 86.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 263.137

RL 147.10 LAL .00 LOL 100.13 VL 29.545 GAL -13.99 AZL 87.81 HCA 123.90 SMA 142.47 ECC .24375 INC 2.1887 V1 30.287
 RP 108.24 LAP 1.82 LOP 224.05 VP 38.995 GAP 2.44 A7P 91.22 TAL 248.58 TAP 12.48 RCA 107.74 APO 177.20 V2 35.010
 RC 90.946 GL 8.52 GP 14.98 ZAL 164.53 ZAP 109.14 ETS 2.58 ZAE 152.09 ETE 159.57 ZAC 27.82 ETC 175.07 CLP-109.85

PLANETOCENTRIC CONIC

C3 54.601 VHL 7.389 DLA -13.06 RAL 293.46 RAD 6569.0 VEL 13.265 PTH 2.42 VHP 4.330 DPA -8.48 RAP 294.44 ECC 1.8986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 55 2046.33 -15.16 31.10 169.16 114.20 2 31 1 1446.3 -11.77 24.07
 90.00 10 31 29 5526.25 28.32 256.79 178.38 90.20 12 3 35 4926.2 28.04 248.13
 100.00 3 11 28 1805.79 -16.59 12.73 168.48 115.23 3 41 34 1205.8 -13.05 5.73
 100.00 11 59 36 5242.03 29.89 235.88 178.37 89.36 13 26 58 4642.0 29.48 227.10
 110.00 4 4 27 1639.88 -20.33 358.17 166.50 118.09 4 31 46 1039.9 -16.42 351.23
 110.00 13 23 7 4980.71 34.07 215.88 178.22 87.04 14 46 8 4380.7 33.29 206.72

DIFFERENTIAL CORRECTIONS

TDE -.0334 TRA-1.3784 TC3 -.5135 BAU .3909
 RDE -.4166 RRA .2362 RC3 .1520 FAU .11782
 FDE .1212 FRA-1.5090 FC3-1.8681 BSP 3797
 BDE .4179 BRA 1.3985 BC3 .5355 FSP -824

MID-COURSE EXECUTION ACCURACY

SGT 1334.3 SGR 436.1 SCS 260.3
 RRT -.6332 RRF -.6672 RTF .8486
 SGB 1403.8 R23 .1224 R13 -.8563
 SGI 1364.4 SGT 330.1 TMA 167.57

ORBIT DETERMINATION ACCURACY

ST 331.0 SR 328.0 SS 142.7
 CRT -.0955 CRS .4095 CST -.9351
 LSA 371.0 MSA 315.4 SSA 19.6
 EL1 344.9 EL2 313.3 ALF 137.69

LAUNCH DATE JAN 1 1966

FLIGHT TIME 88.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.471 GAL -13.80 AZL 87.93 MCA 127.10 SMA 141.81 ECC .24124 INC 2.0734 V1 30.287
 RP 108.29 LAP 1.65 LOP 227.25 VP 38.927 GAP 2.83 AZP 91.25 TAL 247.56 TAP 14.66 RCA 107.60 APO 176.02 V2 34.996
 RC 93.279 GL 8.17 GP 15.40 ZAL 164.25 ZAP 112.70 ETS 3.84 ZAE 149.69 ETE 160.30 ZAC 27.28 ETC 175.97 CLP -113.59

PLANETOCENTRIC CONIC
 C3 53.045 VHL 7.283 DLA -13.32 RAL 294.08 RAD 6568.9 VEL 13.206 PTH 2.41 VHP 4.377 DPA -8.12 RAP 293.86 ECC 1.8730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 34 2030.46 -14.72 30.15 169.31 114.47 2 35 24 1430.5 -11.29 23.14
 90.00 10 31 44 3527.82 28.32 256.90 178.56 90.26 12 3 51 4927.8 28.05 248.25
 100.00 3 15 57 1790.45 -16.14 11.81 168.62 115.51 3 45 48 1190.5 -12.58 4.84
 100.00 12 0 1 5243.07 29.89 235.95 178.56 89.40 13 27 24 4643.1 29.48 227.17
 110.00 4 8 34 1625.66 -19.87 357.32 166.62 118.40 4 35 40 1025.7 -15.92 350.42
 110.00 13 23 54 4980.62 34.07 215.87 178.40 87.04 14 46 54 4380.6 33.28 206.72

DIFFERENTIAL CORRECTIONS
 TOE -.0412 TRA-1.4453 TC3 -.5792 BAU .4267 SGT 1441.5 SGR 434.5 SCS 256.3 ST 352.9 SR 315.8 SS 138.2
 RDE -.3947 RRA .2345 RC3 .1630 FAU .11482 RRT -.6575 RRF -.6921 RTF .8545 CRT -.0901 CRS .3856 CST -.9411
 FDE .0989 FRA-1.4331 FC3-1.8739 BSP 4158 SGB 1505.6 R23 .1339 R13 -.8615 LSA 383.2 MSA 310.1 S5A 19.6
 BDE .3969 BRA 1.4642 BC3 .6017 FSP -808 SG1 1471.0 SGT 320.8 THA 168.22 EL1 357.9 EL2 310.1 ALF 160.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.395 GAL -13.60 AZL 88.05 MCA 130.30 SMA 141.14 ECC .23877 INC 1.9480 V1 30.287
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.858 GAP 3.21 AZP 91.26 TAL 246.49 TAP 16.79 RCA 107.44 APO 174.84 V2 34.983
 RC 95.621 GL 7.78 GP 15.88 ZAL 163.93 ZAP 116.00 ETS 5.18 ZAE 147.45 ETE 160.77 ZAC 26.97 ETC 176.96 CLP -117.11

PLANETOCENTRIC CONIC
 C3 51.485 VHL 7.175 DLA -13.61 RAL 294.74 RAD 6568.9 VEL 13.147 PTH 2.40 VHP 4.433 DPA -7.68 RAP 293.50 ECC 1.8473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 45 2012.97 -14.22 29.10 169.49 114.75 2 40 18 1413.0 -10.77 22.13
 90.00 10 31 49 3530.50 28.31 257.10 178.79 90.36 12 3 59 4930.5 28.06 248.44
 100.00 3 20 57 1773.58 -15.64 10.81 168.79 115.80 3 50 30 1173.6 -12.05 3.87
 100.00 12 0 18 5245.13 29.89 236.11 178.79 89.48 13 27 43 4645.1 29.50 227.32
 110.00 4 13 8 1610.14 -19.37 356.40 166.78 118.73 4 39 59 1010.1 -15.38 349.54
 110.00 13 24 36 4981.37 34.07 215.93 178.64 87.07 14 47 37 4381.4 33.29 206.77

DIFFERENTIAL CORRECTIONS
 TOE -.0534 TRA-1.5094 TC3 -.6474 BAU .4616 SGT 1550.1 SGR 432.7 SCS 251.8 ST 375.5 SR 302.0 SS 133.5
 RDE -.3712 RRA .2322 RC3 .1749 FAU .11159 RRT -.6815 RRF -.7177 RTF .8590 CRT -.0782 CRS .3457 CST -.9494
 FDE .0703 FRA-1.3562 FC3-1.8764 BSP 4534 SGB 1609.4 R23 .1470 R13 -.8654 LSA 399.6 MSA 299.9 S5A 19.7
 BDE .3750 BRA 1.5271 BC3 .6707 FSP -799 SG1 1579.1 SGT 310.9 THA 168.79 EL1 377.5 EL2 299.4 ALF 170.20

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.317 GAL -13.41 AZL 88.19 MCA 133.49 SMA 140.45 ECC .23636 INC 1.8103 V1 30.287
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.788 GAP 3.57 AZP 91.25 TAL 245.36 TAP 18.85 RCA 107.25 APO 173.65 V2 34.970
 RC 97.969 GL 7.33 GP 16.43 ZAL 163.58 ZAP 119.05 ETS 6.62 ZAE 145.37 ETE 161.03 ZAC 26.87 ETC 178.06 CLP -120.41

PLANETOCENTRIC CONIC
 C3 49.923 VHL 7.066 DLA -13.95 RAL 295.45 RAD 6568.8 VEL 13.088 PTH 2.39 VHP 4.499 DPA -7.15 RAP 293.33 ECC 1.8216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 35 1993.45 -13.66 27.94 169.71 115.05 2 45 49 1393.5 -10.17 21.00
 90.00 10 31 39 3534.68 28.31 257.41 179.07 90.51 12 3 53 4934.7 28.08 248.75
 100.00 3 26 33 1754.81 -15.08 9.70 169.01 116.12 3 55 48 1154.8 -11.45 2.79
 100.00 12 0 22 5248.56 29.89 236.36 179.08 89.61 13 27 51 4648.6 29.52 227.58
 110.00 4 18 15 1592.88 -18.80 355.38 166.98 119.09 4 44 48 992.9 -14.78 348.57
 110.00 13 25 9 4983.25 34.08 216.08 178.94 87.16 14 48 13 4383.3 33.31 206.92

DIFFERENTIAL CORRECTIONS
 TOE -.0699 TRA-1.5696 TC3 -.7182 BAU .4954 SGT 1659.2 SGR 431.0 SCS 246.6 ST 398.7 SR 286.8 SS 128.7
 RDE -.3464 RRA .2288 RC3 .1877 FAU .10805 RRT -.7046 RRF -.7437 RTF .8621 CRT -.0602 CRS .2949 CST -.9578
 FDE .0396 FRA-1.2754 FC3-1.8738 BSP 4910 SGB 1714.3 R23 .1629 R13 -.8681 LSA 418.7 MSA 286.5 S5A 19.8
 BDE .3534 BRA 1.5861 BC3 .7423 FSP -786 SG1 1687.7 SGT 300.7 THA 169.28 EL1 399.4 EL2 285.7 ALF 174.91

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.238 GAL -13.20 AZL 88.34 MCA 136.68 SMA 139.76 ECC .23401 INC 1.6574 V1 30.287
 RP 108.41 LAP 1.14 LOP 236.83 VP 38.716 GAP 3.91 AZP 91.21 TAL 244.18 TAP 20.87 RCA 107.06 APO 172.47 V2 34.957
 RC 100.323 GL 6.80 GP 17.07 ZAL 163.20 ZAP 121.85 ETS 8.19 ZAE 143.43 ETE 161.07 ZAC 26.99 ETC 179.29 CLP -123.50

PLANETOCENTRIC CONIC
 C3 48.359 VHL 6.954 DLA -14.35 RAL 296.21 RAD 6568.8 VEL 13.028 PTH 2.38 VHP 4.573 DPA -6.50 RAP 293.36 ECC 1.7959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 14 1971.37 -13.02 26.64 169.98 115.37 2 52 5 1371.4 -9.50 19.73
 90.00 10 31 6 3540.87 28.31 257.86 179.41 90.74 12 3 27 4940.9 28.11 249.20
 100.00 3 32 55 1733.63 -14.45 8.45 169.26 116.46 4 1 48 1133.6 -10.78 1.58
 100.00 12 0 6 5253.84 29.89 236.75 179.42 89.82 13 27 40 4653.8 29.55 227.97
 110.00 4 24 1 1573.57 -18.16 354.25 167.21 119.47 4 50 14 973.6 -14.09 347.50
 110.00 13 25 29 4986.66 34.09 216.34 179.30 87.32 14 48 36 4386.7 33.34 207.18

DIFFERENTIAL CORRECTIONS
 TOE -.0907 TRA-1.6244 TC3 -.7911 BAU .5277 SGT 1767.7 SGR 429.5 SCS 240.4 ST 422.4 SR 270.6 SS 123.7
 RDE -.3208 RRA .2239 RC3 .2012 FAU .10411 RRT -.7261 RRF -.7701 RTF .8637 CRT -.0368 CRS .2393 CST -.9645
 FDE .0106 FRA-1.1882 FC3-1.8639 BSP 5268 SGB 1819.1 R23 .1826 R13 -.8694 LSA 439.4 MSA 271.1 S5A 19.9
 BDE .3534 BRA 1.6397 BC3 .8163 FSP -763 SG1 1795.7 SGT 290.7 THA 169.72 EL1 422.6 EL2 270.3 ALF 177.72

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.157 GAL -12.99 AZL 88.51 HCA 139.87 SMA 139.07 ECC .23171 INC 1.4853 V1 30.287
 RP 108.44 LAP .96 LOP 240.01 VP 38.643 GAP 4.24 AZP 91.14 TAL 242.96 TAP 22.83 RCA 106.85 APO 171.29 V2 34.945
 RC 102.682 GL 6.18 GP 17.84 ZAL 162.79 ZAP 124.40 ETS 9.92 ZAE 141.61 ETE 160.92 ZAC 27.30 ETC 180.66 CLP-126.40

PLANETOCENTRIC CONIC
 C3 46.795 VHL 6.841 DLA -14.84 RAL 297.03 RAD 6568.7 VEL 12.968 PTH 2.36 VHP 4.656 DPA -5.71 RAP 293.54 ECC 1.7701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 53 1946.00 -12.28 25.15 170.30 115.72 2 59 19 1346.0 -8.72 18.28
 90.00 10 30 0 5549.78 28.30 258.51 179.83 91.06 12 2 30 4949.8 28.15 249.85
 100.00 3 40 13 1709.39 -13.71 7.03 169.57 116.83 4 8 42 1109.4 -10.00 .20
 100.00 11 59 21 5261.63 29.89 237.33 179.85 90.13 13 27 2 4661.6 29.59 228.54
 110.00 4 30 34 1551.63 -17.42 352.98 167.50 119.89 4 56 26 951.6 -13.31 346.28
 110.00 13 25 28 4992.15 34.11 216.77 179.75 87.57 14 48 40 4392.1 33.39 207.60

DIFFERENTIAL CORRECTIONS
 TDE -.1179 TRA-1.6746 TC3 -.8677 BAU .5595 SGT 1877.3 SGR 429.0 SG3 234.2 ST 447.8 SR 252.6 SS 119.7
 RDE -.2937 RRA .2183 RC3 .2165 FAU .10018 RRT -.7473 RRF -.7973 RTF .8648 CRT -.0064 CRS .1572 CST -.9732
 FDE -.0250 FRA-1.1037 FC3-1.8534 BSP 5643 SGB 1925.7 R23 .2050 R13 -.8704 LSA 462.7 MSA 253.1 SSA 20.1
 BDE .3165 BRA 1.6887 BC3 .8943 FSP -746 SG1 1905.1 SG2 280.9 THA 170.09 EL1 447.8 EL2 252.6 ALF 179.70

LAUNCH DATE JAN 1 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 29.075 GAL -12.77 AZL 88.71 HCA 143.06 SMA 138.58 ECC .22947 INC 1.2890 V1 30.287
 RP 108.48 LAP .77 LOP 243.20 VP 38.570 GAP 4.55 AZP 91.03 TAL 241.69 TAP 24.75 RCA 106.62 APO 170.13 V2 34.932
 RC 105.043 GL 5.44 GP 18.75 ZAL 162.34 ZAP 126.69 ETS 11.85 ZAE 139.89 ETE 160.58 ZAC 27.81 ETC 182.20 CLP-129.13

PLANETOCENTRIC CONIC
 C3 45.236 VHL 6.726 DLA -15.43 RAL 297.92 RAD 6568.7 VEL 12.907 PTH 2.35 VHP 4.747 DPA -4.75 RAP 293.88 ECC 1.7445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 50 1916.36 -11.40 23.42 170.69 116.10 3 7 46 1316.4 -7.80 16.59
 90.00 10 28 6 5562.41 28.28 259.43 180.33 91.52 12 0 49 4962.4 28.19 250.77
 100.00 3 48 43 1681.16 -12.83 5.39 169.95 117.23 4 16 44 1081.2 -9.08 358.61
 100.00 11 57 54 5272.84 29.89 238.17 180.36 90.56 13 25 46 4672.8 29.65 229.37
 110.00 4 38 10 1526.30 -16.55 351.53 167.84 120.34 5 3 36 926.3 -12.40 344.88
 110.00 13 24 57 5000.47 34.13 217.42 180.30 87.95 14 48 17 4400.5 33.47 208.24

DIFFERENTIAL CORRECTIONS
 TDE -.1522 TRA-1.7184 TC3 -.9478 BAU .5903 SGT 1987.1 SGR 429.8 SG3 227.5 ST 475.2 SR 232.9 SS 116.9
 RDE -.2851 RRA .2115 RC3 .2336 FAU .09611 RRT -.7672 RRF -.8247 RTF .8653 CRT .0306 CRS .0530 CST -.9804
 FDE -.0840 FRA-1.0179 FC3-1.8393 BSP 6024 SGB 2035.0 R23 .2310 R13 -.8708 LSA 488.9 MSA 233.0 SSA 20.3
 BDE .3057 BRA 1.7314 BC3 .9762 FSP -728 SG1 2014.8 SG2 271.9 THA 170.40 EL1 475.3 EL2 232.8 ALF 1.13

LAUNCH DATE JAN 1 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 28.992 GAL -12.55 AZL 88.94 HCA 146.24 SMA 137.69 ECC .22730 INC 1.0615 V1 30.287
 RP 108.52 LAP .59 LOP 246.38 VP 38.497 GAP 4.84 AZP 90.88 TAL 240.38 TAP 26.62 RCA 106.39 APO 168.98 V2 34.920
 RC 107.406 GL 4.55 GP 19.86 ZAL 161.84 ZAP 128.72 ETS 14.04 ZAE 138.24 ETE 160.02 ZAC 28.51 ETC 183.95 CLP-131.69

PLANETOCENTRIC CONIC
 C3 43.685 VHL 6.609 DLA -16.16 RAL 298.88 RAD 6568.7 VEL 12.847 PTH 2.34 VHP 4.847 DPA -3.58 RAP 294.33 ECC 1.7189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 31 1881.01 -10.33 21.37 171.17 116.51 3 17 52 1281.0 -6.69 14.58
 90.00 10 25 4 5580.21 28.24 260.73 180.94 92.18 11 58 4 4980.2 28.24 252.07
 100.00 3 58 50 1647.86 -11.78 3.46 170.41 117.67 4 26 18 1047.7 -7.99 356.72
 100.00 11 55 26 5288.80 29.87 239.35 181.00 91.19 13 23 35 4688.8 29.72 230.55
 110.00 4 47 5 1496.52 -15.52 349.84 168.26 120.85 5 12 2 896.9 -11.31 343.26
 110.00 13 23 41 5012.70 34.15 218.37 180.99 88.52 14 47 13 4412.7 33.57 209.18

DIFFERENTIAL CORRECTIONS
 TDE -.1941 TRA-1.7539 TC3-1.0308 BAU .6198 SGT 2095.4 SGR 431.9 SG3 220.0 ST 505.5 SR 211.7 SS 115.7
 RDE -.2356 RRA .2027 RC3 .2524 FAU .09173 RRT -.7844 RRF -.8517 RTF .8649 CRT .0738 CRS -.0661 CST -.9833
 FDE -.1037 FRA -.9273 FC3-1.8178 BSP 6375 SGB 2139.4 R23 .2617 R13 -.8704 LSA 518.4 MSA 211.0 SSA 20.5
 BDE .3053 BRA 1.7656 BC3 1.0613 FSP -701 SG1 2123.0 SG2 264.4 THA 170.67 EL1 505.8 EL2 211.0 ALF 2.14

LAUNCH DATE JAN 1 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 28.908 GAL -12.32 AZL 89.21 HCA 149.42 SMA 137.00 ECC .22520 INC .7929 V1 30.287
 RP 108.56 LAP .40 LOP 249.56 VP 38.423 GAP 5.12 AZP 90.68 TAL 239.03 TAP 28.45 RCA 106.15 APO 167.85 V2 34.909
 RC 109.770 GL 3.45 GP 21.21 ZAL 161.28 ZAP 130.46 ETS 16.54 ZAE 136.62 ETE 159.23 ZAC 29.40 ETC 185.94 CLP-134.11

PLANETOCENTRIC CONIC
 C3 42.153 VHL 6.493 DLA -17.08 RAL 299.93 RAD 6568.6 VEL 12.787 PTH 2.33 VHP 4.960 DPA -2.15 RAP 294.87 ECC 1.6937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 36 1837.83 -9.01 18.88 171.79 116.96 3 30 14 1237.8 -5.32 12.15
 90.00 10 20 21 5605.40 28.16 262.57 181.71 93.09 11 53 47 5005.4 28.29 253.91
 100.00 4 11 9 1606.95 -10.48 1.13 171.01 118.15 4 37 56 1006.9 -6.64 354.45
 100.00 11 51 30 5311.50 29.83 241.04 181.79 92.07 13 20 1 4711.5 29.80 232.23
 110.00 4 57 49 1460.77 -14.26 347.83 168.79 121.40 5 22 10 860.8 -10.00 341.32
 110.00 13 21 19 5030.45 34.18 219.76 181.86 89.34 14 45 10 4430.5 33.71 210.55

DIFFERENTIAL CORRECTIONS
 TDE -.2485 TRA-1.7816 TC3-1.1191 BAU .6494 SGT 2205.7 SGR 436.8 SG3 212.5 ST 541.7 SR 187.7 SS 119.1
 RDE -.2036 RRA .1926 RC3 .2743 FAU .08738 RRT -.7999 RRF -.8784 RTF .8646 CRT .1241 CRS -.2136 CST -.9793
 FDE -.1532 FRA -.8392 FC3-1.7946 BSP 6760 SGB 2248.5 R23 .2950 R13 -.8703 LSA 554.7 MSA 186.3 SSA 20.9
 BDE .3213 BRA 1.7919 BC3 1.1523 FSP -680 SG1 2233.6 SG2 258.8 THA 170.88 EL1 542.3 EL2 186.1 ALF 2.79

LAUNCH DATE JAN 1 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 317.374

RL 147.10 LAL .00 LOL 100.13 VL 28.825 GAL -12.08 AZL 89.53 MCA 152.60 SMA 136.32 ECC .22318 INC .4685 V1 30.287
 RP 108.59 LAP .22 LOP 252.73 VP 38.350 GAP 5.38 ATP 90.42 TAL 237.64 TAP 30.25 RCA 105.90 APO 166.74 V2 34.897
 RC 112.133 GL 2.07 GP 22.88 ZAL 160.63 ZAP 131.86 ETS 19.44 ZAE 134.97 ETE 158.19 ZAC 30.49 ETC 188.23 CLP-136.41

PLANETOCENTRIC CONIC

C3 40.634 VHL 6.376 DLA -18.25 RAL 301.09 RAD 6568.6 VEL 12.729 PTH 2.31 VHP 5.089 DPA -.38 RAP 295.46 ECC 1.6691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 10 1703.44 -7.31 15.78 172.61 117.43 3 45 54 1183.4 -3.58 9.09
 90.00 10 13 5 5641.51 28.00 265.20 182.66 94.40 11 47 7 5041.5 28.32 256.55
 100.00 4 26 37 1556.10 -8.84 358.25 171.79 118.67 4 52 33 956.1 -4.94 331.63
 100.00 11 45 19 5344.09 29.72 243.46 182.80 93.34 13 14 23 4744.1 29.87 234.65
 110.00 5 11 6 1416.75 -12.69 345.39 169.50 122.01 5 34 43 816.8 -8.37 338.96
 110.00 13 17 20 5056.20 34.18 221.77 182.97 90.53 14 41 36 4456.2 33.87 212.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3176 TRA-1.7981 TC3-1.2114 BAU .6782 SGT 2315.7 SGR 444.8 SG3 204.3 ST 586.6 SR 160.6 SS 128.5
 RDE -.1690 RRA .1802 RC3 .2993 FAU .08280 RRT -.8121 RRF -.9035 RTF .8643 CRT .1772 CRS -.3621 CST -.9657
 FDE -.2099 FRA -.7493 FC3-1.7631 BSP 7140 SGB 2358.1 R23 .3307 R13 -.8701 LSA 600.4 MSA 159.5 SSA 21.5
 BDE .3597 BRA 1.8071 BC3 1.2478 FSP -.657 SG1 2344.1 SG2 256.4 THA 171.03 EL1 587.4 EL2 157.9 ALF 2.99

LAUNCH DATE JAN 1 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 323.286

RL 147.10 LAL .00 LOL 100.13 VL 28.741 GAL -11.84 AZL 89.93 MCA 155.78 SMA 135.65 ECC .22123 INC .0629 V1 30.287
 RP 108.63 LAP .03 LOP 255.91 VP 38.277 GAP 5.64 ATP 90.06 TAL 236.22 TAP 32.00 RCA 105.64 APO 165.66 V2 34.886
 RC 114.493 GL .30 GP 24.99 ZAL 159.84 ZAP 132.85 ETS 22.83 ZAE 133.23 ETE 156.84 ZAC 31.82 ETC 190.92 CLP-138.62

PLANETOCENTRIC CONIC

C3 39.217 VHL 6.262 DLA -19.80 RAL 302.41 RAD 6568.5 VEL 12.672 PTH 2.30 VHP 5.243 DPA 1.83 RAP 296.05 ECC 1.6454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 38 6 1712.07 -5.06 11.75 173.78 117.90 4 6 38 1112.1 -1.28 5.11
 90.00 10 1 41 5694.71 27.66 269.06 183.88 96.31 11 36 36 5094.7 28.25 260.44
 100.00 4 46 53 1490.09 -6.66 354.56 172.90 119.21 5 11 43 890.1 -2.72 347.99
 100.00 11 35 35 5391.92 29.48 246.99 184.09 95.19 13 5 27 4791.9 29.89 238.21
 110.00 5 28 8 1360.78 -10.65 342.34 170.49 122.68 5 50 49 760.8 -6.26 335.99
 110.00 13 10 49 5093.99 34.12 224.72 184.45 92.27 14 35 43 4494.0 34.06 215.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.4060 TRA-1.7993 TC3-1.3059 BAU .7058 SGT 2423.7 SGR 455.9 SG3 194.8 ST 644.9 SR 129.9 SS 145.3
 RDE -.1313 RRA .1640 RC3 .3272 FAU .07772 RRT -.8188 RRF -.9262 RTF .8634 CRT .2256 CRS -.4826 CST -.9474
 FDE -.2730 FRA -.6528 FC3-1.7157 BSP 7486 SGB 2466.2 R23 .3676 R13 -.8696 LSA 660.2 MSA 132.1 SSA 22.0
 BDE .4267 BRA 1.8067 BC3 1.3462 FSP -.624 SG1 2452.6 SG2 258.6 THA 171.14 EL1 645.6 EL2 126.4 ALF 2.70

LAUNCH DATE JAN 1 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 329.179

RL 147.10 LAL .00 LOL 100.13 VL 28.657 GAL -11.59 AZL 90.45 MCA 158.95 SMA 134.98 ECC .21937 INC .4463 V1 30.287
 RP 108.66 LAP -.16 LOP 259.08 VP 38.204 GAP 5.88 ATP 89.58 TAL 234.77 TAP 33.72 RCA 105.37 APO 164.59 V2 34.875
 RC 116.852 GL -2.04 GP 27.67 ZAL 158.80 ZAP 133.30 ETS 26.83 ZAE 131.29 ETE 155.14 ZAC 33.42 ETC 194.12 CLP-140.76

PLANETOCENTRIC CONIC

C3 37.899 VHL 6.156 DLA -21.88 RAL 303.95 RAD 6568.5 VEL 12.620 PTH 2.29 VHP 5.434 DPA 4.62 RAP 296.58 ECC 1.6237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 10 1612.36 -1.86 6.17 175.57 118.26 4 36 3 1012.4 1.93 359.54
 90.00 9 42 53 5777.15 26.91 274.97 185.43 99.18 11 19 10 5177.2 27.90 266.45
 100.00 5 15 5 1399.63 -3.63 349.56 174.59 119.69 5 38 24 799.6 .35 343.03
 100.00 11 19 39 5465.11 28.91 252.36 185.77 97.96 12 50 44 4865.1 29.71 243.64
 110.00 5 51 10 1286.53 -7.89 338.36 171.96 123.37 6 12 36 686.5 -3.45 332.09
 110.00 13 0 4 5150.97 33.87 229.15 186.42 94.88 14 25 55 4551.0 34.18 219.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5263 TRA-1.7829 TC3-1.4029 BAU .7338 SGT 2533.9 SGR 472.5 SG3 184.3 ST 728.3 SR 93.0 SS 175.2
 RDE -.0872 RRA .1439 RC3 .3594 FAU .07229 RRT -.8207 RRF -.9459 RTF .8635 CRT .2343 CRS -.5360 CST -.9327
 FDE -.3524 FRA -.5551 FC3-1.6512 BSP 7868 SGB 2577.6 R23 .4012 R13 -.8701 LSA 746.8 MSA 106.8 SSA 22.1
 BDE .5335 BRA 1.7887 BC3 1.4482 FSP -.593 SG1 2563.8 SG2 266.8 THA 171.20 EL1 728.6 EL2 90.3 ALF 1.74

LAUNCH DATE JAN 1 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 335.055

RL 147.10 LAL .00 LOL 100.13 VL 28.573 GAL -11.34 AZL 91.13 MCA 162.12 SMA 134.33 ECC .21758 INC 1.1338 V1 30.287
 RP 108.69 LAP -.35 LOP 262.25 VP 38.132 GAP 6.11 ATP 88.92 TAL 233.29 TAP 35.41 RCA 105.10 APO 163.55 V2 34.865
 RC 119.206 GL -5.24 GP 31.19 ZAL 157.29 ZAP 133.02 ETS 31.56 ZAE 128.95 ETE 153.04 ZAC 35.42 ETC 197.99 CLP-142.89

PLANETOCENTRIC CONIC

C3 36.826 VHL 6.068 DLA -24.76 RAL 305.83 RAD 6568.4 VEL 12.578 PTH 2.28 VHP 5.688 DPA 8.23 RAP 296.94 ECC 1.6061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 21 1454.79 3.22 357.38 178.70 118.15 5 23 35 854.8 6.96 350.70
 90.00 9 7 44 632.16 24.96 307.08 187.23 103.83 9 18 16 32.2 26.61 298.80
 100.00 5 58 41 1263.19 .99 342.06 177.46 119.88 6 19 45 663.2 4.96 335.52
 100.00 10 51 4 5587.03 27.44 261.12 187.87 102.34 12 24 11 4987.0 28.87 252.60
 110.00 6 24 44 1181.51 -3.92 332.82 174.40 123.98 6 44 25 581.5 .57 326.61
 110.00 12 41 31 5241.47 33.13 236.11 189.11 98.94 14 8 52 4641.5 34.01 226.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.6951 TRA-1.7402 TC3-1.4956 BAU .7615 SGT 2645.7 SGR 494.8 SG3 171.8 ST 853.4 SR 50.4 SS 221.5
 RDE -.0337 RRA .1167 RC3 .3944 FAU .06609 RRT -.8155 RRF -.9612 RTF .8647 CRT .0078 CRS -.3327 CST -.9308
 FDE -.4494 FRA -.4512 FC3-1.5536 BSP 8266 SGB 2691.6 R23 .4282 R13 -.8718 LSA 878.2 MSA 91.3 SSA 19.8
 BDE .6959 BRA 1.7441 BC3 1.5468 FSP -.556 SG1 2676.6 SG2 283.1 THA 171.23 EL1 853.4 EL2 50.4 ALF .03

LAUNCH DATE JAN 1 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 340.912

RL 147.10 LAL .00 LOL 100.13 VL 28.489 GAL -11.07 AZL 92.10 HCA 165.28 SMA 133.68 ECC .21587 INC 2.1036 V1 30.287
 RP 108.72 LAP -.53 LOP 265.42 VP 38.061 GAP 6.33 AZP 87.96 TAL 231.77 TAP 37.06 RCA 104.82 APO 162.54 V2 34.856
 RC 121.557 GL -9.81 GP 35.89 ZAL 154.84 ZAP 131.67 ETS 37.15 ZAE 125.94 ETE 150.52 ZAC 37.98 ETC 202.76 CLP-145.14

PLANETOCENTRIC CONIC

C3 36.297 VHL 6.025 DLA -28.92 RAL 308.31 RAD 6568.4 VEL 12.557 PTH 2.28 VHP 6.059 DPA 12.99 RAP 296.95 ECC 1.5974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.87 6 22 30 1204.60 16.12 345.63 186.75 114.34 6 42 34 604.6 19.27 336.33
 96.13 8 4 21 875.02 16.13 321.48 186.76 114.33 8 18 56 275.0 19.28 314.17
 100.00 7 30 45 983.14 10.31 326.50 183.81 118.21 7 47 8 383.1 14.01 319.66
 100.00 9 38 48 5859.76 22.12 279.60 189.37 110.64 11 16 27 5259.8 24.73 271.77
 110.00 7 21 7 1013.41 2.50 324.04 179.06 124.10 7 38 1 413.4 6.96 317.79
 110.00 12 4 54 5402.25 30.79 248.05 192.54 105.63 13 34 56 4802.3 32.63 239.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.9421 TRA -1.6525 TC3-1.5632 BAU .7862 SGT 2752.1 SGR 520.7 SG3 155.6 ST 1047.0 SR 44.0 SS 287.9
 ROE .0346 RRA .0763 RC3 .4258 FAU .05848 RRT -.7988 RRF -.9702 RTF .8672 CRT -.9491 CRS .8733 CST -.9421
 FOE -.5642 FRA -.3346 FC3-1.3949 BSP 8589 SGB 2800.9 R23 .4464 R13 -.8749 LSA 1082.6 MSA 93.5 SSA 13.6
 BOE .9428 BRA 1.6543 BC3 1.6201 FSP -.503 SG1 2783.8 SG2 309.7 THA 171.30 EL1 1047.8 EL2 13.9 ALF 177.71

LAUNCH DATE JAN 1 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 346.750

RL 147.10 LAL .00 LOL 100.13 VL 28.406 GAL -10.80 AZL 93.59 HCA 168.44 SMA 133.05 ECC .21424 INC 3.5900 V1 30.287
 RP 108.75 LAP -.72 LOP 268.59 VP 37.990 GAP 6.54 AZP 86.48 TAL 230.23 TAP 38.67 RCA 104.54 APO 161.55 V2 34.846
 RC 123.903 GL -16.66 GP 42.35 ZAL 150.51 ZAP 128.69 ETS 43.74 ZAE 121.71 ETE 147.73 ZAC 41.48 ETC 208.77 CLP-147.77

PLANETOCENTRIC CONIC

C3 37.147 VHL 6.095 DLA -35.16 RAL 312.00 RAD 6568.4 VEL 12.590 PTH 2.28 VHP 6.668 DPA 19.44 RAP 296.23 ECC 1.6113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.22 4 48 4 1553.40 19.11 13.61 192.52 120.10 5 13 57 953.4 22.97 6.52
 111.78 10 8 12 5825.96 19.13 275.52 192.53 120.09 11 45 18 5226.0 22.98 268.42
 68.22 4 48 4 1553.40 19.11 13.61 192.52 120.10 5 13 57 953.4 22.97 6.52
 111.78 10 8 12 5825.96 19.13 275.52 192.53 120.09 11 45 18 5226.0 22.98 268.42
 68.22 4 48 4 1553.40 19.11 13.61 192.52 120.10 5 13 57 953.4 22.97 6.52
 111.78 10 8 12 5825.96 19.13 275.52 192.53 120.09 11 45 18 5226.0 22.98 268.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -1.3501 TRA -1.4940 TC3-1.5686 BAU .8089 SGT 2866.7 SGR 548.8 SG3 135.4 ST 1371.0 SR 123.4 SS 386.8
 ROE .1301 RRA .0140 RC3 .4387 FAU .04919 RRT -.7661 RRF -.9684 RTF .8752 CRT -.9373 CRS .9954 CST -.9616
 FOE -.7086 FRA -.2093 FC3-1.1465 BSP 9003 SGB 2918.8 R23 .4477 R13 -.8834 LSA 1425.6 MSA 110.0 SSA 7.3
 BOE 1.3584 BRA 1.4940 BC3 1.6288 FSP -.441 SG1 2897.9 SG2 348.9 THA 171.53 EL1 1375.9 EL2 42.9 ALF 175.17

LAUNCH DATE JAN 1 1966

FLIGHT TIME 116.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 352.562

RL 147.10 LAL .00 LOL 100.13 VL 28.324 GAL -10.52 AZL 96.17 HCA 171.58 SMA 132.43 ECC .21267 INC 6.1671 V1 30.287
 RP 108.78 LAP -.90 LOP 271.76 VP 37.920 GAP 6.74 AZP 83.90 TAL 228.66 TAP 40.24 RCA 104.26 APO 160.59 V2 34.838
 RC 126.245 GL -27.40 GP 51.46 ZAL 142.44 ZAP 123.26 ETS 51.69 ZAE 115.31 ETE 145.40 ZAC 46.48 ETC 216.68 CLP-151.68

PLANETOCENTRIC CONIC

C3 42.276 VHL 6.502 DLA -44.80 RAL 318.71 RAD 6568.6 VEL 12.792 PTH 2.33 VHP 7.842 DPA 28.31 RAP 293.91 ECC 1.6958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.71 4 6 54 1778.94 22.20 34.90 204.42 129.97 4 36 33 1178.9 27.19 28.43
 126.29 11 42 53 5665.76 22.21 264.37 204.44 129.96 13 17 18 5065.8 27.20 257.90
 53.71 4 6 54 1778.94 22.20 34.90 204.42 129.97 4 36 33 1178.9 27.19 28.43
 126.29 11 42 53 5665.76 22.21 264.37 204.44 129.96 13 17 18 5065.8 27.20 257.90
 53.71 4 6 54 1778.94 22.20 34.90 204.42 129.97 4 36 33 1178.9 27.19 28.43
 126.29 11 42 53 5665.76 22.21 264.37 204.44 129.96 13 17 18 5065.8 27.20 257.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -2.1180 TRA -1.1745 TC3-1.3934 BAU .8167 SGT 2982.3 SGR 558.9 SG3 109.2 ST 1917.8 SR 227.1 SS 525.9
 ROE .2939 RRA -.0960 RC3 .3831 FAU .03735 RRT -.6877 RRF -.9328 RTF .8944 CRT -.9248 CRS .9815 CST -.9804
 FOE -.8797 FRA -.0672 FC3 -.7648 BSP 9386 SGB 3034.2 R23 .4220 R13 -.9019 LSA 1997.3 MSA 129.9 SSA 3.3
 BOE 2.1332 BRA 1.1784 BC3 1.4451 FSP -.358 SG1 3007.4 SG2 402.4 THA 172.52 EL1 1929.3 EL2 85.9 ALF 173.74

LAUNCH DATE JAN 1 1966

FLIGHT TIME 118.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 358.326

RL 147.10 LAL .00 LOL 100.13 VL 28.242 GAL -10.23 AZL 101.75 HCA 174.68 SMA 131.82 ECC .21109 INC 11.7450 V1 30.287
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.852 GAP 6.92 AZP 78.30 TAL 227.05 TAP 41.73 RCA 103.99 APO 159.64 V2 34.830
 RC 128.581 GL -43.96 GP 64.26 ZAL 127.81 ZAP 114.32 ETS 63.82 ZAE 104.89 ETE 147.49 ZAC 53.64 ETC 229.71 CLP-161.49

PLANETOCENTRIC CONIC

C3 66.431 VHL 8.150 DLA -58.27 RAL 335.68 RAD 6569.3 VEL 13.703 PTH 2.50 VHP 10.736 DPA 40.34 RAP 287.12 ECC 2.0933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.69 4 21 11 2014.16 20.92 57.90 231.99 145.73 4 54 45 1414.2 27.46 53.25
 143.31 13 44 3 5653.81 20.94 261.61 232.01 145.73 15 18 17 5053.8 27.47 256.96
 36.69 4 21 11 2014.16 20.92 57.90 231.99 145.73 4 54 45 1414.2 27.46 53.25
 143.31 13 44 3 5653.81 20.94 261.61 232.01 145.73 15 18 17 5053.8 27.47 256.96
 36.69 4 21 11 2014.16 20.92 57.90 231.99 145.73 4 54 45 1414.2 27.46 53.25
 143.31 13 44 3 5653.81 20.94 261.61 232.01 145.73 15 18 17 5053.8 27.47 256.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -3.8983 TRA -.3755 TC3 -.8317 BAU .7537 SGT 3098.3 SGR 479.6 SG3 78.5 ST 2744.8 SR 145.8 SS 701.6
 ROE .1275 RRA -.2861 RC3 .1688 FAU .02274 RRT -.2872 RRF -.5927 RTF .9403 CRT -.5713 CRS .6616 CST -.9934
 FOE -1.0738 FRA .1129 FC3 -.2964 BSP 9660 SGB 3135.2 R23 .3305 R13 -.9426 LSA 2833.2 MSA 142.3 SSA 1.3
 BOE 3.9003 BRA .4720 BC3 .8486 FSP -.252 SG1 3101.4 SG2 458.9 THA 177.40 EL1 2746.1 EL2 119.6 ALF 178.26

LAUNCH DATE JAN 1 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 363.897

RL 147.10 LAL .00 LOL 100.13 VL 28.161 GAL -9.89 AZL 121.63 HCA 177.60 SMA 131.22 ECC .20909 INC31.6254 V1 30.287
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.784 GAP 7.04 AZP 58.40 TAL 225.34 TAP 42.94 RCA 103.78 APO 158.65 V2 34.822
 RC 130.911 GL -60.52 GP 74.24 ZAL 106.76 ZAP 101.70 ETS 120.33 ZAE 84.67 ETE 196.16 ZAC 62.17 ETC 289.61 CLP 138.29

PLANETOCENTRIC CONIC

C3 279.247 VHL 16.711 OLA -62.09 RAL 18.73 RAD 6571.6 VEL 20.014 PTH 3.14 VHP 22.213 DPA 52.29 RAP 261.10 ECC 5.5937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.12 7 1 25 2303.14 5.82 70.16 285.62 151.93 7 39 49 1703.1 12.86 66.72
 147.88 16 47 16 612.69 5.83 290.38 285.65 151.93 16 57 28 12.7 12.87 286.95
 32.12 7 1 25 2303.14 5.82 70.16 285.62 151.93 7 39 49 1703.1 12.86 66.72
 147.88 16 47 16 612.69 5.83 290.38 285.65 151.93 16 57 28 12.7 12.87 286.95
 32.12 7 1 25 2303.14 5.82 70.16 285.62 151.93 7 39 49 1703.1 12.86 66.72
 147.88 16 47 16 612.69 5.83 290.38 285.65 151.93 16 57 28 12.7 12.87 286.95

DIFFERENTIAL CORRECTIONS

TDE-3.5014 TRA 2.1248 TC3 -.0346 BAU .1873
 RDE-6.0311 RRA 1.8304 RC3 .0363 FAU .00168
 FDE-1.1495 FRA .5983 FC3 -.0052 BSP 9180
 BDE 6.9738 BRA 2.8044 BC3 .0502 FSP -156

MID-COURSE EXECUTION ACCURACY

SGT 1968.9 SGR 2467.5 SG3 50.9
 RRT .9376 RRF .9625 RTF .9967
 SGB 3156.7 R23 -.1376 R13 .9905
 SG1 3109.6 SG2 543.3 TMA 51.82

ORBIT DETERMINATION ACCURACY

ST 1288.1 SR 2106.6 SS 797.4
 CRT .9840 CRS -.9916 CST -.9988
 LSA 2586.7 MSA 205.6 SSA .3
 EL1 2461.5 EL2 196.1 ALF 58.74

LAUNCH DATE JAN 1 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 370.755

RL 147.10 LAL .00 LOL 100.13 VL 28.080 GAL -9.82 AZL 38.12 HCA 181.82 SMA 130.63 ECC .21098 INC51.8802 V1 30.287
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.718 GAP 7.53 AZP 141.87 TAL 224.12 TAP 45.93 RCA 103.07 APO 158.19 V2 34.816
 RC 133.236 GL 57.18 GP -68.18 ZAL 100.61 ZAP 99.16 ETS 197.36 ZAE 71.12 ETE 125.31 ZAC 89.46 ETC 36.82 CLP 115.36

PLANETOCENTRIC CONIC

C3 671.006 VHL 25.904 OLA 47.27 RAL 321.94 RAD 6572.6 VEL 28.148 PTH 3.42 VHP 30.301 DPA -67.00 RAP 154.01 ECC12.0431
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.43 16 5 58 4914.17 -.79 228.34 231.23 42.74 17 27 52 4314.2 -6.65 223.30
 129.57 0 9 37 3452.21 -.77 114.17 231.21 42.74 1 7 9 2852.2 -6.64 109.13
 50.43 16 5 58 4914.17 -.79 228.34 231.23 42.74 17 27 52 4314.2 -6.65 223.30
 129.57 0 9 37 3452.21 -.77 114.17 231.21 42.74 1 7 9 2852.2 -6.64 109.13
 50.43 16 5 58 4914.17 -.79 228.34 231.23 42.74 17 27 52 4314.2 -6.65 223.30
 129.57 0 9 37 3452.21 -.77 114.17 231.21 42.74 1 7 9 2852.2 -6.64 109.13

DIFFERENTIAL CORRECTIONS

TDE 1.0323 TRA 1.5959 TC3 -.0366 BAU 1.4598
 RD-12.0174 RRA 4.0973 RC3 -.1586 FAU-.01815
 FDE 2.2419 FRA -.6003 FC3 .0234 BSP 8689
 BDE12.0617 BRA 4.3971 BC3 .1627 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 599.0 SGR 3086.1 SG3 47.2
 RRT .1319 RRF -.9952 RTF -.0354
 SGB 3143.7 R23 -.1017 R13 -.9947
 SG1 3087.1 SG2 593.5 TMA 88.48

ORBIT DETERMINATION ACCURACY

ST 276.6 SR 2688.2 SS 1307.3
 CRT -.7319 CRS .9995 CST -.7532
 LSA 2996.0 MSA 190.5 SSA .7
 EL1 2695.9 EL2 188.0 ALF 94.33

LAUNCH DATE JAN 1 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 376.145

RL 147.10 LAL .00 LOL 100.13 VL 28.000 GAL -9.43 AZL 69.54 HCA 184.57 SMA 130.06 ECC .20871 INC20.4642 V1 30.287
 RP 108.87 LAP -1.60 LOP 284.42 VP 37.653 GAP 7.59 AZP 110.40 TAL 222.31 TAP 46.88 RCA 102.92 APO 157.21 V2 34.809
 RC 135.553 GL 56.68 GP -66.16 ZAL 113.29 ZAP 113.51 ETS 217.00 ZAE 97.60 ETE 195.72 ZAC 83.12 ETC 110.48 CLP-170.62

PLANETOCENTRIC CONIC

C3 133.574 VHL 11.557 OLA 39.68 RAL 305.32 RAD 6570.4 VEL 15.966 PTH 2.82 VHP 12.208 DPA -83.23 RAP 20.65 ECC 3.1983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.96 15 42 11 4602.48 -9.22 208.43 204.06 51.24 16 58 54 4002.5 -14.16 202.43
 119.04 22 16 54 3368.56 -9.20 114.63 204.04 51.23 23 13 2 2768.6 -14.15 108.62
 60.96 15 42 11 4602.48 -9.22 208.43 204.06 51.24 16 58 54 4002.5 -14.16 202.43
 119.04 22 16 54 3368.56 -9.20 114.63 204.04 51.23 23 13 2 2768.6 -14.15 108.62
 60.96 15 42 11 4602.48 -9.22 208.43 204.06 51.24 16 58 54 4002.5 -14.16 202.43
 119.04 22 16 54 3368.56 -9.20 114.63 204.04 51.23 23 13 2 2768.6 -14.15 108.62

DIFFERENTIAL CORRECTIONS

TDE 4.4229 TRA-3.5608 TC3 -.2907 BAU .5216
 RDE -.8896 RRA 1.6393 RC3 .0283 FAU .01756
 FDE 1.2852 FRA -.6789 FC3 -.1138 BSP 10642
 BDE 4.5115 BRA 3.9200 BC3 .2921 FSP -236

MID-COURSE EXECUTION ACCURACY

SGT 3243.4 SGR 1146.1 SG3 70.5
 RRT -.9234 RRF -.8122 RTF .9732
 SGB 3440.0 R23 -.2846 R13 -.9633
 SG1 3414.5 SG2 417.9 TMA 161.64

ORBIT DETERMINATION ACCURACY

ST 2298.2 SR 543.0 SS 686.2
 CRT -.9496 CRS .9131 CST -.9949
 LSA 2452.3 MSA 183.0 SSA 1.2
 EL1 2355.6 EL2 166.1 ALF 167.29

LAUNCH DATE JAN 1 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 381.850

RL 147.10 LAL .00 LOL 100.13 VL 27.922 GAL -9.11 AZL 76.68 HCA 187.65 SMA 129.50 ECC .20751 INC13.3364 V1 30.287
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.589 GAP 7.75 AZP 103.22 TAL 220.61 TAP 48.26 RCA 102.63 APO 156.37 V2 34.804
 RC 137.863 GL 48.64 GP -51.53 ZAL 121.29 ZAP 125.69 ETS 291.70 ZAE 109.83 ETE 207.04 ZAC 75.41 ETC 129.02 CLP-159.69

PLANETOCENTRIC CONIC

C3 71.782 VHL 8.472 OLA 30.92 RAL 305.11 RAD 6569.4 VEL 13.897 PTH 2.54 VHP 8.522 DPA -69.11 RAP 340.74 ECC 2.1814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.04 17 15 30 4184.15 -11.87 177.32 194.58 61.24 18 25 15 3584.2 -15.62 170.46
 102.96 20 41 54 3520.55 -11.86 128.34 194.57 61.23 21 40 34 2920.6 -15.60 121.48
 77.04 17 15 30 4184.15 -11.87 177.32 194.58 61.24 18 25 15 3584.2 -15.62 170.46
 102.96 20 41 54 3520.55 -11.86 128.34 194.57 61.23 21 40 34 2920.6 -15.60 121.48
 110.00 23 20 31 3025.87 -24.45 97.29 201.22 65.33 24 10 56 2425.9 -27.56 89.51
 110.00 19 36 4 3726.83 .15 136.61 187.21 55.82 20 38 11 3126.8 -4.33 130.40

DIFFERENTIAL CORRECTIONS

TDE 2.8313 TRA-3.3300 TC3 -.7903 BAU .7589
 RDE .1506 RRA .5183 RC3 -.0293 FAU .03217
 FDE 1.2073 FRA -.6570 FC3 -.3880 BSP 10992
 BDE 2.8353 BRA 3.3701 BC3 .7908 FSP -337

MID-COURSE EXECUTION ACCURACY

SGT 3514.3 SGR 424.0 SG3 101.0
 RRT -.5443 RRF -.1932 RTF .9256
 SGB 3539.7 R23 -.3764 R13 -.9231
 SG1 3521.9 SG2 354.9 TMA 176.20

ORBIT DETERMINATION ACCURACY

ST 2070.7 SR 159.3 SS 612.1
 CRT .2985 CRS -.4840 CST -.9796
 LSA 2156.6 MSA 191.9 SSA 1.8
 EL1 2071.2 EL2 152.0 ALF 1.32

LAUNCH DATE JAN 1 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 387.596

RL 147.10 LAL .00 LOL 100.13 VL 27.844 GAL -8.79 AZL 79.69 MCA 190.78 SMA 128.96 ECC .20656 INC10.3058 V1 30.287
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.527 GAP 7.91 AZP 100.13 TAL 218.90 TAP 49.68 RCA 102.32 APO 155.59 V2 34.799
 RC 140.164 GL 42.80 GP -40.83 ZAL 125.76 ZAP 134.50 ETS 299.32 ZAE 116.94 ETE 206.37 ZAC 70.45 ETC 136.77 CLP-157.86

PLANETOCENTRIC CONIC

C3 52.387 VHL 7.245 DLA 25.19 RAL 306.59 RAD 6568.9 VEL 13.185 PTH 2.41 VHP 7.250 DPA -58.18 RAP 334.71 ECC 1.8638
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 1 9 3391.53 -22.85 123.83 194.35 72.81 21 57 40 2791.5 -24.99 115.81
 90.00 17 8 5 4161.52 -1.20 169.83 185.15 61.71 18 17 26 3561.5 -4.98 163.19
 100.00 22 45 59 3053.53 -25.60 99.86 195.25 74.01 23 36 53 2453.5 -27.54 91.60
 100.00 18 5 55 3974.75 1.30 154.72 183.75 60.13 19 12 10 3374.8 -2.68 148.20
 110.00 0 42 20 2701.83 -31.75 74.98 197.08 76.62 1 27 22 2101.8 -33.27 66.08
 110.00 18 30 0 3899.22 6.71 145.65 180.40 56.40 19 34 59 3299.2 2.25 139.40

DIFFERENTIAL CORRECTIONS

TOE 2.1469 TRA-3.0638 TC3-1.1986 BAU .8419
 ROE .2208 RRA .2895 RC3 -.0526 FAU .04128
 FOE 1.1494 FRA -.6079 FC3 -.6809 BSP 11296
 BOE 2.1582 BRA 3.0775 BC3 1.1997 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 3615.0 SGR 316.7 SG3 124.7
 RRT -.2170 RRF .2179 RTF .8971
 SGB 3628.9 R23 -.4241 R13 -.8964
 SG1 3615.7 SG2 309.1 THA 178.90

ORBIT DETERMINATION ACCURACY

ST 1879.0 SR 190.4 SS 578.4
 CRT .6586 CRS -.8344 CST -.9642
 LSA 1964.7 MSA 203.0 SSA 2.9
 EL1 1883.2 EL2 143.0 ALF 3.84

LAUNCH DATE JAN 1 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 393.351

RL 147.10 LAL .00 LOL 100.13 VL 27.767 GAL -8.46 AZL 81.37 MCA 193.92 SMA 128.42 ECC .20579 INC 8.6299 V1 30.287
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.466 GAP 8.07 AZP 98.38 TAL 217.18 TAP 51.11 RCA 101.99 APO 154.85 V2 34.795
 RC 142.456 GL 38.76 GP -33.26 ZAL 128.15 ZAP 140.74 ETS 304.52 ZAE 121.23 ETE 203.78 ZAC 67.78 ETC 142.05 CLP-157.81

PLANETOCENTRIC CONIC

C3 43.336 VHL 6.583 DLA 21.45 RAL 308.33 RAD 6568.6 VEL 12.834 PTH 2.34 VHP 6.705 DPA -50.25 RAP 333.08 ECC 1.7132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 3 45 3147.53 -26.74 107.04 192.24 80.33 22 56 13 2547.5 -27.81 98.54
 90.00 18 19 17 4309.64 3.57 178.10 181.80 61.89 17 31 7 3709.6 -2.22 171.47
 100.00 23 39 52 2837.63 -28.75 84.61 192.60 81.43 24 27 10 2237.6 -29.63 75.91
 100.00 17 25 52 4094.78 5.35 161.33 180.82 60.55 18 34 7 3494.8 1.39 154.79
 110.00 1 23 3 2527.12 -33.75 61.76 193.34 84.20 2 5 10 1927.1 -34.18 52.54
 110.00 18 3 6 3978.05 9.66 149.85 178.19 57.05 19 9 24 3378.0 5.25 143.53

DIFFERENTIAL CORRECTIONS

TOE 1.7829 TRA-2.8855 TC3-1.5376 BAU .8912
 ROE .2099 RRA .2086 RC3 -.0457 FAU .04642
 FOE 1.0748 FRA -.5443 FC3 -.9274 BSP 11692
 BOE 1.7952 BRA 2.8930 BC3 1.5382 FSP -461

MID-COURSE EXECUTION ACCURACY

SGT 3713.1 SGR 273.9 SG3 140.0
 RRT -.1188 RRF .3272 RTF .8804
 SGB 3723.2 R23 -.4354 R13 -.8801
 SG1 3713.3 SG2 272.0 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 1751.3 SR 191.8 SS 549.5
 CRT .7032 CRS -.8905 CST -.9496
 LSA 1833.3 MSA 211.5 SSA 4.2
 EL1 1756.5 EL2 136.0 ALF 4.43

LAUNCH DATE JAN 1 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 399.104

RL 147.10 LAL .00 LOL 100.13 VL 27.691 GAL -8.13 AZL 82.44 MCA 197.07 SMA 127.90 ECC .20515 INC 7.5625 V1 30.287
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.406 GAP 8.24 AZP 97.23 TAL 215.45 TAP 52.53 RCA 101.66 APO 154.14 V2 34.791
 RC 144.737 GL 35.88 GP -27.79 ZAL 129.28 ZAP 145.29 ETS 308.62 ZAE 123.90 ETE 201.07 ZAC 66.62 ETC 146.13 CLP-158.32

PLANETOCENTRIC CONIC

C3 37.893 VHL 6.156 DLA 18.97 RAL 310.10 RAD 6568.5 VEL 12.620 PTH 2.29 VHP 6.449 DPA -44.33 RAP 333.00 ECC 1.6236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 28 3008.24 -27.94 97.03 190.60 85.21 23 29 36 2408.2 -28.31 88.38
 90.00 15 57 44 4381.18 5.85 182.12 180.71 62.25 17 10 45 3781.2 2.09 175.46
 100.00 0 16 22 2708.44 -29.69 75.12 190.74 86.33 1 1 31 2108.4 -29.88 66.32
 100.00 17 7 27 4156.21 7.39 164.75 179.88 60.95 18 16 43 3556.2 3.46 158.18
 110.00 1 49 50 2416.05 -34.18 53.12 190.95 89.29 2 30 6 1816.1 -33.90 43.89
 110.00 17 50 29 4021.37 11.25 152.19 177.55 57.51 18 57 30 3421.4 6.89 145.82

DIFFERENTIAL CORRECTIONS

TOE 1.5660 TRA-2.7475 TC3-1.8280 BAU .9261
 ROE .1963 RRA .1671 RC3 -.0260 FAU .04888
 FOE 1.0015 FRA -.4738 FC3-1.1168 BSP 12000
 BOE 1.5782 BRA 2.7525 BC3 1.8281 FSP -490

MID-COURSE EXECUTION ACCURACY

SGT 3808.1 SGR 247.9 SG3 149.1
 RRT -.1126 RRF .3218 RTF .8697
 SGB 3816.2 R23 -.4229 R13 -.8695
 SG1 3808.2 SG2 246.3 THA 179.58

ORBIT DETERMINATION ACCURACY

ST 1669.5 SR 189.3 SS 525.7
 CRT .7164 CRS -.9154 CST -.9364
 LSA 1746.9 MSA 218.0 SSA 5.4
 EL1 1675.0 EL2 131.6 ALF 4.67

LAUNCH DATE JAN 1 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 404.855

RL 147.10 LAL .00 LOL 100.13 VL 27.616 GAL -7.79 AZL 83.18 MCA 200.23 SMA 127.39 ECC .20466 INC 6.8197 V1 30.287
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.348 GAP 8.40 AZP 96.40 TAL 213.71 TAP 53.93 RCA 101.32 APO 153.46 V2 34.788
 RC 147.008 GL 33.77 GP -23.74 ZAL 129.60 ZAP 148.74 ETS 311.94 ZAE 125.62 ETE 198.67 ZAC 66.46 ETC 149.40 CLP-159.05

PLANETOCENTRIC CONIC

C3 34.170 VHL 5.845 DLA 17.32 RAL 311.89 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 6.329 DPA -39.75 RAP 333.67 ECC 1.5623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 3 44 2917.45 -28.28 90.41 189.68 88.51 23 52 22 2317.5 -28.19 81.75
 90.00 15 47 45 4419.71 7.07 184.30 180.55 62.51 17 1 25 3819.7 3.33 177.61
 100.00 0 39 1 2622.86 -29.89 68.77 189.71 89.67 1 22 44 2022.9 -29.62 59.98
 100.00 16 59 5 4189.53 8.49 166.61 179.79 61.23 18 8 55 3589.5 4.59 160.00
 110.00 2 9 17 2340.47 -34.08 47.22 189.61 92.78 2 48 17 1740.5 -33.32 38.06
 110.00 17 45 19 4044.69 12.10 153.47 177.62 57.79 18 52 44 3444.7 7.76 147.06

DIFFERENTIAL CORRECTIONS

TOE 1.4277 TRA-2.8293 TC3-2.0888 BAU .9542
 ROE .1887 RRA .1399 RC3 -.0016 FAU .04963
 FOE .9382 FRA -.4013 FC3-1.2575 BSP 12260
 BOE 1.4401 BRA 2.6330 BC3 2.0888 FSP -501

MID-COURSE EXECUTION ACCURACY

SGT 3899.9 SGR 234.2 SG3 154.0
 RRT -.1360 RRF .2724 RTF .8617
 SGB 3906.9 R23 -.3936 R13 -.8615
 SG1 3900.0 SG2 232.0 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 1618.5 SR 189.9 SS 508.0
 CRT .7286 CRS -.9340 CST -.9247
 LSA 1692.2 MSA 223.7 SSA 6.7
 EL1 1624.5 EL2 129.6 ALF 4.92

LAUNCH DATE JAN 1 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 410.599

RL 147.10 LAL .00 LOL 100.13 VL 27.542 GAL -7.45 AZL 83.73 HCA 203.38 SMA 126.90 ECC .20430 INC 6.2704 VI 30.287
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.292 GAP 8.56 AZP 95.76 TAL 211.95 TAP 55.33 RCA 100.97 APO 152.82 V2 34.786
 RC 149.266 GL 32.17 GP -20.65 ZAL 129.35 ZAP 151.47 ETS 314.67 ZAE 126.78 ETE 196.63 ZAC 66.94 ETC 152.08 CLP-159.87

PLANETOCENTRIC CONIC

C3 31.377 VML 5.602 OLA 16.23 RAL 313.71 RAD 6568.2 VEL 12.359 PTH 2.23 VMP 6.282 DPA -36.08 RAP 334.77 ECC 1.5164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 21 37 2855.23 -28.31 85.86 189.35 90.79 24 9 12 2255.2 -27.90 77.22
 90.00 15 44 23 4438.98 7.67 185.39 180.88 62.66 16 58 22 3839.0 3.95 178.69
 100.00 0 55 58 2563.63 -29.83 64.37 189.31 91.99 1 38 41 1963.6 -29.24 55.61
 100.00 16 56 39 4205.80 9.02 167.53 180.16 61.38 18 6 44 3605.8 5.13 160.90
 110.00 2 24 19 2287.17 -33.83 43.08 189.01 95.22 3 2 26 1687.2 -32.74 34.01
 110.00 17 44 46 4055.03 12.48 154.03 178.10 57.91 18 52 21 3455.0 8.15 147.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3331 TRA-2.5247 TC3-2.3381 BAU .9808 SGT 3994.2 SGR 229.3 SG3 156.7 ST 1586.3 SR 193.6 SS 493.8
 RDE .1857 RRA .1181 RC3 .0228 FAU .04956 RRT -.1599 RRF .2101 RTF .8564 CRT .7437 CRS -.9496 CST -.9148
 FDE .8820 FRA -.3349 FC3-1.3675 BSP 12588 SGB 4000.8 R23 -.3519 R13 -.8562 LSA 1657.0 MSA 228.2 SSA 8.0
 BDE 1.3459 BRA 2.5275 BC3 2.3382 FSP -509 SG1 3994.4 SG2 226.3 THA 179.47 EL1 1592.9 EL2 128.9 ALF 5.22

LAUNCH DATE JAN 1 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 416.338

RL 147.10 LAL .00 LOL 100.13 VL 27.469 GAL -7.10 AZL 84.15 HCA 206.54 SMA 126.41 ECC .20409 INC 5.8453 VI 30.287
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.237 GAP 8.72 AZP 95.23 TAL 210.17 TAP 56.71 RCA 100.61 APO 152.21 V2 34.785
 RC 151.511 GL 30.94 GP -18.24 ZAL 128.70 ZAP 153.70 ETS 316.91 ZAE 127.59 ETE 194.92 ZAC 67.87 ETC 154.31 CLP-160.72

PLANETOCENTRIC CONIC

C3 29.149 VML 5.399 OLA 15.54 RAL 315.57 RAD 6568.2 VEL 12.269 PTH 2.21 VMP 6.277 DPA -33.02 RAP 336.14 ECC 1.4797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 35 27 2811.86 -28.23 82.69 189.47 92.38 24 22 19 2211.9 -27.60 74.08
 90.00 15 45 21 4445.38 7.87 185.76 181.52 62.71 16 59 27 3845.4 4.16 179.05
 100.00 1 9 16 2522.02 -29.69 61.28 189.38 93.60 1 51 18 1922.0 -28.88 52.57
 100.00 16 58 10 4210.47 9.17 167.79 180.82 61.43 18 8 20 3610.5 5.29 161.16
 110.00 2 36 30 2249.06 -33.55 40.14 188.96 96.94 3 13 59 1649.1 -32.23 31.15
 110.00 17 47 25 4056.20 12.52 154.10 178.83 57.93 18 55 1 3456.2 8.19 147.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2683 TRA-2.4254 TC3-2.5817 BAU 1.0063 SGT 4089.1 SGR 230.8 SG3 157.9 ST 1568.8 SR 199.9 SS 482.7
 RDE .1858 RRA .0991 RC3 .0459 FAU .04900 RRT -.1745 RRF .1505 RTF .8528 CRT .7622 CRS -.9629 CST -.9070
 FDE .8331 FRA -.2732 FC3-1.4554 BSP 12945 SGB 4095.6 R23 -.3045 R13 -.8527 LSA 1637.2 MSA 231.2 SSA 9.3
 BDE 1.2818 BRA 2.4274 BC3 2.5821 FSP -517 SG1 4089.3 SG2 227.2 THA 179.43 EL1 1576.2 EL2 128.8 ALF 5.58

LAUNCH DATE JAN 1 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 422.070

RL 147.10 LAL .00 LOL 100.13 VL 27.397 GAL -6.74 AZL 84.50 HCA 209.69 SMA 125.94 ECC .20401 INC 5.5048 VI 30.287
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.183 GAP 8.88 AZP 94.79 TAL 208.38 TAP 58.07 RCA 100.25 APO 151.63 V2 34.784
 RC 153.743 GL 29.97 GP -16.30 ZAL 127.72 ZAP 155.59 ETS 318.73 ZAE 128.19 ETE 193.50 ZAC 69.11 ETC 156.19 CLP-161.58

PLANETOCENTRIC CONIC

C3 27.295 VML 5.225 OLA 15.17 RAL 317.48 RAD 6568.1 VEL 12.193 PTH 2.19 VMP 6.299 DPA -30.41 RAP 337.69 ECC 1.4492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 46 33 2781.99 -28.12 80.51 189.95 93.47 24 32 55 2182.0 -27.34 71.93
 90.00 15 49 31 4442.49 7.78 185.59 182.38 62.69 17 3 34 3842.5 4.06 178.89
 100.00 1 20 5 2493.05 -29.55 59.14 189.83 94.72 2 1 38 1893.0 -28.58 50.47
 100.00 17 2 36 4206.66 9.05 167.58 181.70 61.39 18 12 43 3606.7 5.16 160.93
 110.00 2 46 43 2221.95 -33.31 38.06 189.33 98.15 3 23 45 1621.9 -31.83 29.14
 110.00 17 52 27 4050.53 12.32 153.78 179.76 57.86 18 59 58 3450.5 7.98 147.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2210 TRA-2.3310 TC3-2.8297 BAU 1.0329 SGT 4189.3 SGR 236.3 SG3 158.6 ST 1559.6 SR 207.7 SS 472.6
 RDE .1876 RRA .0815 RC3 .0670 FAU .04830 RRT -.1785 RRF .0982 RTF .8516 CRT .7821 CRS -.9737 CST -.9011
 FDE .7876 FRA -.2193 FC3-1.5318 BSP 13414 SGB 4196.0 R23 -.2548 R13 -.8514 LSA 1626.2 MSA 232.6 SSA 10.6
 BDE 1.2354 BRA 2.3324 BC3 2.8304 FSP -530 SG1 4189.5 SG2 232.5 THA 179.42 EL1 1568.1 EL2 128.7 ALF 5.99

LAUNCH DATE JAN 1 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 427.799

RL 147.10 LAL .00 LOL 100.13 VL 27.327 GAL -6.37 AZL 84.78 HCA 212.85 SMA 125.48 ECC .20408 INC 5.2244 VI 30.287
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.131 GAP 9.04 AZP 94.39 TAL 206.57 TAP 59.43 RCA 99.87 APO 151.08 V2 34.784
 RC 155.982 GL 29.19 GP -14.73 ZAL 126.47 ZAP 157.23 ETS 320.25 ZAE 128.64 ETE 192.31 ZAC 70.58 ETC 157.79 CLP-162.44

PLANETOCENTRIC CONIC

C3 25.706 VML 5.070 OLA 15.04 RAL 319.46 RAD 6568.0 VEL 12.128 PTH 2.17 VMP 6.339 DPA -28.13 RAP 339.37 ECC 1.4231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 55 40 2762.40 -28.03 79.08 190.73 94.18 24 41 43 2162.4 -27.16 70.53
 90.00 15 56 13 4432.33 7.47 185.01 183.44 62.61 17 10 6 3832.3 3.74 178.32
 100.00 1 29 6 2473.77 -29.43 57.72 190.59 95.46 2 10 20 1873.8 -28.37 49.08
 100.00 17 9 23 4196.18 8.71 166.99 182.78 61.29 18 19 21 3596.2 4.81 160.37
 110.00 2 55 32 2203.32 -33.12 36.63 190.05 98.97 3 32 16 1603.3 -31.53 27.77
 110.00 17 59 28 4039.40 11.91 153.18 180.86 57.72 19 6 47 3439.4 7.57 146.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2267 TRA-2.1984 TC3-3.0235 BAU 1.0395 SGT 4235.4 SGR 249.4 SG3 155.7 ST 1589.2 SR 219.4 SS 484.3
 RDE .1930 RRA .0676 RC3 .0904 FAU .04579 RRT -.1723 RRF .0814 RTF .8411 CRT .8139 CRS -.9848 CST -.8987
 FDE .7803 FRA -.1339 FC3-1.5423 BSP 13026 SGB 4242.7 R23 -.2303 R13 -.8410 LSA 1658.9 MSA 237.3 SSA 11.5
 BDE 1.2418 BRA 2.1994 BC3 3.0248 FSP -473 SG1 4235.6 SG2 245.7 THA 179.42 EL1 1599.3 EL2 126.7 ALF 6.45

LAUNCH DATE JAN 1 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 100.13 VL 27.257 GAL -6.00 AZL 85.01 MCA 216.01 SMA 125.03 ECC .20430 INC 4.9882 V1 30.287
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.081 GAP 9.21 AZP 94.04 TAL 204.76 TAP 60.77 RCA 99.48 APO 150.57 V2 34.785
 RC 158.168 GL 28.55 GP -13.43 ZAL 124.99 ZAP 158.68 ETS 321.45 ZAE 129.00 ETE 191.30 ZAC 72.22 ETC 159.18 CLP-163.29

PLANETOCENTRIC CONIC

C3 24.323 VHL 4.932 DLA 15.10 RAL 321.53 RAD 6568.0 VEL 12.071 PTH 2.16 VHP 6.392 DPA -26.07 RAP 341.15 ECC 1.4003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 7 18 2750.89 -27.97 78.25 191.77 94.59 0 53 9 2150.9 -27.04 69.71
 90.00 16 5 0 4416.60 6.97 184.12 184.69 62.49 17 18 36 3816.6 3.23 177.44
 100.00 1 36 50 2462.12 -29.36 56.86 191.63 95.91 2 17 52 1862.1 -28.23 48.24
 100.00 17 18 8 4180.60 8.20 166.11 184.02 61.15 18 27 49 3580.6 4.29 159.51
 110.00 3 3 22 2191.38 -32.99 35.73 191.05 99.50 3 39 53 1591.4 -31.33 26.90
 110.00 18 8 6 4024.11 11.35 152.34 182.12 57.54 19 15 10 3424.1 6.99 145.97

DIFFERENTIAL CORRECTIONS

TOE 1.2078 TRA-2.0998 TC3-3.2755 BAU 1.0657
 ROE .1966 RRA .0516 RC3 .1076 FAU .04485
 FDE .7442 FRA -.0880 FC3-1.5962 BSP 13545
 BOE 1.2237 BRA 2.1004 BC3 3.2772 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 4334.8 SGR 259.4 SG3 155.5
 RRT -.1596 RRF .0509 RTF .8420
 SGB 4342.6 R23 -.1881 R13 -.8419
 SG1 4335.0 SG2 256.0 TMA 179.45

ORBIT DETERMINATION ACCURACY

ST 1597.7 SR 229.1 SS 478.5
 CRT .8358 CRS -.9907 CST -.8970
 LSA 1666.9 MSA 235.7 SSA 12.8
 EL1 1609.2 EL2 124.9 ALF 6.88

LAUNCH DATE JAN 1 1966

FLIGHT TIME 146.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 100.13 VL 27.188 GAL -5.61 AZL 85.21 MCA 219.17 SMA 124.59 ECC .20468 INC 4.7852 V1 30.287
 RP 108.94 LAP -3.02 LOP 319.20 VP 37.032 GAP 9.37 AZP 93.71 TAL 202.93 TAP 62.10 RCA 99.09 APO 150.09 V2 34.787
 RC 160.359 GL 28.01 GP -12.34 ZAL 123.31 ZAP 159.99 ETS 322.39 ZAE 129.29 ETE 190.45 ZAC 74.00 ETC 160.38 CLP-164.13

PLANETOCENTRIC CONIC

C3 23.104 VHL 4.807 DLA 15.32 RAL 323.68 RAD 6567.9 VEL 12.020 PTH 2.15 VHP 6.455 DPA -24.20 RAP 343.00 ECC 1.3802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 13 52 2746.22 -27.95 77.91 193.06 94.76 0 59 38 2146.2 -26.99 69.37
 90.00 16 15 38 4396.12 6.33 182.96 186.11 62.34 17 28 54 3796.1 2.57 176.29
 100.00 1 43 35 2456.92 -29.32 56.48 192.91 96.10 2 24 32 1856.9 -28.16 47.87
 100.00 17 28 36 4160.65 7.54 164.99 185.45 60.99 18 37 57 3560.7 3.61 158.41
 110.00 3 10 27 2185.09 -32.92 35.25 192.32 99.77 3 46 52 1585.1 -31.22 26.44
 110.00 18 18 13 4005.24 10.66 151.32 183.56 57.33 19 24 58 3405.2 6.28 144.97

DIFFERENTIAL CORRECTIONS

TOE 1.2076 TRA-1.9885 TC3-3.5181 BAU 1.0873
 ROE .2009 RRA .0369 RC3 .1237 FAU .04351
 FDE .7184 FRA -.0379 FC3-1.6302 BSP 13888
 BOE 1.2242 BRA 1.9889 BC3 3.5202 FSP -490

MID-COURSE EXECUTION ACCURACY

SGT 4421.6 SGR 271.2 SG3 154.4
 RRT -.1415 RRF .0340 RTF .8416
 SGB 4429.9 R23 -.1551 R13 -.8415
 SG1 4421.7 SG2 268.5 TMA 179.50

ORBIT DETERMINATION ACCURACY

ST 1620.5 SR 239.9 SS 478.3
 CRT .8599 CRS -.9949 CST -.8977
 LSA 1690.5 MSA 233.3 SSA 14.0
 EL1 1633.7 EL2 121.5 ALF 7.29

LAUNCH DATE JAN 1 1966

FLIGHT TIME 148.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 100.13 VL 27.121 GAL -5.22 AZL 85.39 MCA 222.33 SMA 124.16 ECC .20523 INC 4.6080 V1 30.287
 RP 108.93 LAP -3.10 LOP 322.37 VP 36.985 GAP 9.54 AZP 93.41 TAL 201.09 TAP 63.42 RCA 98.68 APO 149.64 V2 34.789
 RC 162.536 GL 27.54 GP -11.41 ZAL 121.43 ZAP 161.19 ETS 323.10 ZAE 129.54 ETE 189.73 ZAC 75.87 ETC 161.44 CLP-164.95

PLANETOCENTRIC CONIC

C3 22.024 VHL 4.693 DLA 15.67 RAL 325.94 RAD 6567.9 VEL 11.975 PTH 2.13 VHP 6.526 DPA -22.46 RAP 344.91 ECC 1.3625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 19 35 2747.47 -27.95 78.00 194.59 94.71 1 5 22 2147.5 -27.01 69.46
 90.00 16 27 58 4371.62 5.55 181.58 187.71 62.19 17 40 49 3771.6 1.78 174.93
 100.00 1 49 33 2457.29 -29.32 56.51 194.44 96.09 2 30 31 1857.3 -28.17 47.89
 100.00 17 40 40 4137.03 6.76 163.68 187.06 60.81 18 49 37 3537.0 2.82 157.11
 110.00 3 17 0 2183.67 -32.90 35.14 193.85 99.83 3 53 24 1583.7 -31.20 26.34
 110.00 18 29 43 3983.41 9.86 150.14 185.17 57.10 19 36 6 3383.4 5.46 143.82

DIFFERENTIAL CORRECTIONS

TOE 1.2199 TRA-1.8688 TC3-3.7578 BAU 1.1072
 ROE .2055 RRA .0230 RC3 .1383 FAU .04201
 FDE .6983 FRA .0124 FC3-1.6515 BSP 14166
 BOE 1.2371 BRA 1.8689 BC3 3.7603 FSP -486

MID-COURSE EXECUTION ACCURACY

SGT 4502.6 SGR 284.0 SG3 152.9
 RRT -.1198 RRF .0262 RTF .8411
 SGB 4511.6 R23 -.1283 R13 -.8410
 SG1 4502.7 SG2 281.9 TMA 179.57

ORBIT DETERMINATION ACCURACY

ST 1653.7 SR 251.1 SS 481.4
 CRT .8840 CRS -.9971 CST -.9004
 LSA 1725.3 MSA 229.7 SSA 15.1
 EL1 1668.6 EL2 116.3 ALF 7.68

LAUNCH DATE JAN 1 1966

FLIGHT TIME 150.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 100.13 VL 27.054 GAL -4.81 AZL 85.55 MCA 225.49 SMA 123.75 ECC .20594 INC 4.4510 V1 30.287
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.939 GAP 9.71 AZP 93.12 TAL 199.23 TAP 64.72 RCA 98.26 APO 149.23 V2 34.792
 RC 164.699 GL 27.12 GP -10.62 ZAL 119.37 ZAP 162.30 ETS 323.61 ZAE 129.76 ETE 189.11 ZAC 77.83 ETC 162.37 CLP-165.76

PLANETOCENTRIC CONIC

C3 21.067 VHL 4.590 DLA 16.15 RAL 328.32 RAD 6567.9 VEL 11.935 PTH 2.12 VHP 6.604 DPA -20.83 RAP 346.87 ECC 1.3467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 24 35 2754.03 -27.99 78.48 196.35 94.48 1 10 29 2154.0 -27.07 69.93
 90.00 16 41 54 4343.64 4.66 180.01 189.52 62.04 17 54 18 3743.6 .88 173.36
 100.00 1 54 57 2462.64 -29.36 56.90 196.21 95.89 2 35 59 1862.6 -28.23 48.28
 100.00 17 54 14 4110.26 5.87 162.19 188.86 60.64 19 2 44 3510.3 1.91 155.64
 110.00 3 23 10 2186.60 -32.94 35.36 195.63 99.70 3 59 37 1586.6 -31.25 26.55
 110.00 18 42 30 3959.07 8.96 148.83 186.97 56.87 19 48 29 3359.1 4.53 142.54

DIFFERENTIAL CORRECTIONS

TOE 1.2416 TRA-1.7413 TC3-3.9952 BAU 1.1260
 ROE .2101 RRA .0099 RC3 .1509 FAU .04046
 FDE .6814 FRA .0612 FC3-1.6627 BSP 14432
 BOE 1.2593 BRA 1.7413 BC3 3.9980 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 4579.7 SGR 296.9 SG3 151.1
 RRT -.0960 RRF .0245 RTF .8409
 SGB 4589.3 R23 -.1060 R13 -.8409
 SG1 4579.8 SG2 295.5 TMA 179.64

ORBIT DETERMINATION ACCURACY

ST 1695.7 SR 262.4 SS 486.3
 CRT .9070 CRS -.9975 CST -.9047
 LSA 1769.1 MSA 224.6 SSA 16.2
 EL1 1712.3 EL2 109.4 ALF 8.02

LAUNCH DATE JAN 1 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 456.316

RL 147.10 LAL .00 LOL 100.13 VL 26.989 GAL -4.40 AZL 85.69 MCA 228.65 SMA 123.34 ECC .20684 INC 4.8102 V1 30.287
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.894 GAP 9.89 AZP 92.85 TAL 197.37 TAP 66.02 RCA 97.83 APO 148.85 V2 34.796
 RC 166.847 GL 26.73 GP -9.94 ZAL 117.14 ZAP 163.34 ETS 323.92 ZAE 129.97 ETE 188.57 ZAC 79.86 ETC 163.20 CLP-166.55

PLANETOCENTRIC CONIC

C3 20.224 VHL 4.497 DLA 16.72 RAL 330.82 RAD 6567.8 VEL 11.900 PTH 2.11 VHP 6.689 DPA -19.28 RAP 348.86 ECC 1.3328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 2 2765.48 -28.05 79.31 198.34 94.06 1 15 8 2165.5 -27.19 70.75
 90.00 16 57 24 4312.63 3.67 178.27 191.53 61.90 18 9 16 3712.6 -1.12 171.64
 100.00 1 59 52 2472.57 -29.43 57.63 198.21 95.51 2 41 5 1872.6 -28.35 48.99
 100.00 18 9 15 4080.77 4.88 160.56 190.86 60.47 19 17 16 3480.8 .91 154.02
 110.00 3 29 4 2193.47 -33.02 35.89 197.66 99.40 4 5 38 1593.5 -31.37 27.05
 110.00 18 36 32 3932.63 7.97 147.42 188.96 56.65 20 2 5 3332.6 3.53 141.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2736 TRA-1.6042 TC3-4.2261 BAU 1.1435 SGT 4651.4 SGR 310.0 SG3 149.2 ST 1748.1 SR 273.8 SS 493.5
 RDE .2149 RRA -.0024 RC3 .1616 FAU .03884 RRT -.0703 RRF .0286 RTF .8407 CRT .9284 CRS -.9961 CST -.9103
 FDE .6684 FRA .1101 FC3-1.6625 BSP 14642 SGB 4661.7 R23 -.0882 R13 -.8406 LSA 1823.8 MSA 218.1 SSA 17.4
 BDE 1.2916 BRA 1.6042 BC3 4.2292 FSP -473 SGI 4651.4 SG2 309.2 THA 179.73 EL1 1766.5 EL2 100.7 ALF 8.30

LAUNCH DATE JAN 1 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 461.994

RL 147.10 LAL .00 LOL 100.13 VL 26.924 GAL -3.97 AZL 85.82 MCA 231.81 SMA 122.94 ECC .20792 INC 4.1824 V1 30.287
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.851 GAP 10.07 AZP 92.59 TAL 195.50 TAP 67.31 RCA 97.38 APO 148.50 V2 34.800
 RC 168.980 GL 26.34 GP -9.34 ZAL 114.73 ZAP 164.31 ETS 324.05 ZAE 130.16 ETE 188.11 ZAC 81.95 ETC 163.94 CLP-167.34

PLANETOCENTRIC CONIC

C3 19.488 VHL 4.415 DLA 17.38 RAL 333.45 RAD 6567.8 VEL 11.869 PTH 2.11 VHP 6.781 DPA -17.80 RAP 350.88 ECC 1.3207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 33 2 2781.54 -28.12 80.48 200.58 93.48 1 19 24 2181.5 -27.34 71.90
 90.00 17 14 24 4278.95 2.59 176.39 193.77 61.79 18 25 43 3679.0 -1.21 169.76
 100.00 2 4 27 2486.77 -29.32 58.68 200.47 94.96 2 45 54 1886.8 -28.51 50.02
 100.00 18 25 41 4048.96 3.81 158.80 193.09 60.33 19 33 10 3449.0 -1.17 152.27
 110.00 3 34 49 2204.01 -33.13 36.69 199.95 98.94 4 11 33 1604.0 -31.54 27.82
 110.00 19 11 48 3904.48 6.91 145.93 191.18 56.44 20 16 52 3304.5 2.45 139.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3105 TRA-1.4612 TC3-4.4549 BAU 1.1615 SGT 4723.7 SGR 322.6 SG3 147.3 ST 1806.2 SR 285.0 SS 500.3
 RDE .2195 RRA -.0140 RC3 .1699 FAU .03729 RRT -.0443 RRF .0342 RTF .8417 CRT .9470 CRS -.9933 CST -.9167
 FDE .6553 FRA .1555 FC3-1.6567 BSP 14903 SGB 4734.7 R23 -.0718 R13 -.8417 LSA 1883.9 MSA 210.2 SSA 18.5
 BDE 1.3287 BRA 1.4613 BC3 4.4582 FSP -468 SGI 4723.7 SG2 322.3 THA 179.83 EL1 1826.3 EL2 90.6 ALF 8.52

LAUNCH DATE JAN 1 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 467.662

RL 147.10 LAL .00 LOL 100.13 VL 26.861 GAL -3.54 AZL 85.93 MCA 234.98 SMA 122.56 ECC .20920 INC 4.0652 V1 30.287
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.810 GAP 10.26 AZP 92.34 TAL 193.62 TAP 68.59 RCA 96.92 APO 148.19 V2 34.805
 RC 171.096 GL 25.96 GP -8.82 ZAL 112.16 ZAP 165.23 ETS 323.99 ZAE 130.33 ETE 187.71 ZAC 84.09 ETC 164.60 CLP-168.10

PLANETOCENTRIC CONIC

C3 18.858 VHL 4.343 DLA 18.11 RAL 336.23 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 6.878 DPA -16.37 RAP 352.93 ECC 1.3104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 36 40 2802.00 -28.20 81.97 203.07 92.74 1 23 22 2202.0 -27.52 73.37
 90.00 17 32 54 4242.95 1.43 174.38 196.25 61.72 18 43 37 3643.0 -2.37 167.75
 100.00 2 8 45 2505.02 -29.62 60.03 202.97 94.26 2 50 30 1905.0 -28.71 51.34
 100.00 18 43 30 4015.17 2.67 156.94 195.56 60.22 19 50 25 3415.2 -1.31 150.42
 110.00 3 40 30 2217.98 -33.27 37.75 202.50 98.33 4 17 28 1618.0 -31.77 28.85
 110.00 19 28 14 3874.97 5.80 144.37 193.62 56.25 20 32 49 3275.0 1.33 138.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3544 TRA-1.3096 TC3-4.6728 BAU 1.1789 SGT 4792.6 SGR 334.9 SG3 145.3 ST 1872.4 SR 296.2 SS 508.0
 RDE .2244 RRA -.0247 RC3 .1760 FAU .03574 RRT -.0180 RRF .0429 RTF .8431 CRT .9629 CRS -.9891 CST -.9236
 FDE .6440 FRA .1999 FC3-1.6406 BSP 15160 SGB 4804.3 R23 -.0582 R13 -.8431 LSA 1952.1 MSA 201.3 SSA 19.6
 BDE 1.3729 BRA 1.3099 BC3 4.6761 FSP -464 SGI 4792.6 SG2 334.9 THA 179.93 EL1 1894.0 EL2 79.1 ALF 8.68

LAUNCH DATE JAN 1 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 473.318

RL 147.10 LAL .00 LOL 100.13 VL 26.799 GAL -3.09 AZL 86.04 MCA 238.14 SMA 122.18 ECC .21069 INC 3.9567 V1 30.287
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.770 GAP 10.45 AZP 92.09 TAL 191.73 TAP 69.87 RCA 96.44 APO 147.92 V2 34.811
 RC 173.196 GL 25.55 GP -8.36 ZAL 109.44 ZAP 166.10 ETS 323.75 ZAE 130.51 ETE 187.36 ZAC 86.27 ETC 165.20 CLP-168.86

PLANETOCENTRIC CONIC

C3 18.332 VHL 4.282 DLA 18.91 RAL 339.15 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 6.982 DPA -14.98 RAP 354.99 ECC 1.3017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 58 2826.71 -28.26 83.77 205.81 91.84 1 27 5 2226.7 -27.71 75.15
 90.00 17 52 53 4204.97 .20 172.26 198.98 61.68 19 2 58 3605.0 -3.59 165.62
 100.00 2 12 52 2527.14 -29.72 61.66 205.73 93.41 2 54 59 1927.1 -28.93 52.95
 100.00 19 2 40 3979.78 1.47 155.00 198.27 60.14 20 9 0 3379.8 -2.51 148.48
 110.00 3 46 11 2235.17 -33.44 39.07 205.31 97.56 4 23 27 1635.2 -32.03 30.12
 110.00 19 45 50 3844.51 4.64 142.76 196.30 56.10 20 49 55 3244.5 .16 136.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4042 TRA-1.1493 TC3-4.8767 BAU 1.1960 SGT 4859.2 SGR 346.7 SG3 143.3 ST 1945.4 SR 307.3 SS 515.7
 RDE .2294 RRA -.0345 RC3 .1795 FAU .03422 RRT .0084 RRF .0533 RTF .8452 CRT .9757 CRS -.9838 CST -.9306
 FDE .6334 FRA .2429 FC3-1.6160 BSP 15410 SGB 4871.6 R23 -.0462 R13 -.8452 LSA 2026.7 MSA 191.7 SSA 20.8
 BDE 1.4228 BRA 1.1498 BC3 4.8800 FSP -459 SGI 4859.2 SG2 346.7 THA .03 EL1 1968.4 EL2 66.6 ALF 8.77

LAUNCH DATE JAN 1 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.738 GAL -2.63 AZL 86.14 HCA 241.31 SMA 121.81 ECC .21241 INC 3.8554 V1 30.287
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.731 GAP 10.65 AZP 91.85 TAL 189.83 TAP 71.14 RCA 95.94 APO 147.68 V2 34.817
 RC 175.278 GL 25.11 GP -7.95 ZAL 106.56 ZAP 166.94 ETS 323.32 ZAE 130.68 ETE 187.06 ZAC 88.48 ETC 165.74 CLP-169.60

PLANETOCENTRIC CONIC
 C3 17.913 VHL 4.232 DLA 19.75 RAL 342.22 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 7.093 DPA -13.63 RAP 357.08 ECC 1.2948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 2 2855.54 -28.31 85.88 208.80 90.78 1 30 37 2255.5 -27.90 77.24
 90.00 18 14 19 4165.34 -1.08 170.05 201.98 61.70 19 23 45 3565.3 -4.86 163.40
 100.00 2 16 52 2552.96 -29.80 63.58 208.75 92.40 2 59 25 1953.0 -29.15 54.83
 100.00 19 23 10 3943.16 .23 152.99 201.25 60.11 20 28 53 3343.2 -3.75 146.46
 110.00 3 51 58 2255.39 -33.61 40.62 208.40 96.66 4 29 34 1655.4 -32.32 31.63
 110.00 20 4 35 3813.49 3.46 141.14 199.23 55.97 21 8 6 3213.5 -1.03 134.93

DIFFERENTIAL CORRECTIONS
 TOE 1.4628 TRA -.9765 TC3-5.0520 BAU 1.2106 SGT 4917.5 SGR 358.2 SG3 141.1 ST 2028.7 SR 318.5 SS 525.1
 ROE .2348 RRA -.0431 RC3 .1807 FAU .03260 RRT .0355 RRF .0677 RTF .8470 CRT .9856 CRS -.9775 CST -.9378
 FDE .6255 FRA .2870 FC3-1.5756 BSP 15576 SGB 4930.5 R23 .0375 R13 .8470 LSA 2111.6 MSA 182.1 SSA 21.9
 BOE 1.4815 BRA .9775 BC3 5.0552 FSP -451 SG1 4917.5 SG2 358.0 THA .15 EL1 2052.8 EL2 53.2 ALF 8.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.677 GAL -2.15 AZL 86.24 HCA 244.47 SMA 121.45 ECC .21435 INC 3.7600 V1 30.287
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.694 GAP 10.86 AZP 91.62 TAL 187.93 TAP 72.40 RCA 95.42 APO 147.48 V2 34.824
 RC 177.341 GL 24.62 GP -7.59 ZAL 103.53 ZAP 167.74 ETS 322.68 ZAE 130.85 ETE 186.80 ZAC 90.73 ETC 166.22 CLP-170.34

PLANETOCENTRIC CONIC
 C3 17.604 VHL 4.196 DLA 20.62 RAL 345.44 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 7.211 DPA -12.30 RAP 359.18 ECC 1.2897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 53 2888.35 -28.31 88.28 212.05 89.58 1 34 1 2288.4 -28.07 79.63
 90.00 18 37 10 4124.44 -2.40 167.77 205.26 61.78 19 45 55 3524.4 -6.15 161.10
 100.00 2 20 48 2582.27 -29.87 65.75 212.04 91.26 3 3 50 1982.3 -29.37 56.98
 100.00 19 44 56 3905.76 -1.04 150.94 204.50 60.12 20 50 2 3305.8 -5.01 144.40
 110.00 3 57 56 2278.40 -33.77 42.40 211.76 95.62 4 35 54 1678.4 -32.63 33.35
 110.00 20 24 18 3782.40 2.28 139.51 202.43 55.88 21 27 20 3182.4 -2.21 135.31

DIFFERENTIAL CORRECTIONS
 TOE 1.5225 TRA -.7968 TC3-5.2073 BAU 1.2263 SGT 4976.7 SGR 369.0 SG3 138.9 ST 2112.1 SR 329.5 SS 532.3
 ROE .2407 RRA -.0507 RC3 .1791 FAU .03111 RRT .0615 RRF .0813 RTF .8499 CRT .9923 CRS -.9704 CST -.9443
 FDE .6161 FRA .3286 FC3-1.5297 BSP 15808 SGB 4990.4 R23 .0288 R13 .8499 LSA 2196.1 MSA 172.6 SSA 22.9
 BOE 1.5414 BRA .7984 BC3 5.2104 FSP -446 SG1 4976.8 SG2 368.2 THA .26 EL1 2137.3 EL2 40.4 ALF 8.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.618 GAL -1.66 AZL 86.33 HCA 247.64 SMA 121.10 ECC .21655 INC 3.6695 V1 30.287
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.658 GAP 11.08 AZP 91.40 TAL 186.03 TAP 73.67 RCA 94.88 APO 147.32 V2 34.832
 RC 179.385 GL 24.09 GP -7.26 ZAL 100.37 ZAP 168.50 ETS 321.83 ZAE 131.01 ETE 186.57 ZAC 93.00 ETC 166.65 CLP-171.06

PLANETOCENTRIC CONIC
 C3 17.411 VHL 4.173 DLA 21.50 RAL 348.81 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 7.336 DPA -11.00 RAP 1.30 ECC 1.2865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 34 2924.99 -28.27 90.96 215.56 88.23 1 37 19 2325.0 -28.21 82.30
 90.00 19 1 23 4082.70 -3.74 165.43 208.82 61.91 20 9 26 3482.7 -7.47 158.74
 100.00 2 24 45 2614.85 -29.89 68.17 215.59 89.98 3 8 20 2014.8 -29.57 59.38
 100.00 20 7 53 3868.07 -2.32 148.87 208.03 60.19 21 12 21 3268.1 -6.27 142.31
 110.00 4 4 8 2303.93 -33.93 44.38 215.40 94.46 4 42 32 1703.9 -32.94 35.28
 110.00 20 45 0 3751.75 1.11 137.91 205.89 55.83 21 47 31 3151.7 -3.38 131.71

DIFFERENTIAL CORRECTIONS
 TOE 1.5882 TRA -.6073 TC3-5.3294 BAU 1.2412 SGT 5032.7 SGR 379.0 SG3 136.7 ST 2198.6 SR 340.5 SS 538.8
 ROE .2473 RRA -.0572 RC3 .1747 FAU .02963 RRT .0874 RRF .0964 RTF .8536 CRT .9961 CRS -.9628 CST -.9504
 FDE .6069 FRA .3688 FC3-1.4732 BSP 16022 SGB 5046.9 R23 .0215 R13 .8536 LSA 2283.1 MSA 163.7 SSA 23.9
 BOE 1.6053 BRA .6100 BC3 5.3323 FSP -441 SG1 5032.8 SG2 377.6 THA .38 EL1 2224.6 EL2 29.6 ALF 8.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.560 GAL -1.15 AZL 86.42 HCA 250.81 SMA 120.76 ECC .21902 INC 3.5829 V1 30.287
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.624 GAP 11.31 AZP 91.18 TAL 184.11 TAP 74.92 RCA 94.31 APO 147.21 V2 34.840
 RC 181.409 GL 23.48 GP -6.97 ZAL 97.10 ZAP 169.23 ETS 320.74 ZAE 131.18 ETE 186.37 ZAC 95.30 ETC 167.03 CLP-171.78

PLANETOCENTRIC CONIC
 C3 17.341 VHL 4.164 DLA 22.38 RAL 352.32 RAD 6567.7 VEL 11.778 PTH 2.08 VHP 7.469 DPA -9.73 RAP 3.43 ECC 1.2854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 9 2965.25 -28.15 93.90 219.31 86.76 1 40 34 2365.2 -28.30 85.24
 90.00 19 26 51 4040.56 -5.09 163.07 212.66 62.11 20 34 12 3440.6 -8.78 156.33
 100.00 2 28 47 2650.41 -29.86 70.82 219.39 88.59 3 12 58 2050.4 -29.74 62.02
 100.00 20 31 54 3830.63 -3.58 146.81 211.83 60.30 21 35 44 3230.6 -7.51 140.22
 110.00 4 10 40 2331.68 -34.05 46.53 219.31 93.19 4 49 32 1731.7 -33.24 37.39
 110.00 21 6 30 3722.13 -.03 136.37 209.61 55.82 22 8 32 3122.1 -4.51 130.15

DIFFERENTIAL CORRECTIONS
 TOE 1.6522 TRA -.4072 TC3-5.4121 BAU 1.2553 SGT 5084.5 SGR 388.4 SG3 134.4 ST 2284.6 SR 351.5 SS 544.2
 ROE .2546 RRA -.0823 RC3 .1678 FAU .02817 RRT .1128 RRF .1126 RTF .8573 CRT .9975 CRS -.9546 CST -.9558
 FDE .5978 FRA .4094 FC3-1.4064 BSP 16246 SGB 5099.3 R23 .0155 R13 .8573 LSA 2369.4 MSA 156.1 SSA 24.7
 BOE 1.6717 BRA .4120 BC3 5.4147 FSP -437 SG1 5084.7 SG2 385.9 THA .50 EL1 2311.3 EL2 24.7 ALF 8.73

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.502 GAL -.63 AZL 86.50 MCA 253.98 SMA 120.42 ECC .22177 INC 3.4996 V1 30.287
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.590 GAP 11.56 AZP 90.97 TAL 182.20 TAP 76.18 RCA 93.72 APO 147.13 V2 34.849
 RC 183.413 GL 22.82 GP -6.71 ZAL 93.72 ZAP 169.94 ETS 319.38 ZAE 131.34 ETE 186.19 ZAC 97.61 ETC 167.38 CLP-172.48

PLANETOCENTRIC CONIC
 C3 17.402 VHL 4.172 DLA 23.25 RAL 355.97 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 7.611 DPA -8.47 RAP 5.57 ECC 1.2864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 39 3008.89 -27.94 97.08 223.30 85.19 1 43 48 2408.9 -28.31 88.43
 90.00 19 53 28 3998.54 -6.42 160.70 216.79 62.36 21 0 6 3398.5 -10.07 153.92
 100.00 2 32 59 2688.59 -29.76 73.65 223.44 87.10 3 17 48 2088.6 -29.85 64.85
 100.00 20 56 48 3794.08 -4.81 144.79 215.91 60.46 22 0 3 3194.1 -8.71 138.17
 110.00 4 17 37 2361.26 -34.14 48.84 223.49 91.83 4 56 58 1761.3 -33.51 39.65
 110.00 21 28 40 3694.18 -1.09 134.91 213.60 55.83 22 30 14 3094.2 -5.57 128.68

DIFFERENTIAL CORRECTIONS
 TOE 1.7235 TRA -.1926 TC3-5.4415 BAU 1.2665 SGT 5128.1 SGR 397.2 SG3 132.0 ST 2372.7 SR 362.5 SS 549.6
 ROE .2630 RRA -.0660 RC3 .1587 FAU .02664 RRT .1387 RRF .1316 RTF .8609 CRT .9966 CRS -.9460 CST -.9607
 FDE .5900 FRA .4509 FC3-1.3254 BSP 16330 SGB 5143.5 R23 .0116 R13 .8609 LSA 2457.7 MSA 150.2 SSA 25.1
 BOE 1.7435 BRA .2036 BC3 5.4438 FSP -426 SGI 5128.4 SG2 393.4 THA .62 EL1 2400.1 EL2 29.3 ALF 8.66

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.446 GAL -.08 AZL 86.58 MCA 257.15 SMA 120.10 ECC .22483 INC 3.4189 V1 30.287
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.558 GAP 11.82 AZP 90.76 TAL 180.29 TAP 77.44 RCA 93.10 APO 147.10 V2 34.858
 RC 185.395 GL 22.08 GP -6.47 ZAL 90.26 ZAP 170.61 ETS 317.71 ZAE 131.50 ETE 186.03 ZAC 99.95 ETC 167.68 CLP-173.19

PLANETOCENTRIC CONIC
 C3 17.605 VHL 4.196 DLA 24.07 RAL 359.74 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 7.762 DPA -7.23 RAP 7.73 ECC 1.2897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 9 3055.54 -27.63 100.45 227.50 83.92 1 47 4 2455.5 -28.24 91.84
 90.00 20 21 1 3957.28 -7.72 158.36 221.18 62.67 21 26 58 3357.3 -11.32 151.53
 100.00 2 37 27 2728.88 -29.59 76.63 227.71 85.54 3 22 56 2128.9 -29.89 67.84
 100.00 21 22 23 3759.17 -5.98 142.86 220.24 60.66 22 25 2 3159.2 -9.85 136.20
 110.00 4 25 4 2392.20 -34.18 51.26 227.90 90.40 5 4 57 1792.2 -33.75 42.04
 110.00 21 51 15 3668.62 -2.07 133.58 217.82 55.87 22 52 24 3068.6 -6.54 127.34

DIFFERENTIAL CORRECTIONS
 TOE 1.7812 TRA .0201 TC3-5.4572 BAU 1.2849 SGT 5185.4 SGR 404.1 SG3 129.6 ST 2436.2 SR 372.4 SS 542.4
 ROE .2718 RRA -.0692 RC3 .1454 FAU .02578 RRT .1626 RRF .1408 RTF .8726 CRT .9940 CRS -.9374 CST -.9650
 FDE .5706 FRA .4785 FC3-1.2675 BSP 16852 SGB 5201.1 R23 -.0020 R13 .8726 LSA 2519.3 MSA 143.6 SSA 25.3
 BOE 1.8018 BRA .0720 BC3 5.4591 FSP -453 SGI 5185.8 SG2 398.7 THA .73 EL1 2464.2 EL2 40.2 ALF 8.64

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.390 GAL .48 AZL 86.66 MCA 260.33 SMA 119.78 ECC .22822 INC 3.3401 V1 30.287
 RP 108.68 LAP -3.29 LOP .44 VP 36.528 GAP 12.09 AZP 90.56 TAL 178.37 TAP 78.70 RCA 92.44 APO 147.12 V2 34.868
 RC 187.357 GL 21.27 GP -6.26 ZAL 86.74 ZAP 171.26 ETS 315.69 ZAE 131.66 ETE 185.90 ZAC 102.29 ETC 167.94 CLP-173.88

PLANETOCENTRIC CONIC
 C3 17.964 VHL 4.238 DLA 24.84 RAL 3.61 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 7.924 DPA -6.01 RAP 9.89 ECC 1.2956
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 58 41 3104.86 -27.20 104.00 231.88 81.79 1 50 26 2504.9 -28.05 95.44
 90.00 20 49 19 3917.34 -8.96 156.08 225.83 63.03 21 54 36 3317.3 -12.51 149.20
 100.00 2 42 18 2770.79 -29.33 79.72 232.19 83.94 3 28 29 2170.8 -29.86 70.96
 100.00 21 48 23 3726.64 -7.06 141.05 224.81 60.88 22 50 30 3126.6 -10.89 134.36
 110.00 4 33 8 2424.06 -34.17 53.74 232.54 88.92 5 13 32 1824.1 -33.94 44.51
 110.00 22 14 3 3646.13 -2.93 132.40 222.26 55.93 23 14 49 3046.1 -7.38 126.14

DIFFERENTIAL CORRECTIONS
 TOE 1.8580 TRA .2658 TC3-5.3657 BAU 1.2890 SGT 5210.8 SGR 412.3 SG3 127.3 ST 2518.2 SR 384.0 SS 553.8
 ROE .2831 RRA -.0690 RC3 .1342 FAU .02378 RRT .1876 RRF .1706 RTF .8693 CRT .9899 CRS -.9280 CST -.9684
 FDE .5715 FRA .5326 FC3-1.1458 BSP 16679 SGB 5227.1 R23 .0066 R13 .8693 LSA 2602.7 MSA 144.6 SSA 25.1
 BOE 1.8795 BRA .2746 BC3 5.3673 FSP -414 SGI 5211.4 SG2 404.9 THA .86 EL1 2546.8 EL2 53.9 ALF 8.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.336 GAL 1.07 AZL 86.74 MCA 263.50 SMA 119.47 ECC .23197 INC 3.2628 V1 30.287
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.498 GAP 12.38 AZP 90.37 TAL 176.46 TAP 79.97 RCA 91.76 APO 147.18 V2 34.878
 RC 189.297 GL 20.40 GP -6.06 ZAL 83.19 ZAP 171.87 ETS 313.26 ZAE 131.82 ETE 185.78 ZAC 104.65 ETC 168.16 CLP-174.58

PLANETOCENTRIC CONIC
 C3 18.493 VHL 4.300 DLA 25.55 RAL 7.54 RAD 6567.7 VEL 11.827 PTH 2.09 VHP 8.097 DPA -4.81 RAP 12.06 ECC 1.3043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 23 3156.21 -26.64 107.66 236.43 80.04 1 53 59 2556.2 -27.75 99.16
 90.00 21 18 2 3879.56 -10.12 153.91 230.70 63.41 22 22 42 3279.6 -13.61 146.97
 100.00 2 47 40 2813.54 -28.98 82.85 236.84 82.33 3 34 34 2213.5 -29.74 74.13
 100.00 22 14 26 3697.47 -8.03 139.42 229.59 61.11 23 16 3 3097.5 -11.82 132.69
 110.00 4 41 52 2456.25 -34.10 56.26 237.38 87.44 5 22 48 1856.3 -34.08 47.01
 110.00 22 36 44 3627.52 -3.64 131.43 226.90 55.99 23 37 11 3027.5 -8.08 125.15

DIFFERENTIAL CORRECTIONS
 TOE 1.9201 TRA .5119 TC3-5.2520 BAU 1.2988 SGT 5246.0 SGR 418.4 SG3 124.7 ST 2571.9 SR 394.0 SS 551.2
 ROE .2948 RRA -.0683 RC3 .1198 FAU .02239 RRT .2111 RRF .1900 RTF .8742 CRT .9846 CRS -.9184 CST -.9714
 FDE .5596 FRA .5724 FC3-1.0484 BSP 16845 SGB 5262.6 R23 .0044 R13 .8742 LSA 2655.6 MSA 144.9 SSA 24.6
 BOE 1.9426 BRA .5185 BC3 5.2534 FSP -408 SGI 5246.7 SG2 408.9 THA .97 EL1 2601.0 EL2 68.2 ALF 8.58

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.282 GAL 1.68 AZL 86.81 MCA 266.68 SMA 119.17 ECC .23611 INC 3.1864 V1 30.287
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.470 GAP 12.69 AZP 90.18 TAL 174.56 TAP 81.24 RCA 91.03 APO 147.31 V2 34.889
 RC 191.216 GL 19.46 GP -5.89 ZAL 79.63 ZAP 172.45 ETS 310.35 ZAE 131.98 ETE 185.68 ZAC 107.02 ETC 168.35 CLP-175.27

PLANETOCENTRIC CONIC
 C3 19.211 VML 4.383 DLA 26.16 RAL 11.52 RAD 6567.8 VEL 11.857 PTH 2.10 VMP 8.282 DPA -3.62 RAP 14.25 ECC 1.3162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 4 21 3208.93 -25.97 111.37 241.11 78.30 1 57 50 2608.9 -27.32 102.96
 90.00 21 46 50 3844.78 -11.17 151.90 235.77 63.81 22 50 55 3244.8 -14.60 144.90
 100.00 2 53 43 2856.31 -28.55 85.96 241.64 80.74 3 41 20 2256.3 -29.53 77.29
 100.00 22 40 9 3672.63 -8.84 138.03 234.54 61.33 23 41 21 3072.6 -12.60 131.26
 110.00 4 51 22 2488.23 -33.97 58.75 242.38 85.97 5 32 50 1888.2 -34.16 49.51
 110.00 22 59 0 3613.47 -4.17 130.69 231.68 56.04 23 59 13 3013.5 -8.60 124.41

DIFFERENTIAL CORRECTIONS
 TOE 1.9812 TRA .7747 TC3-5.0833 BAU 1.3058 SGT 5276.0 SGR 423.8 SG3 122.4 ST 2615.3 SR 403.6 SS 548.8
 ROE .3079 RRA -.0658 RC3 .1046 FAU .02100 RRT .2351 RRF .2117 RTF .8789 CRT .9782 CRS -.9085 CST -.9740
 FOE .5492 FRA .6147 FC3 -.9466 BSP 16924 SGB 5293.0 R23 .0040 R13 .8789 LSA 2988.4 MSA 147.5 SSA 23.8
 BOE 2.0050 BRA .7775 BC3 5.0844 FSP -399 SGI 5277.0 SG2 411.9 THA 1.09 EL1 2645.0 EL2 82.9 ALF 8.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.229 GAL 2.31 AZL 86.89 MCA 269.86 SMA 118.87 ECC .24068 INC 3.1105 V1 30.287
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.442 GAP 13.03 AZP 90.01 TAL 172.65 TAP 82.52 RCA 90.26 APO 147.48 V2 34.900
 RC 193.113 GL 18.47 GP -5.73 ZAL 76.09 ZAP 173.00 ETS 306.88 ZAE 132.14 ETE 185.59 ZAC 109.40 ETC 168.50 CLP-175.96

PLANETOCENTRIC CONIC
 C3 20.140 VML 4.488 DLA 26.68 RAL 15.52 RAD 6567.8 VEL 11.896 PTH 2.11 VMP 8.482 DPA -2.46 RAP 16.44 ECC 1.3314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 7 48 3262.01 -25.18 115.06 245.88 76.61 2 2 10 2662.0 -26.78 106.75
 90.00 22 15 15 3814.11 -12.08 150.11 240.97 64.20 23 18 49 3214.1 -15.46 143.06
 100.00 3 0 40 2898.12 -28.06 88.97 246.57 79.23 3 48 58 2298.1 -29.25 80.37
 100.00 23 5 4 3653.23 -9.47 136.93 239.61 61.52 24 5 57 3053.2 -13.20 130.13
 110.00 5 1 41 2519.45 -33.80 61.17 247.52 84.55 5 43 41 1919.4 -34.18 51.94
 110.00 23 20 32 3604.66 -4.51 130.23 236.58 56.08 24 20 37 3004.7 -8.93 123.93

DIFFERENTIAL CORRECTIONS
 TOE 2.0322 TRA 1.0468 TC3-4.8771 BAU 1.3134 SGT 5303.9 SGR 428.1 SG3 119.9 ST 2636.4 SR 412.1 SS 542.3
 ROE .3221 RRA -.0618 RC3 .0889 FAU .01974 RRT .2578 RRF .2321 RTF .8847 CRT .9709 CRS -.8981 CST -.9761
 FOE .5359 FRA .6552 FC3 -.8486 BSP 17078 SGB 5321.2 R23 .0027 R13 .8847 LSA 2718.6 MSA 151.7 SSA 22.7
 BOE 2.0576 BRA 1.0487 BC3 4.8779 FSP -395 SGI 5305.1 SG2 413.5 THA 1.20 EL1 2666.6 EL2 97.6 ALF 8.64

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.177 GAL 2.98 AZL 86.97 MCA 273.05 SMA 118.58 ECC .24571 INC 3.0345 V1 30.287
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.416 GAP 13.39 AZP 89.84 TAL 170.76 TAP 83.81 RCA 89.45 APO 147.72 V2 34.912
 RC 194.989 GL 17.45 GP -5.58 ZAL 72.60 ZAP 173.49 ETS 302.75 ZAE 132.29 ETE 185.50 ZAC 111.78 ETC 168.61 CLP-176.65

PLANETOCENTRIC CONIC
 C3 21.305 VML 4.616 DLA 27.10 RAL 19.49 RAD 6567.9 VEL 11.945 PTH 2.13 VMP 8.697 DPA -1.31 RAP 18.64 ECC 1.3506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 12 2 3314.13 -24.31 118.63 250.73 75.02 2 7 16 2714.1 -26.14 110.43
 90.00 22 42 43 3788.94 -12.83 148.63 246.28 64.54 23 45 52 3188.9 -16.15 141.53
 100.00 3 8 44 2937.93 -27.52 91.80 251.59 77.83 3 57 42 2337.9 -28.92 83.28
 100.00 23 28 42 3640.38 -9.89 136.21 244.76 61.65 24 29 23 3040.4 -13.60 129.38
 110.00 5 12 52 2549.45 -33.58 63.48 252.77 83.19 5 55 22 1949.4 -34.16 54.29
 110.00 23 41 3 3601.62 -4.62 130.07 241.55 56.09 24 41 5 3001.6 -9.05 123.77

DIFFERENTIAL CORRECTIONS
 TOE 2.0770 TRA 1.3344 TC3-4.6290 BAU 1.3187 SGT 5326.4 SGR 431.3 SG3 117.4 ST 2641.1 SR 419.4 SS 534.3
 ROE .3373 RRA -.0560 RC3 .0736 FAU .01846 RRT .2802 RRF .2530 RTF .8900 CRT .9626 CRS -.8869 CST -.9779
 FOE .5221 FRA .6978 FC3 -.7503 BSP 17205 SGB 5343.9 R23 .0022 R13 .8900 LSA 2722.4 MSA 157.7 SSA 21.5
 BOE 2.1043 BRA 1.3356 BC3 4.6296 FSP -388 SGI 5327.8 SG2 414.0 THA 1.31 EL1 2671.8 EL2 112.3 ALF 8.71

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 26.126 GAL 3.68 AZL 87.04 MCA 276.23 SMA 118.30 ECC .25126 INC 2.9580 V1 30.287
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.391 GAP 13.77 AZP 89.68 TAL 168.88 TAP 85.11 RCA 88.58 APO 148.03 V2 34.924
 RC 196.842 GL 16.39 GP -5.45 ZAL 69.17 ZAP 173.94 ETS 297.87 ZAE 132.43 ETE 185.43 ZAC 114.17 ETC 168.68 CLP-177.35

PLANETOCENTRIC CONIC
 C3 22.739 VML 4.769 DLA 27.42 RAL 23.41 RAD 6567.9 VEL 12.005 PTH 2.14 VMP 8.928 DPA -.17 RAP 20.86 ECC 1.3742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 17 32 3363.40 -23.41 121.95 255.64 73.59 2 13 35 2763.4 -25.43 113.87
 90.00 23 8 30 3771.18 -13.34 147.59 251.62 64.79 24 11 21 3171.2 -16.63 140.45
 100.00 3 18 7 2974.87 -26.96 94.39 256.69 76.58 4 7 42 2374.7 -28.54 85.95
 100.00 23 50 36 3635.14 -10.06 135.91 249.93 61.70 24 51 11 3035.1 -13.76 129.08
 110.00 5 24 55 2577.87 -33.33 65.66 258.09 81.93 6 7 53 1977.9 -34.09 56.50
 110.00 0 4 14 3604.71 -4.51 130.23 246.55 56.08 1 4 18 3004.7 -8.93 123.94

DIFFERENTIAL CORRECTIONS
 TOE 2.1175 TRA 1.6409 TC3-4.3431 BAU 1.3204 SGT 5344.5 SGR 433.7 SG3 115.1 ST 2633.0 SR 425.5 SS 526.3
 ROE .3538 RRA -.0483 RC3 .0592 FAU .01717 RRT .3028 RRF .2753 RTF .8953 CRT .9534 CRS -.8752 CST -.9795
 FOE .5092 FRA .7426 FC3 -.6537 BSP 17234 SGB 5362.0 R23 .0027 R13 .8953 LSA 2713.5 MSA 163.1 SSA 20.3
 BOE 2.1468 BRA 1.6416 BC3 4.3435 FSP -380 SGI 5346.1 SG2 413.3 THA 1.42 EL1 2664.1 EL2 126.9 ALF 8.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 1 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 544.992

RL 147.10 LAL .00 LOL 100.13 VL 26.076 GAL 4.41 AZL 87.12 MCA 279.42 SMA 118.03 ECC .25736 INC 2.8805 V1 30.287
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.367 GAP 14.19 AZP 89.53 TAL 167.02 TAP 86.43 RCA 87.65 APO 148.40 V2 34.936
 RC 198.673 GL 15.31 GP -5.33 ZAL 65.83 ZAP 174.33 ETS 292.17 ZAE 132.57 ETE 185.37 ZAC 116.55 ETC 168.71 CLP-178.04

PLANETOCENTRIC CONIC

C3 24.478 VHL 4.948 OLA 27.63 RAL 27.25 RAD 6568.0 VEL 12.077 PTH 2.16 VMP 9.180 DPA .94 RAP 23.07 ECC 1.4028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 1 3407.16 -22.53 124.86 260.61 72.38 2 21 48 2807.2 -24.73 116.88
 90.00 23 31 39 3763.44 -13.57 147.13 256.93 64.91 24 34 22 3163.4 -16.84 139.98
 100.00 3 29 1 3007.42 -26.42 96.68 261.84 75.49 4 19 8 2407.4 -28.16 88.31
 100.00 0 14 15 3638.42 -9.95 136.09 255.07 61.67 1 14 54 3038.4 -13.66 129.27
 110.00 5 37 46 2604.48 -33.06 67.69 263.45 80.76 6 21 11 2004.3 -33.98 38.37
 110.00 0 21 59 3614.12 -4.15 130.73 251.54 56.04 1 22 14 3014.1 -8.58 124.44

DIFFERENTIAL CORRECTIONS

TOE 2.1462 TRA 1.9593 TC3-4.0400 BAU 1.3222
 RDE .3709 RRA -.0390 RC3 .0457 FAU .01598
 FDE .4944 FRA .7871 FC3 -.5653 BSP 17345
 BDE 2.1780 BRA 1.9597 BC3 4.0403 FSP -374

MID-COURSE EXECUTION ACCURACY

SGT 5358.9 SGR 434.9 SG3 112.6
 RRT .3244 RRF .2965 RTF .9010
 SGB 5376.5 R23 .0027 R13 .9010
 SGI 5360.7 SG2 411.3 THA 1.52

ORBIT DETERMINATION ACCURACY

ST 2604.2 SR 429.8 SS 516.0
 CRT .9431 CRS -.8624 CST -.9809
 LSA 2683.8 MSA 173.4 SSA 19.1
 EL1 2635.7 EL2 141.2 ALF 8.87

LAUNCH DATE JAN 1 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 550.233

RL 147.10 LAL .00 LOL 100.13 VL 26.027 GAL 5.19 AZL 87.20 MCA 282.61 SMA 117.76 ECC .26409 INC 2.8015 V1 30.287
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.344 GAP 14.64 AZP 89.39 TAL 165.17 TAP 87.77 RCA 86.66 APO 148.86 V2 34.948
 RC 200.481 GL 14.23 GP -5.21 ZAL 62.60 ZAP 174.64 ETS 285.60 ZAE 132.69 ETE 185.31 ZAC 118.93 ETC 168.70 CLP-178.75

PLANETOCENTRIC CONIC

C3 26.566 VHL 5.154 OLA 27.74 RAL 30.98 RAD 6568.1 VEL 12.163 PTH 2.18 VMP 9.452 DPA 2.03 RAP 25.30 ECC 1.4372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 18 3442.38 -21.79 127.18 265.65 71.46 2 32 40 2842.4 -24.12 119.28
 90.00 23 51 5 3768.64 -13.42 147.44 262.13 64.83 24 53 54 3168.6 -16.70 140.30
 100.00 3 41 30 3035.58 -25.93 98.63 267.03 74.58 4 32 5 2435.6 -27.79 90.32
 100.00 0 31 31 3650.68 -9.55 136.79 260.14 61.54 1 32 21 3050.7 -13.28 129.98
 110.00 5 51 20 2629.23 -32.77 69.57 268.83 79.68 6 35 9 2029.2 -33.85 60.49
 110.00 0 38 9 3629.79 -3.55 131.55 256.48 55.98 1 38 39 3029.8 -7.99 125.28

DIFFERENTIAL CORRECTIONS

TOE 2.1675 TRA 2.2961 TC3-3.7201 BAU 1.3213
 RDE .3888 RRA -.0278 RC3 .0337 FAU .01482
 FDE .4795 FRA .8338 FC3 -.4830 BSP 17440
 BDE 2.2021 BRA 2.2962 BC3 3.7203 FSP -368

MID-COURSE EXECUTION ACCURACY

SGT 5369.2 SGR 435.0 SG3 110.3
 RRT .3457 RRF .3179 RTF .9068
 SGB 5386.8 R23 .0028 R13 .9068
 SGI 5371.3 SG2 408.0 THA 1.61

ORBIT DETERMINATION ACCURACY

ST 2562.6 SR 432.4 SS 505.4
 CRT .9316 CRS -.8486 CST -.9822
 LSA 2641.2 MSA 182.5 SSA 18.0
 EL1 2594.2 EL2 155.2 ALF 8.97

LAUNCH DATE JAN 1 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 555.400

RL 147.10 LAL .00 LOL 100.13 VL 25.979 GAL 6.00 AZL 87.28 MCA 285.80 SMA 117.50 ECC .27151 INC 2.7205 V1 30.287
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.321 GAP 15.13 AZP 89.26 TAL 163.34 TAP 89.14 RCA 85.60 APO 149.40 V2 34.961
 RC 202.264 GL 13.15 GP -5.11 ZAL 59.49 ZAP 174.86 ETS 278.21 ZAE 132.81 ETE 185.26 ZAC 121.31 ETC 168.65 CLP-179.46

PLANETOCENTRIC CONIC

C3 29.058 VHL 5.391 OLA 27.76 RAL 34.57 RAD 6568.2 VEL 12.265 PTH 2.21 VMP 9.749 DPA 3.09 RAP 27.53 ECC 1.4782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 57 3466.95 -21.25 128.78 270.77 70.83 2 46 44 2867.0 -23.67 120.94
 90.00 0 10 2 3788.75 -12.83 148.62 267.17 64.94 1 13 10 3188.7 -16.16 141.52
 100.00 3 55 29 3059.05 -25.49 100.23 272.25 73.84 4 46 28 2459.1 -27.46 91.99
 100.00 0 46 11 3671.87 -8.66 137.98 265.10 61.34 1 47 23 3071.9 -12.62 131.21
 110.00 6 5 29 2652.21 -32.48 71.29 274.20 78.70 6 49 41 2052.2 -33.69 62.27
 110.00 0 52 40 3651.48 -2.73 132.68 261.34 55.91 1 53 32 3051.5 -7.18 126.43

DIFFERENTIAL CORRECTIONS

TOE 2.1809 TRA 2.6514 TC3-3.3914 BAU 1.3175
 RDE .4073 RRA -.0148 RC3 .0233 FAU .01369
 FDE .4647 FRA .8824 FC3 -.4080 BSP 17509
 BDE 2.2186 BRA 2.6515 BC3 3.3914 FSP -362

MID-COURSE EXECUTION ACCURACY

SGT 5374.3 SGR 434.0 SG3 107.9
 RRT .3666 RRF .3392 RTF .9128
 SGB 5391.8 R23 .0029 R13 .9128
 SGI 5376.7 SG2 403.6 THA 1.71

ORBIT DETERMINATION ACCURACY

ST 2509.6 SR 432.9 SS 494.9
 CRT .9188 CRS -.8338 CST -.9835
 LSA 2587.2 MSA 191.9 SSA 16.9
 EL1 2541.1 EL2 168.8 ALF 9.05

LAUNCH DATE JAN 1 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 560.481

RL 147.10 LAL .00 LOL 100.13 VL 25.932 GAL 6.87 AZL 87.36 MCA 288.99 SMA 117.24 ECC .27971 INC 2.6368 V1 30.287
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.300 GAP 15.67 AZP 89.14 TAL 161.55 TAP 90.54 RCA 84.45 APO 150.04 V2 34.974
 RC 204.023 GL 12.08 GP -5.02 ZAL 56.52 ZAP 174.98 ETS 270.15 ZAE 132.91 ETE 185.21 ZAC 123.68 ETC 168.55 CLP 179.81

PLANETOCENTRIC CONIC

C3 32.020 VHL 5.659 OLA 27.68 RAL 38.01 RAD 6568.3 VEL 12.385 PTH 2.24 VMP 10.073 DPA 4.14 RAP 29.76 ECC 1.5270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 42 3481.36 -20.92 129.71 275.97 70.47 3 3 43 2881.4 -23.40 121.91
 90.00 0 20 43 3823.04 -11.82 150.63 272.00 64.08 1 24 26 3223.0 -15.21 143.60
 100.00 4 10 45 3078.25 -25.12 101.54 277.46 73.25 5 2 3 2478.2 -27.18 93.34
 100.00 0 58 21 3701.39 -7.90 139.64 269.93 61.08 2 0 2 3101.4 -11.70 132.91
 110.00 6 20 2 2673.63 -32.18 72.89 279.54 77.79 7 4 36 2073.6 -33.52 63.92
 110.00 1 5 33 3678.77 -1.68 134.11 266.11 55.85 2 6 52 3078.8 -6.15 127.87

DIFFERENTIAL CORRECTIONS

TOE 2.1901 TRA 3.0341 TC3-3.0566 BAU 1.3085
 RDE .4263 RRA .0002 RC3 .0147 FAU .01254
 FDE .4512 FRA .9347 FC3 -.3392 BSP 17504
 BDE 2.2313 BRA 3.0341 BC3 3.0566 FSP -353

MID-COURSE EXECUTION ACCURACY

SGT 5377.8 SGR 432.0 SG3 105.8
 RRT .3876 RRF .3613 RTF .9189
 SGB 5395.1 R23 .0035 R13 .9189
 SGI 5380.4 SG2 398.0 THA 1.79

ORBIT DETERMINATION ACCURACY

ST 2451.9 SR 431.7 SS 485.8
 CRT .9045 CRS -.8184 CST -.9848
 LSA 2528.5 MSA 201.4 SSA 15.9
 EL1 2483.0 EL2 181.8 ALF 9.10

LAUNCH DATE JAN 1 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 565.458

RL 147.10 LAL .00 LOL 100.13 VL 25.886 GAL 7.79 AZL 87.45 MCA 292.19 SMA 117.00 ECC .28876 INC 2.5498 V1 30.287
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.280 GAP 16.25 AZP 89.04 TAL 159.78 TAP 91.97 RCA 83.21 APO 150.78 V2 34.987
 RC 205.757 GL 11.04 GP -4.93 ZAL 53.69 ZAP 174.98 ETS 261.78 ZAE 133.00 ETE 185.17 ZAC 126.03 ETC 168.40 CLP 179.07

PLANETOCENTRIC CONIC

C3 35.531 VHL 5.961 DLA 27.54 RAL 41.28 RAD 6568.4 VEL 12.526 PTH 2.27 VMP 10.427 OPA 5.15 RAP 32.00 ECC 1.5847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 35 3488.43 -20.76 130.16 281.18 70.30 3 22 43 2888.4 -23.26 122.38
 90.00 0 27 55 3868.46 -10.45 153.27 276.63 63.53 1 32 23 3268.5 -13.93 146.31
 100.00 4 26 57 3093.93 -24.81 102.60 282.65 72.77 5 18 31 2493.9 -26.93 94.44
 100.00 1 8 13 3738.20 -6.66 141.69 274.62 60.80 2 10 32 3138.2 -10.52 135.01
 110.00 6 34 49 2693.78 -31.88 74.39 284.82 76.96 7 19 43 2093.8 -33.34 65.47
 110.00 1 16 51 3711.11 -.45 135.79 270.76 55.82 2 18 42 3111.1 -4.93 129.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1911 TRA 3.4292 TC3-2.7332 BAU 1.2983 SGT 5373.2 SGR 428.7 SG3 103.5 ST 2385.2 SR 428.3 SS 476.7
 RDE .4455 RRA .0168 RC3 .0077 FAU .01148 RRT .4080 RRF .3823 RTF .9248 CRT .8889 CRS -.8017 CST -.9860
 FDE .4371 FRA .9887 FC3 -.2798 BSP 17562 SGB 5390.3 R23 .0032 R13 .9248 LSA 2460.7 MSA 210.6 SSA 15.0
 BDE 2.2359 BRA 3.4293 BC3 2.7332 FSP -347 SGI 5376.1 SG2 391.2 THA 1.87 ELI 2415.5 EL2 193.7 ALF 9.13

LAUNCH DATE JAN 1 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 570.313

RL 147.10 LAL .00 LOL 100.13 VL 25.840 GAL 8.78 AZL 87.54 MCA 295.38 SMA 116.75 ECC .29880 INC 2.4586 V1 30.287
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.260 GAP 16.89 AZP 88.95 TAL 158.06 TAP 93.44 RCA 81.87 APO 151.64 V2 35.000
 RC 207.465 GL 10.01 GP -4.86 ZAL 51.01 ZAP 174.86 ETS 253.38 ZAE 133.06 ETE 185.12 ZAC 128.38 ETC 168.20 CLP 178.32

PLANETOCENTRIC CONIC

C3 39.690 VHL 6.300 DLA 27.32 RAL 44.37 RAD 6568.5 VEL 12.691 PTH 2.31 VMP 10.817 OPA 6.14 RAP 34.24 ECC 1.6532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 30 3491.40 -20.69 130.36 286.38 70.23 3 42 41 2891.4 -23.20 122.58
 90.00 0 32 39 3921.44 -8.83 156.32 281.09 62.99 1 38 1 3321.4 -12.39 149.44
 100.00 4 43 44 3107.04 -24.54 103.48 287.79 72.38 5 35 31 2507.0 -26.72 95.36
 100.00 1 16 7 3781.03 -5.25 144.07 279.15 60.53 2 19 8 3181.0 -9.14 137.44
 110.00 6 49 39 2712.97 -31.58 75.80 290.03 76.17 7 34 52 2113.0 -33.15 66.93
 110.00 1 26 40 3747.86 .96 137.71 275.30 55.83 2 29 8 3147.9 -3.53 131.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1865 TRA 3.8523 TC3-2.4192 BAU 1.2837 SGT 5366.1 SGR 424.3 SG3 101.4 ST 2315.6 SR 422.9 SS 469.0
 RDE .4848 RRA .0354 RC3 .0023 FAU .01044 RRT .4280 RRF .4033 RTF .9310 CRT .8716 CRS -.7842 CST -.9873
 FDE .4237 FRA 1.0462 FC3 -.2276 BSP 17620 SGB 5382.9 R23 .0031 R13 .9310 LSA 2390.1 MSA 219.1 SSA 14.2
 BDE 2.2354 BRA 3.8523 BC3 2.4192 FSP -342 SGI 5369.2 SG2 383.2 THA 1.95 ELI 2345.0 EL2 204.7 ALF 9.11

LAUNCH DATE JAN 1 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 575.020

RL 147.10 LAL .00 LOL 100.13 VL 25.798 GAL 9.84 AZL 87.64 MCA 298.58 SMA 116.52 ECC .30993 INC 2.3624 V1 30.287
 RP 108.23 LAP -2.07 LOP 38.74 VP 36.241 GAP 17.60 AZP 88.87 TAL 156.38 TAP 94.97 RCA 80.41 APO 152.63 V2 35.014
 RC 209.146 GL 9.02 GP -4.78 ZAL 48.50 ZAP 174.62 ETS 245.34 ZAE 133.10 ETE 185.08 ZAC 130.69 ETC 167.94 CLP 177.54

PLANETOCENTRIC CONIC

C3 44.621 VHL 6.680 DLA 27.04 RAL 47.27 RAD 6568.7 VEL 12.884 PTH 2.35 VMP 11.247 OPA 7.10 RAP 36.47 ECC 1.7343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 36 3492.70 -20.66 130.44 291.51 70.20 4 2 49 2892.7 -23.18 122.67
 90.00 0 35 43 3979.18 -7.03 159.60 285.38 62.50 1 42 2 3379.2 -10.66 152.80
 100.00 5 0 41 3118.50 -24.31 104.25 292.86 72.04 5 52 40 2518.5 -26.53 96.16
 100.00 1 22 19 3828.62 -3.65 146.70 283.53 60.31 2 26 8 3228.6 -7.58 140.11
 110.00 7 4 22 2731.49 -31.27 77.16 295.15 75.42 7 49 53 2131.5 -32.95 68.34
 110.00 1 35 8 3788.39 2.51 139.83 279.70 55.90 2 38 16 3188.4 -1.99 133.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1785 TRA 4.3039 TC3-2.1179 BAU 1.2634 SGT 5355.1 SGR 418.7 SG3 99.4 ST 2246.1 SR 415.6 SS 463.0
 RDE .4841 RRA .0557 RC3 -.0016 FAU .00940 RRT .4479 RRF .4243 RTF .9372 CRT .8527 CRS -.7660 CST -.9886
 FDE .4114 FRA 1.1080 FC3 -.1823 BSP 17647 SGB 5371.5 R23 .0028 R13 .9372 LSA 2319.6 MSA 226.7 SSA 13.4
 BDE 2.2316 BRA 4.3043 BC3 2.1179 FSP -335 SGI 5358.4 SG2 374.1 THA 2.02 ELI 2274.1 EL2 214.4 ALF 9.05

LAUNCH DATE JAN 1 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 579.550

RL 147.10 LAL .00 LOL 100.13 VL 25.753 GAL 10.98 AZL 87.74 MCA 301.79 SMA 116.29 ECC .32232 INC 2.2601 V1 30.287
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.223 GAP 18.39 AZP 88.81 TAL 154.77 TAP 96.55 RCA 78.81 APO 153.78 V2 35.027
 RC 210.800 GL 8.07 GP -4.72 ZAL 46.14 ZAP 174.26 ETS 237.94 ZAE 133.11 ETE 185.03 ZAC 132.99 ETC 167.62 CLP 176.73

PLANETOCENTRIC CONIC

C3 50.476 VHL 7.105 DLA 26.72 RAL 49.98 RAD 6568.9 VEL 13.109 PTH 2.39 VMP 11.724 OPA 8.02 RAP 38.69 ECC 1.8307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 24 22 3493.81 -20.64 130.51 296.54 70.17 4 22 36 2893.8 -23.16 122.74
 90.00 0 37 35 4039.82 -5.11 163.02 289.53 62.11 1 44 55 3439.8 -8.80 156.29
 100.00 5 17 31 3129.03 -24.08 104.95 297.83 71.74 6 9 40 2529.0 -26.55 96.89
 100.00 1 27 7 3879.83 -1.92 149.51 287.76 60.16 2 31 47 3279.8 -5.88 142.96
 110.00 7 18 47 2749.58 -30.95 78.47 300.16 74.70 8 4 37 2149.6 -32.74 69.71
 110.00 1 42 20 3832.05 4.17 142.11 283.98 56.04 2 46 12 3232.0 -3.32 135.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1711 TRA 4.7895 TC3-1.8305 BAU 1.2352 SGT 5341.3 SGR 412.1 SG3 97.4 ST 2180.5 SR 406.6 SS 459.7
 RDE .5035 RRA .0780 RC3 -.0039 FAU .00832 RRT .4678 RRF .4457 RTF .9434 CRT .8328 CRS -.7481 CST -.9900
 FDE .4011 FRA 1.1754 FC3 -.1427 BSP 17584 SGB 5357.1 R23 .0026 R13 .9434 LSA 2253.2 MSA 232.9 SSA 12.6
 BDE 2.2287 BRA 4.7901 BC3 1.8305 FSP -328 SGI 5344.8 SG2 364.0 THA 2.08 ELI 2206.9 EL2 222.4 ALF 8.92

LAUNCH DATE JAN 1 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 583.863

RL 147.10 LAL .00 LOL 100.13 VL 25.711 GAL 12.21 AZL 87.85 MCA 304.99 SMA 116.07 ECC .33614 INC 2.1503 V1 30.287
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.206 GAP 19.26 AZP 88.77 TAL 153.22 TAP 98.21 RCA 77.06 APO 155.09 V2 35.040
 RC 212.427 GL 7.15 GP -4.66 ZAL 43.95 ZAP 173.79 ETS 231.30 ZAE 133.09 ETE 184.99 ZAC 135.25 ETC 167.24 CLP 175.89

PLANETOCENTRIC CONIC

C3 57.451 VHL 7.580 DLA 26.35 RAL 52.50 RAD 6569.0 VEL 13.372 PTH 2.44 VHP 12.253 DPA 8.91 RAP 40.90 ECC 1.9455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 27 3495.50 -20.60 130.62 301.44 70.13 4 41 43 2895.5 -23.12 122.85
 90.00 0 38 34 4102.12 -3.12 166.52 293.53 61.84 1 46 56 3502.1 -6.86 159.84
 100.00 5 33 59 3139.16 -23.87 105.63 302.67 71.45 6 26 18 2539.2 -26.18 97.59
 100.00 1 30 43 3933.68 -.09 152.47 291.85 60.11 2 36 17 3333.7 -4.07 145.94
 110.00 7 32 48 2767.41 -30.62 79.76 305.03 74.01 8 18 55 2167.4 -32.51 71.05
 110.00 1 48 24 3878.21 5.92 144.54 288.11 56.27 2 53 2 3278.2 1.45 138.31

DIFFERENTIAL CORRECTIONS

TOE 2.1588 TRA 5.3054 TC3-1.5648 BAU 1.2019
 RDE .5224 RRA .1017 RC3 -.0053 FAU .00729
 FDE .3909 FRA 1.2473 FC3 -.1098 BSP 17610
 BDE 2.2211 BRA 5.3064 BC3 1.5648 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5321.7 SGR 404.2 SG3 95.5
 RRT .4869 RRF .4662 RTF .9495
 SGB 5337.0 R23 .0021 R13 .9495
 SGI 5325.3 SG2 352.8 TMA 2.13

ORBIT DETERMINATION ACCURACY

ST 2114.4 SR 395.8 SS 457.8
 CRT .8115 CRS -.7294 CST -.9913
 LSA 2186.4 MSA 237.6 SSA 12.0
 EL1 2139.0 EL2 228.6 ALF 8.74

LAUNCH DATE JAN 1 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 587.909

RL 147.10 LAL .00 LOL 100.13 VL 25.670 GAL 13.55 AZL 87.97 MCA 308.20 SMA 115.86 ECC .35160 INC 2.0315 V1 30.287
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.190 GAP 20.24 AZP 88.74 TAL 151.76 TAP 99.96 RCA 75.12 APO 156.60 V2 35.053
 RC 214.027 GL 6.26 GP -4.60 ZAL 41.93 ZAP 173.22 ETS 225.46 ZAE 133.03 ETE 184.94 ZAC 137.47 ETC 166.78 CLP 175.01

PLANETOCENTRIC CONIC

C3 65.792 VHL 8.111 DLA 25.95 RAL 54.82 RAD 6569.3 VEL 13.680 PTH 2.50 VHP 12.846 DPA 9.77 RAP 43.10 ECC 2.0828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 41 3498.10 -20.54 130.79 306.19 70.07 4 59 59 2898.1 -23.07 123.03
 90.00 0 38 50 4165.24 -1.08 170.04 297.38 61.70 1 48 15 3565.2 -4.86 163.40
 100.00 5 49 54 3149.23 -23.65 106.30 307.37 71.16 6 42 23 2549.2 -26.00 98.29
 100.00 1 33 18 3989.35 1.79 155.52 295.78 60.16 2 39 48 3389.3 -2.19 149.00
 110.00 7 46 17 2785.05 -30.28 81.02 309.75 73.33 8 32 42 2185.1 -32.27 72.37
 110.00 1 53 24 3926.29 7.73 147.08 292.12 56.60 2 58 50 3326.3 3.28 140.82

DIFFERENTIAL CORRECTIONS

TOE 2.1470 TRA 5.8613 TC3-1.3180 BAU 1.1593
 RDE .5411 RRA .1271 RC3 -.0056 FAU .00621
 FDE .3824 FRA 1.3259 FC3 -.0817 BSP 17608
 BDE 2.2142 BRA 5.8626 BC3 1.3180 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 5298.4 SGR 395.2 SG3 93.7
 RRT .5057 RRF .4866 RTF .9555
 SGB 5313.1 R23 .0016 R13 .9555
 SGI 5302.1 SG2 340.7 TMA 2.17

ORBIT DETERMINATION ACCURACY

ST 2052.4 SR 383.4 SS 458.5
 CRT .7893 CRS -.7211 CST -.9927
 LSA 2124.0 MSA 240.6 SSA 11.3
 EL1 2074.9 EL2 232.9 ALF 8.50

LAUNCH DATE JAN 1 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 591.627

RL 147.10 LAL .00 LOL 100.13 VL 25.631 GAL 15.02 AZL 88.10 MCA 311.41 SMA 115.66 ECC .36895 INC 1.9016 V1 30.287
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.175 GAP 21.34 AZP 88.74 TAL 150.39 TAP 101.80 RCA 72.98 APO 158.33 V2 35.067
 RC 215.599 GL 5.41 GP -4.55 ZAL 40.08 ZAP 172.55 ETS 220.38 ZAE 132.92 ETE 184.89 ZAC 139.64 ETC 166.25 CLP 174.09

PLANETOCENTRIC CONIC

C3 75.818 VHL 8.707 DLA 25.52 RAL 56.94 RAD 6569.5 VEL 14.042 PTH 2.56 VHP 13.510 DPA 10.58 RAP 45.26 ECC 2.2478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 18 56 3501.67 -20.46 131.01 310.76 69.98 5 17 18 2901.7 -23.00 123.27
 90.00 0 38 28 4228.60 .96 173.58 301.09 61.70 1 48 57 3628.6 -2.83 166.95
 100.00 6 5 7 3159.36 -23.42 106.96 311.89 70.88 6 57 46 2559.4 -25.82 98.98
 100.00 1 34 59 4046.13 3.71 158.65 299.56 60.32 2 42 25 3446.1 -.26 152.12
 110.00 7 59 10 2802.51 -29.94 82.26 314.29 72.67 8 45 52 2202.5 -32.01 73.67
 110.00 1 57 25 3975.75 9.57 149.73 295.97 57.03 3 41 3375.7 5.16 143.41

DIFFERENTIAL CORRECTIONS

TOE 2.1376 TRA 6.4620 TC3-1.0906 BAU 1.1055
 RDE .5595 RRA .1540 RC3 -.0051 FAU .00507
 FDE .3756 FRA 1.4123 FC3 -.0579 BSP 17591
 BDE 2.2096 BRA 6.4639 BC3 1.0906 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 5271.3 SGR 385.0 SG3 91.9
 RRT .5241 RRF .5067 RTF .9614
 SGB 5285.3 R23 .0009 R13 .9614
 SGI 5275.1 SG2 327.6 TMA 2.20

ORBIT DETERMINATION ACCURACY

ST 1994.9 SR 369.7 SS 461.8
 CRT .7667 CRS -.6932 CST -.9939
 LSA 2066.7 MSA 241.5 SSA 10.7
 EL1 2015.2 EL2 234.9 ALF 8.20

LAUNCH DATE JAN 1 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 594.934

RL 147.10 LAL .00 LOL 100.13 VL 25.593 GAL 16.64 AZL 88.24 MCA 314.62 SMA 115.46 ECC .38850 INC 1.7581 V1 30.287
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.161 GAP 22.58 AZP 88.76 TAL 149.15 TAP 103.78 RCA 70.60 APO 160.32 V2 35.080
 RC 217.144 GL 4.60 GP -4.50 ZAL 38.41 ZAP 171.77 ETS 215.95 ZAE 132.74 ETE 184.83 ZAC 141.74 ETC 165.64 CLP 173.10

PLANETOCENTRIC CONIC

C3 87.944 VHL 9.378 DLA 25.06 RAL 58.85 RAD 6569.7 VEL 14.467 PTH 2.63 VHP 14.261 DPA 11.35 RAP 47.38 ECC 2.4473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 9 3506.07 -20.35 131.30 315.12 69.88 5 33 35 2906.1 -22.91 123.56
 90.00 0 37 31 4291.72 3.00 177.10 304.63 61.83 1 49 2 3691.7 -.79 170.47
 100.00 6 19 32 3169.55 -23.19 107.63 316.22 70.59 7 12 21 2569.5 -25.63 99.68
 100.00 1 35 49 4103.47 5.64 161.81 303.18 60.60 2 44 13 3503.5 1.68 155.26
 110.00 8 11 21 2819.70 -29.58 83.48 318.63 72.03 8 58 21 2219.7 -31.75 74.94
 110.00 2 0 29 4026.09 11.43 152.45 299.68 57.56 3 7 35 3426.1 7.07 146.07

DIFFERENTIAL CORRECTIONS

TOE 2.1355 TRA 7.1171 TC3 -.8813 BAU 1.0362
 RDE .5776 RRA .1823 RC3 -.0039 FAU .00379
 FDE .3715 FRA 1.5086 FC3 -.0373 BSP 17478
 BDE 2.2123 BRA 7.1194 BC3 .8813 FSP -303

MID-COURSE EXECUTION ACCURACY

SGT 5241.9 SGR 373.8 SG3 90.3
 RRT .5424 RRF .5268 RTF .9670
 SGB 5255.2 R23 .0004 R13 .9670
 SGI 5245.8 SG2 313.8 TMA 2.22

ORBIT DETERMINATION ACCURACY

ST 1943.9 SR 354.8 SS 468.7
 CRT .7446 CRS -.6769 CST -.9951
 LSA 2016.5 MSA 240.2 SSA 10.0
 EL1 1962.0 EL2 234.6 ALF 7.85

LAUNCH DATE JAN 1 1966

FLIGHT TIME 208.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.557 GAL 18.44 AZL 88.40 HCA 317.84 SMA 115.28 ECC .41061 INC 1.5976 V1 30.287
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.148 GAP 23.99 AZP 88.82 TAL 148.06 TAP 105.90 RCA 67.94 APO 162.61 V2 35.092
 RC 218.662 GL 3.82 GP -4.45 ZAL 36.92 ZAP 170.89 ETS 212.10 ZAE 132.50 ETE 184.76 ZAC 143.78 ETC 164.95 CLP 172.04

PLANETOCENTRIC CONIC
 C3 102.713 VHL 10.135 DLA 24.59 RAL 60.55 RAD 6570.0 VEL 14.968 PTH 2.70 VMP 15.113 CPA 12.07 RAP 49.45 ECC 2.6904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 17 3511.05 -20.24 131.62 319.25 69.76 5 48 48 2911.0 -22.81 123.89
 90.00 0 35 57 4354.23 5.00 180.60 308.01 62.09 1 48 31 3754.2 1.22 173.96
 100.00 6 33 4 3179.65 -22.96 108.30 320.32 70.32 7 26 4 2579.7 -25.44 100.37
 100.00 1 35 51 4160.86 7.55 165.01 306.62 60.99 2 45 11 3560.9 3.62 158.42
 110.00 8 22 46 2836.44 -29.22 84.65 322.73 71.42 9 10 2 2236.4 -31.48 76.17
 110.00 2 2 38 4076.84 13.26 155.23 303.21 58.20 3 10 35 3476.8 8.96 148.77

MID-COURSE EXECUTION ACCURACY
 SGT 5206.3 SGR 361.2 SG3 88.6
 RRT .5596 RRF .5457 RTF .9722
 SGB 5218.8 R23 -.0002 R13 .9722
 SGI 5210.3 SG2 299.1 THA 2.23

ORBIT DETERMINATION ACCURACY
 ST 1894.6 SR 338.7 SS 478.1
 CRT .7225 CR5 -.6609 CST -.9962
 LSA 1968.9 MSA 236.9 SSA 9.4
 EL1 1910.6 EL2 232.2 ALF 7.47

DIFFERENTIAL CORRECTIONS
 TDE 2.1353 TRA 7.8258 TC3 -.6936 BAU .9524
 RDE .5951 RRA .2114 RC3 -.0024 FAU .00241
 FDE .3685 FRA 1.6144 FC3 -.0203 BSP 17462
 BDE 2.2166 BRA 7.8287 BC3 .6936 FSP -298

LAUNCH DATE JAN 1 1966

FLIGHT TIME 210.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.523 GAL 20.44 AZL 88.58 HCA 321.05 SMA 115.11 ECC .43570 INC 1.4157 V1 30.287
 RP 107.95 LAP -.89 LOP 61.19 VP 36.136 GAP 25.60 AZP 88.90 TAL 147.15 TAP 108.21 RCA 64.95 APO 165.26 V2 35.105
 RC 220.152 GL 3.08 GP -4.41 ZAL 35.64 ZAP 169.89 ETS 208.73 ZAE 132.16 ETE 184.68 ZAC 145.72 ETC 164.17 CLP 170.89

PLANETOCENTRIC CONIC
 C3 120.849 VHL 10.993 DLA 24.09 RAL 62.03 RAD 6570.3 VEL 15.562 PTH 2.77 VMP 16.087 CPA 12.75 RAP 51.44 ECC 2.9889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 4 18 3516.26 -20.11 131.95 323.12 69.64 6 2 54 2916.3 -22.71 124.23
 90.00 0 33 43 4415.81 6.95 184.08 311.18 62.48 1 47 19 3815.8 3.21 177.39
 100.00 6 45 40 3189.43 -22.74 108.94 324.16 70.05 7 38 49 2589.4 -25.25 101.04
 100.00 1 35 2 4217.87 9.41 168.21 309.86 61.50 2 45 20 3617.9 5.54 161.57
 110.00 8 33 21 2852.51 -28.87 85.76 326.57 70.85 9 20 54 2252.5 -31.21 77.34
 110.00 2 3 50 4127.56 15.06 158.06 306.55 58.95 3 12 38 3527.6 10.84 151.51

MID-COURSE EXECUTION ACCURACY
 SGT 5167.0 SGR 347.5 SG3 87.1
 RRT .5761 RRF .5638 RTF .9770
 SGB 5178.7 R23 -.0009 R13 .9770
 SGI 5170.9 SG2 283.9 THA 2.23

ORBIT DETERMINATION ACCURACY
 ST 1849.7 SR 321.7 SS 491.3
 CRT .7015 CR5 -.6463 CST -.9970
 LSA 1926.8 MSA 231.5 SSA 8.8
 EL1 1863.6 EL2 227.6 ALF 7.06

DIFFERENTIAL CORRECTIONS
 TDE 2.1444 TRA 8.6023 TC3 -.5242 BAU .8469
 RDE .6122 RRA .2412 RC3 -.0006 FAU .00081
 FDE .3683 FRA 1.7332 FC3 -.0058 BSP 17414
 BDE 2.2301 BRA 8.6037 BC3 .5242 FSP -293

LAUNCH DATE JAN 1 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.492 GAL 22.70 AZL 88.79 HCA 324.27 SMA 114.95 ECC .46428 INC 1.2067 V1 30.287
 RP 107.91 LAP -.70 LOP 64.41 VP 36.126 GAP 27.46 AZP 89.02 TAL 146.47 TAP 110.74 RCA 61.58 APO 168.31 V2 35.117
 RC 221.615 GL 2.37 GP -4.36 ZAL 34.57 ZAP 168.76 ETS 205.74 ZAE 131.71 ETE 184.59 ZAC 147.55 ETC 163.32 CLP 169.63

PLANETOCENTRIC CONIC
 C3 143.327 VHL 11.972 DLA 23.58 RAL 63.27 RAD 6570.6 VEL 16.268 PTH 2.85 VMP 17.206 CPA 13.37 RAP 53.35 ECC 3.3588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 9 3521.28 -19.99 132.27 326.69 69.52 6 15 50 2921.3 -22.60 124.57
 90.00 0 30 46 4476.17 8.83 187.51 314.13 62.99 1 45 22 3876.2 5.14 180.78
 100.00 6 57 15 3198.56 -22.52 109.53 327.69 69.81 7 50 33 2598.6 -25.07 101.66
 100.00 1 33 22 4274.13 11.22 171.40 312.87 62.11 2 44 36 3674.1 7.41 164.70
 110.00 8 43 2 2867.60 -28.53 86.81 330.10 70.32 9 30 49 2267.6 -30.94 78.44
 110.00 2 4 4 4177.85 16.81 160.91 309.67 59.79 3 13 42 3577.9 12.67 154.25

MID-COURSE EXECUTION ACCURACY
 SGT 5123.2 SGR 332.7 SG3 85.6
 RRT .5914 RRF .5808 RTF .9814
 SGB 5134.0 R23 -.0015 R13 .9814
 SGI 5127.0 SG2 268.0 THA 2.21

ORBIT DETERMINATION ACCURACY
 ST 1808.1 SR 304.0 SS 508.7
 CRT .6821 CR5 -.6334 CST -.9978
 LSA 1889.5 MSA 224.2 SSA 8.3
 EL1 1820.2 EL2 220.8 ALF 6.64

DIFFERENTIAL CORRECTIONS
 TDE 2.1661 TRA 9.4550 TC3 -.3726 BAU .7140
 RDE .6290 RRA .2710 RC3 .0013 FAU -.00110
 FDE .3712 FRA 1.8668 FC3 .0067 BSP 17353
 BDE 2.2556 BRA 9.4589 BC3 .3726 FSP -289

LAUNCH DATE JAN 1 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 23.463 GAL 25.27 AZL 89.04 HCA 327.49 SMA 114.80 ECC .49694 INC .9618 V1 30.287
 RP 107.87 LAP -.52 LOP 67.62 VP 36.118 GAP 29.61 AZP 89.19 TAL 146.06 TAP 113.55 RCA 57.75 APO 171.85 V2 35.130
 RC 223.050 GL 1.69 GP -4.32 ZAL 33.74 ZAP 167.48 ETS 203.08 ZAE 131.13 ETE 184.49 ZAC 149.25 ETC 162.40 CLP 168.24

PLANETOCENTRIC CONIC
 C3 171.469 VHL 13.095 DLA 23.05 RAL 64.25 RAD 6570.9 VEL 17.111 PTH 2.93 VMP 18.500 CPA 13.93 RAP 55.13 ECC 3.8219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 49 3525.63 -19.89 132.54 329.90 69.42 6 27 34 2925.6 -22.51 124.85
 90.00 0 26 58 4535.08 10.63 190.90 316.81 63.60 1 42 33 3935.1 7.00 184.10
 100.00 7 7 44 3206.65 -22.33 110.06 330.88 69.60 8 1 11 2606.6 -24.91 102.20
 100.00 1 30 43 4329.29 12.96 174.58 315.61 62.83 2 42 52 3729.3 9.22 167.79
 110.00 8 51 43 2881.35 -28.21 87.75 333.28 69.84 9 39 44 2281.3 -30.69 79.43
 110.00 2 3 14 4227.36 18.48 163.78 312.53 60.72 3 13 41 3627.4 14.44 156.99

MID-COURSE EXECUTION ACCURACY
 SGT 5076.5 SGR 316.7 SG3 84.3
 RRT .6056 RRF .5965 RTF .9853
 SGB 5086.4 R23 -.0021 R13 .9853
 SGI 5080.1 SG2 251.8 THA 2.17

ORBIT DETERMINATION ACCURACY
 ST 1770.5 SR 285.8 SS 531.2
 CRT .6651 CR5 -.6230 CST -.9984
 LSA 1858.0 MSA 215.0 SSA 7.7
 EL1 1780.8 EL2 212.2 ALF 6.22

DIFFERENTIAL CORRECTIONS
 TDE 2.2083 TRA10.3986 TC3 -.2373 BAU .5439
 RDE .6458 RRA .3002 RC3 .0032 FAU -.00349
 FDE .3788 FRA 2.0191 FC3 .0176 BSP 17180
 BDE 2.3008 BRA10.4030 BC3 .2373 FSP -282

LAUNCH DATE JAN 1 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.439 GAL 28.21 AZL 89.33 MCA 330.71 SMA 114.68 ECC .53434 INC .6694 V1 30.287
 RP 107.84 LAP -.33 LOP 70.84 VP 36.112 GAP 32.14 AZP 89.42 TAL 146.00 TAP 116.71 RCA 53.40 APO 175.95 V2 35.141
 RC 224.456 GL 1.04 GP -4.27 ZAL 33.18 ZAP 166.02 ETS 200.69 ZAE 130.37 ETE 184.37 ZAC 150.77 ETC 161.44 CLP 166.68

PLANETOCENTRIC CONIC
 C3 207.084 VHL 14.390 OLA 22.51 RAL 64.95 RAD 6571.2 VEL 18.122 PTH 3.02 VHP 20.009 DPA 14.44 RAP 56.76 ECC 4.4081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 12 3528.77 -19.82 132.74 332.72 69.35 6 38 0 2928.8 -22.45 125.06
 90.00 0 22 8 4592.33 12.35 194.24 319.17 64.31 1 38 40 3992.3 8.79 187.36
 100.00 7 17 3 3213.22 -22.18 110.48 333.67 69.43 8 10 37 2613.2 -24.78 102.65
 100.00 1 26 57 4383.11 14.61 177.72 318.03 63.63 2 40 0 3783.1 10.95 170.84
 110.00 8 59 18 2893.34 -27.93 88.57 336.05 69.44 9 47 32 2293.3 -30.46 80.29
 110.00 2 1 11 4275.76 20.07 166.63 315.08 61.73 3 12 27 3675.8 16.13 159.72

DIFFERENTIAL CORRECTIONS
 TOE 2.2686 TRA11.4347 TC3 -.1194 BAU .3308 SGT 5021.9 SGR 299.3 SG3 83.0 ST 1732.5 SR 267.1 SS 558.6
 RDE .6623 RRA .3270 RC3 .0050 FAU-.00645 RRT .6172 RRF .6095 RTF .9887 CRT .6499 CRS -.6137 CST -.9988
 FDE .3903 FRA 2.1911 FC3 .0269 BSP 17103 SGB 5030.8 R23 -.0026 R13 .9887 LSA 1828.5 MSA 204.3 SSA 7.1
 BOE 2.3633 BRA11.4394 BC3 .1195 FSP -279 SGI 5025.3 SG2 235.4 THA 2.11 EL1 1741.3 EL2 202.0 ALF 5.80

LAUNCH DATE JAN 1 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 7 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.419 GAL 31.61 AZL 89.69 MCA 333.94 SMA 114.58 ECC .57719 INC .3107 V1 30.287
 RP 107.80 LAP -.14 LOP 74.07 VP 36.109 GAP 35.11 AZP 89.72 TAL 146.37 TAP 120.31 RCA 48.44 APO 180.71 V2 35.153
 RC 225.834 GL .42 GP -4.22 ZAL 32.93 ZAP 164.34 ETS 198.52 ZAE 129.41 ETE 184.23 ZAC 152.10 ETC 160.48 CLP 164.90

PLANETOCENTRIC CONIC
 C3 252.665 VHL 15.895 OLA 21.94 RAL 65.31 RAD 6571.5 VEL 19.339 PTH 3.10 VHP 21.777 DPA 14.88 RAP 58.19 ECC 5.1582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 13 3530.12 -19.78 132.83 335.07 69.32 6 47 3 2930.1 -22.42 125.15
 90.00 0 16 3 4647.79 13.96 197.51 321.15 65.11 1 33 30 4047.8 10.49 190.55
 100.00 7 25 5 3217.75 -22.07 110.77 335.99 69.31 8 18 43 2617.8 -24.68 102.95
 100.00 1 21 51 4435.39 16.17 180.82 320.07 64.51 2 35 47 3835.4 12.60 173.84
 110.00 9 5 39 2903.10 -27.69 89.23 338.35 69.11 9 54 3 2303.1 -30.27 80.99
 110.00 1 57 46 4322.81 21.56 169.47 317.26 62.81 3 9 49 3722.8 17.74 162.42

DIFFERENTIAL CORRECTIONS
 TOE 2.3593 TRA12.5772 TC3 -.0169 BAU .0611 SGT 4961.1 SGR 280.7 SG3 81.7 ST 1695.0 SR 248.1 SS 592.4
 RDE .6790 RRA .3500 RC3 .0065 FAU-.01027 RRT .6259 RRF .6194 RTF .9915 CRT .6371 CRS -.6064 CST -.9992
 FDE .4082 FRA 2.3878 FC3 .0352 BSP 16981 SGB 4969.0 R23 -.0031 R13 .9915 LSA 1802.3 MSA 192.4 SSA 6.5
 BOE 2.4551 BRA12.5821 BC3 .0181 FSP -275 SGI 4964.2 SG2 218.8 THA 2.03 EL1 1702.4 EL2 190.4 ALF 5.40

LAUNCH DATE JAN 1 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 9 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 100.13 VL 25.404 GAL 35.58 AZL 90.14 MCA 337.16 SMA 114.50 ECC .62616 INC .1374 V1 30.287
 RP 107.77 LAP .05 LOP 77.29 VP 36.110 GAP 38.64 AZP 90.13 TAL 147.28 TAP 124.44 RCA 42.81 APO 186.20 V2 35.164
 RC 227.182 GL -.16 GP -4.16 ZAL 33.04 ZAP 162.38 ETS 196.52 ZAE 128.17 ETE 184.06 ZAC 153.16 ETC 159.58 CLP 162.86

PLANETOCENTRIC CONIC
 C3 311.642 VHL 17.653 OLA 21.34 RAL 65.30 RAD 6571.8 VEL 20.807 PTH 3.18 VHP 23.861 DPA 15.25 RAP 59.36 ECC 6.1288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 44 3528.99 -19.81 132.76 336.88 69.34 6 34 33 2929.0 -22.45 125.08
 90.00 0 8 25 4701.44 15.47 200.72 322.67 65.98 1 26 46 4101.4 12.10 193.67
 100.00 7 31 40 3219.65 -22.02 110.90 337.77 69.26 8 25 20 2619.6 -24.65 103.08
 100.00 1 15 10 4486.02 17.63 183.88 321.66 65.46 2 29 56 3886.0 14.17 176.79
 110.00 9 10 37 2910.08 -27.52 89.70 340.09 68.88 9 59 7 2310.1 -30.14 81.48
 110.00 1 52 42 4368.35 22.95 172.28 318.98 63.94 3 5 30 3768.3 19.26 165.08

DIFFERENTIAL CORRECTIONS
 TOE 2.4891 TRA13.8277 TC3 .0708 BAU .2967 SGT 4891.8 SGR 260.9 SG3 80.6 ST 1655.9 SR 229.2 SS 633.7
 RDE .6961 RRA .3661 RC3 .0076 FAU-.01531 RRT .6300 RRF .6244 RTF .9938 CRT .6268 CRS -.6007 CST -.9994
 FDE .4344 FRA 2.6124 FC3 .0425 BSP 16812 SGB 4898.8 R23 -.0036 R13 .9938 LSA 1778.7 MSA 179.6 SSA 6.0
 BOE 2.5846 BRA13.8326 BC3 .0712 FSP -272 SGI 4894.6 SG2 202.5 THA 1.93 EL1 1662.2 EL2 177.9 ALF 5.02

LAUNCH DATE JAN 2 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 13 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 30.098 GAL -15.67 AZL 87.14 MCA 98.81 SMA 147.70 ECC .27004 INC 2.8622 V1 30.287
 RP 107.94 LAP 2.83 LOP 199.97 VP 39.503 GAP -1.28 AZP 90.44 TAL 255.17 TAP 353.98 RCA 107.82 APO 187.59 V2 35.108
 RC 73.845 GL 9.98 GP 12.39 ZAL 166.33 ZAP 76.17 ETS 354.58 ZAE 173.01 ETE 125.07 ZAC 37.65 ETC 170.38 CLP -75.83

PLANETOCENTRIC CONIC
 C3 69.775 VHL 8.353 OLA -12.00 RAL 290.69 RAD 6569.3 VEL 13.825 PTH 2.52 VHP 4.618 DPA -9.53 RAP 304.49 ECC 2.1483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 32 54 2141.67 -17.73 36.92 170.34 112.44 2 8 36 1541.7 -14.54 29.70
 90.00 10 25 31 5549.65 28.30 258.50 179.68 91.06 11 58 1 4949.7 28.15 249.84
 100.00 2 48 8 1898.97 -19.20 18.42 189.69 113.36 3 19 47 1299.0 -15.88 11.20
 100.00 11 52 59 5267.59 29.89 237.78 179.70 90.36 13 20 46 4667.6 29.62 228.98
 110.00 3 42 34 1728.52 -23.07 3.58 167.78 115.95 4 11 22 1128.5 -19.40 356.38
 110.00 13 15 2 5010.80 34.15 218.22 179.65 88.43 14 38 33 4410.8 33.56 209.03

DIFFERENTIAL CORRECTIONS
 TOE -.0608 TRA -.8679 TC3 -.0986 BAU .1123 SGT 631.9 SGR 420.1 SG3 217.7 ST 187.3 SR 378.6 SS 144.4
 RDE -.5481 RRA .2106 RC3 .0690 FAU .10923 RRT -.3512 RRF -.4477 RTF .6500 CRT .1067 CRS .4777 CST -.8080
 FDE .1964 FRA -1.5641 FC3 -1.3553 BSP 1261 SGB 758.8 R23 .0968 R13 -.6842 LSA 385.7 MSA 224.0 SSA 18.8
 BOE .5515 BRA .8931 BC3 .1204 FSP -651 SGI 658.1 SG2 377.6 THA 160.04 EL1 379.3 EL2 185.9 ALF 86.02

LAUNCH DATE JAN 2 1966 FLIGHT TIME 72.00 ARRIVAL DATE MAR 15 1966

Heliocentric Conic
 RL 147.10 LAL .00 LOL 101.15 VL 30.055 GAL -15.49 AZL 87.22 HCA 102.02 SMA 147.27 ECC .26702 INC 2.7796 V1 30.287
 RP 107.98 LAP 2.72 LOP 203.19 VP 39.458 GAP -.68 AZP 90.58 TAL 254.75 TAP 356.78 RCA 107.95 APO 186.59 V2 35.095
 RC 76.070 GL 9.80 GP 12.80 ZAL 166.30 ZAP 81.17 ETS 355.57 ZAE 170.25 ETE 138.75 ZAC 35.78 ETC 170.95 CLP -80.94

Planetocentric Conic
 C3 68.053 VHL 8.249 DLA -12.14 RAL 290.94 RAD 6569.3 VEL 13.763 PTH 2.51 VHP 4.516 DPA -9.47 RAP 302.58 ECC 2.1200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 4 2131.01 -17.46 36.26 170.18 112.66 2 10 35 1531.0 -14.24 29.06
 90.00 10 25 19 5548.46 28.30 258.41 179.54 91.01 11 57 47 4948.5 28.14 249.75
 100.00 2 50 13 1888.59 -18.92 17.78 169.52 113.58 3 21 41 1288.6 -15.57 10.59
 100.00 11 52 52 5266.12 29.89 237.67 179.56 90.30 13 20 38 4666.1 29.61 228.87
 110.00 3 44 27 1718.73 -22.78 2.97 167.61 116.20 4 13 6 1118.7 -19.07 355.80
 110.00 13 15 7 5008.74 34.15 218.06 179.50 88.33 14 38 35 4408.7 33.54 208.87

Differential Corrections
 TOE -.0528 TRA -1.9343 TC3 -.1416 BAU .1477 SGT 704.6 SGR 424.9 SG3 228.0 ST 202.6 SR 376.3 SS 145.8
 RDE -.5376 RRA .2179 RC3 .0793 FAU .11324 RRT -.3996 RRF -.4794 RTF .7021 CRT .0579 CRS .4724 CST -.8388
 FDE .1940 FRA -1.6009 FC3 -1.4406 BSP 1545 SGB 822.8 R23 .0948 R13 -.7287 LSA 383.3 MSA 237.9 SSA 18.9
 BDE .5402 BRA .9594 BC3 .1623 FSP -684 SG1 732.6 SG2 374.6 THA 161.43 EL1 376.6 EL2 202.1 ALF 87.49

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966 FLIGHT TIME 74.00 ARRIVAL DATE MAR 17 1966

Heliocentric Conic
 RL 147.10 LAL .00 LOL 101.15 VL 30.004 GAL -15.31 AZL 87.30 HCA 105.24 SMA 146.78 ECC .26407 INC 2.6951 V1 30.287
 RP 108.02 LAP 2.60 LOP 206.41 VP 39.409 GAP -.11 AZP 90.71 TAL 254.23 TAP 359.47 RCA 108.02 APO 185.54 V2 35.082
 RC 78.316 GL 9.62 GP 13.18 ZAL 166.24 ZAP 86.06 ETS 356.59 ZAE 167.23 ETE 146.32 ZAC 34.00 ETC 171.54 CLP -85.95

Planetocentric Conic
 C3 66.362 VHL 8.146 DLA -12.29 RAL 291.24 RAD 6569.3 VEL 13.701 PTH 2.50 VHP 4.442 DPA -9.39 RAP 300.77 ECC 2.0922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 31 2120.08 -17.17 35.59 170.07 112.87 2 12 51 1520.1 -13.92 28.41
 90.00 10 25 17 5547.39 28.30 258.33 179.45 90.97 11 57 45 4947.4 28.14 249.67
 100.00 2 52 34 1877.94 -18.63 17.12 169.41 113.81 3 23 52 1277.9 -15.25 9.96
 100.00 11 52 55 5264.76 29.89 237.57 179.47 90.25 13 20 40 4664.8 29.61 228.77
 110.00 3 46 36 1708.70 -22.48 2.35 167.48 116.46 4 15 5 1108.7 -18.74 355.21
 110.00 13 15 22 5006.76 34.14 217.91 179.40 88.24 14 38 49 4406.8 33.52 208.72

Differential Corrections
 TOE -.0455 TRA -1.0033 TC3 -.1880 BAU .1849 SGT 785.2 SGR 428.8 SG3 237.1 ST 219.2 SR 372.2 SS 146.1
 RDE -.5246 RRA .2249 RC3 .0900 FAU .11662 RRT -.4456 RRF -.5092 RTF .7433 CRT .0154 CRS .4487 CST -.8735
 FDE .1778 FRA -1.6286 FC3 -1.5213 BSP 1850 SGB 894.6 R23 .0923 R13 -.7639 LSA 379.0 MSA 252.9 SSA 19.0
 BDE .5266 BRA 1.0282 BC3 .2084 FSP -733 SG1 814.5 SG2 370.1 THA 162.63 EL1 372.2 EL2 219.2 ALF 89.21

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966 FLIGHT TIME 76.00 ARRIVAL DATE MAR 19 1966

Heliocentric Conic
 RL 147.10 LAL .00 LOL 101.15 VL 29.948 GAL -15.13 AZL 87.39 HCA 108.45 SMA 146.24 ECC .26115 INC 2.6079 V1 30.287
 RP 108.06 LAP 2.47 LOP 209.62 VP 39.354 GAP .43 AZP 90.83 TAL 253.62 TAP 357.64 RCA 108.05 APO 184.42 V2 35.069
 RC 80.581 GL 9.41 GP 13.54 ZAL 166.14 ZAP 90.80 ETS 357.64 ZAE 164.16 ETE 151.01 ZAC 32.35 ETC 172.16 CLP -90.82

Planetocentric Conic
 C3 64.687 VHL 8.043 DLA -12.44 RAL 291.60 RAD 6569.2 VEL 13.640 PTH 2.49 VHP 4.394 DPA -9.29 RAP 299.10 ECC 2.0646
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 14 2108.77 -16.87 34.89 170.02 113.09 2 15 23 1508.8 -13.60 27.74
 90.00 10 25 25 5546.44 28.30 258.27 179.41 90.94 11 57 51 4946.4 28.13 249.60
 100.00 2 55 11 1866.95 -18.33 16.45 169.35 114.04 3 26 18 1266.9 -14.92 9.31
 100.00 11 53 9 5263.50 29.89 237.47 179.42 90.20 13 20 52 4663.5 29.60 228.68
 110.00 3 49 1 1698.36 -22.16 1.72 167.41 116.72 4 17 19 1098.4 -18.40 354.61
 110.00 13 15 48 5004.86 34.14 217.76 179.35 88.15 14 39 13 4404.9 33.51 208.57

Differential Corrections
 TOE -.0403 TRA -1.0750 TC3 -.2379 BAU .2232 SGT 873.1 SGR 431.7 SG3 242.8 ST 237.3 SR 367.5 SS 145.5
 RDE -.5109 RRA .2296 RC3 .1000 FAU .11826 RRT -.4840 RRF -.5375 RTF .7742 CRT -.0164 CRS .4444 CST -.8902
 FDE .1712 FRA -1.6237 FC3 -1.5827 BSP 2171 SGB 974.0 R23 .0945 R13 -.7906 LSA 374.8 MSA 267.7 SSA 19.1
 BDE .5125 BRA 1.0993 BC3 .2581 FSP -747 SG1 902.9 SG2 365.3 THA 163.82 EL1 367.5 EL2 237.2 ALF 91.04

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966 FLIGHT TIME 78.00 ARRIVAL DATE MAR 21 1966

Heliocentric Conic
 RL 147.10 LAL .00 LOL 101.15 VL 29.887 GAL -14.96 AZL 87.48 HCA 111.66 SMA 145.65 ECC .25828 INC 2.5176 V1 30.287
 RP 108.10 LAP 2.34 LOP 212.83 VP 39.296 GAP .94 AZP 90.93 TAL 252.91 TAP 357.91 RCA 108.03 APO 183.27 V2 35.056
 RC 82.862 GL 9.19 GP 13.89 ZAL 166.01 ZAP 95.36 ETS 358.71 ZAE 161.15 ETE 154.16 ZAC 30.88 ETC 172.80 CLP -95.52

Planetocentric Conic
 C3 63.026 VHL 7.939 DLA -12.60 RAL 292.00 RAD 6569.2 VEL 13.579 PTH 2.48 VHP 4.369 DPA -9.16 RAP 297.60 ECC 2.0372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 14 2096.99 -16.55 34.17 170.00 113.31 2 18 11 1497.0 -13.26 27.04
 90.00 10 25 39 5545.69 28.30 258.21 179.41 90.91 11 58 5 4945.7 28.13 249.55
 100.00 2 58 5 1855.50 -18.01 15.75 169.33 114.27 3 29 1 1255.5 -14.58 8.63
 100.00 11 53 29 5262.42 29.89 237.39 179.43 90.16 13 21 12 4662.4 29.59 228.60
 110.00 3 51 42 1687.60 -21.83 1.06 167.38 116.98 4 19 50 1087.6 -18.04 355.98
 110.00 13 16 22 5003.08 34.14 217.62 179.35 88.07 14 39 45 4403.1 33.49 208.44

Differential Corrections
 TOE -.0368 TRA -1.1477 TC3 -.2906 BAU .2619 SGT 966.5 SGR 433.6 SG3 246.9 ST 256.4 SR 361.0 SS 144.1
 RDE -.4950 RRA .2334 RC3 .1101 FAU .11906 RRT -.5195 RRF -.5642 RTF .7980 CRT -.0406 CRS .4273 CST -.9081
 FDE .1552 FRA -1.6073 FC3 -1.6355 BSP 2510 SGB 1059.3 R23 .0969 R13 -.8112 LSA 369.3 MSA 283.1 SSA 19.2
 BDE .4964 BRA 1.1712 BC3 .3108 FSP -768 SG1 996.5 SG2 359.4 THA 164.87 EL1 361.3 EL2 256.0 ALF 93.32

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 245.526

RL 147.10 LAL .00 LOL 101.15 VL 29.822 GAL -14.78 AZL 87.58 HCA 114.87 SMA 145.02 ECC .25544 INC 2.4232 V1 30.287
 RP 108.14 LAP 2.20 LOP 216.04 VP 39.234 GAP 1.42 A7P 91.02 TAL 252.12 TAP 6.99 RCA 107.98 APO 182.07 V2 35.043
 RC 85.157 GL 8.95 GP 14.23 ZAL 165.84 ZAP 99.71 ETS 359.81 ZAE 158.25 ETE 156.39 ZAC 29.61 ETC 173.48 CLP-100.02

PLANETOCENTRIC CONIC

C3 61.371 VHL 7.834 DLA -12.78 RAL 292.46 RAD 6569.1 VEL 13.518 PTH 2.47 VHP 4.364 DPA -9.00 RAP 296.30 ECC 2.0100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 33 2084.61 -16.22 33.42 170.02 113.53 2 21 18 1484.6 -12.90 26.31
 90.00 10 25 59 5545.20 28.30 258.17 179.45 90.89 11 58 24 4945.2 28.13 249.51
 100.00 3 1 18 1843.47 -17.67 15.01 169.35 114.51 3 32 1 1243.5 -14.21 7.92
 100.00 11 53 55 5261.57 29.89 237.33 179.47 90.12 13 21 37 4661.6 29.59 228.54
 110.00 3 54 40 1676.33 -21.48 .37 167.38 117.25 4 22 36 1076.3 -17.66 353.33
 110.00 13 17 3 5001.47 34.13 217.50 179.39 88.00 14 40 24 4401.5 33.48 208.31

DIFFERENTIAL CORRECTIONS

TOE -.0356 TRA-1.2205 TC3 -.3457 BAU .3002
 RDE -.4779 RRA .2356 RC3 .1199 FAU .11865
 FDE .1414 FRA-1.5705 FC3-1.6738 BSP 2850
 BDE .4793 BRA 1.2430 BC3 .3659 FSP -771

MID-COURSE EXECUTION ACCURACY

SGT 1063.9 SGR 434.4 SG3 248.5
 RRT -.5505 RRF -.5897 RTF .8155
 SGB 1149.1 R23 .1019 R13 -.8265
 SG1 1093.6 SG2 352.8 THA 165.83

ORBIT DETERMINATION ACCURACY

ST 276.3 SR 353.6 SS 141.9
 CRT -.0568 CRS .4156 CST -.9192
 LSA 363.7 MSA 298.1 SSA 19.2
 EL1 354.5 EL2 275.2 ALF 96.42

LAUNCH DATE JAN 2 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 251.744

RL 147.10 LAL .00 LOL 101.15 VL 29.752 GAL -14.60 AZL 87.68 HCA 118.08 SMA 144.37 ECC .25265 INC 2.3239 V1 30.287
 RP 108.18 LAP 2.05 LOP 219.25 VP 39.170 GAP 1.88 A7P 91.09 TAL 251.25 TAP 9.33 RCA 107.89 APO 180.84 V2 35.030
 RC 87.465 GL 8.69 GP 14.57 ZAL 165.65 ZAP 103.83 ETS .95 ZAE 155.48 ETE 158.01 ZAC 28.56 ETC 174.20 CLP-104.30

PLANETOCENTRIC CONIC

C3 59.721 VHL 7.728 DLA -12.97 RAL 292.96 RAD 6569.1 VEL 13.457 PTH 2.46 VHP 4.376 DPA -8.80 RAP 295.21 ECC 1.9829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 12 2071.48 -15.86 32.62 170.08 113.77 2 24 43 1471.5 -12.51 25.54
 90.00 10 26 21 5545.08 28.30 258.17 179.54 90.89 11 58 46 4945.1 28.13 249.50
 100.00 3 4 49 1830.73 -17.31 14.24 169.40 114.76 3 35 19 1230.7 -13.82 7.18
 100.00 11 54 25 5261.05 29.89 237.29 179.55 90.10 13 22 6 4661.1 29.59 228.50
 110.00 3 57 55 1664.42 -21.11 359.65 167.43 117.53 4 25 39 1064.4 -17.26 352.64
 110.00 13 17 48 5000.13 34.13 217.39 179.47 87.94 14 41 8 4400.1 33.47 208.21

DIFFERENTIAL CORRECTIONS

TOE -.0370 TRA-1.2927 TC3 -.4030 BAU .3381
 RDE -.4589 RRA .2369 RC3 .1299 FAU .11756
 FDE .1211 FRA-1.5249 FC3-1.7042 BSP 3205
 BDE .4604 BRA 1.3143 BC3 .4234 FSP -778

MID-COURSE EXECUTION ACCURACY

SGT 1164.5 SGR 434.2 SG3 248.8
 RRT -.5794 RRF -.6146 RTF .8288
 SGB 1242.9 R23 .1078 R13 -.8381
 SG1 1194.0 SG2 345.2 THA 166.67

ORBIT DETERMINATION ACCURACY

ST 296.9 SR 344.6 SS 139.2
 CRT -.0657 CRS .3932 CST -.9307
 LSA 358.6 MSA 311.9 SSA 19.3
 EL1 346.6 EL2 294.5 ALF 101.87

LAUNCH DATE JAN 2 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 257.924

RL 147.10 LAL .00 LOL 101.15 VL 29.679 GAL -14.41 AZL 87.78 HCA 121.28 SMA 143.69 ECC .24990 INC 2.2185 V1 30.287
 RP 108.22 LAP 1.90 LOP 222.45 VP 39.102 GAP 2.31 A7P 91.15 TAL 250.32 TAP 11.60 RCA 107.78 APO 179.60 V2 35.016
 RC 89.783 GL 8.40 GP 14.92 ZAL 165.41 ZAP 107.71 ETS 2.13 ZAE 152.88 ETE 159.20 ZAC 27.73 ETC 174.98 CLP-108.35

PLANETOCENTRIC CONIC

C3 58.072 VHL 7.620 DLA -13.18 RAL 293.51 RAD 6569.1 VEL 13.395 PTH 2.45 VHP 4.403 DPA -8.54 RAP 294.35 ECC 1.9557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 12 2057.42 -15.47 31.77 170.18 114.02 2 28 30 1457.4 -12.10 24.72
 90.00 10 26 43 5545.46 28.30 258.19 179.66 90.90 11 59 9 4945.5 28.13 249.53
 100.00 3 8 41 1817.12 -16.92 13.42 169.49 115.02 3 38 58 1217.1 -13.40 6.38
 100.00 11 54 55 5260.99 29.89 237.29 179.67 90.10 13 22 36 4661.0 29.59 228.49
 110.00 4 1 29 1651.73 -20.71 358.88 167.50 117.82 4 29 1 1051.7 -16.82 351.91
 110.00 13 18 36 4999.15 34.13 217.31 179.59 87.89 14 41 56 4399.1 33.46 208.14

DIFFERENTIAL CORRECTIONS

TOE -.0414 TRA-1.3636 TC3 -.4625 BAU .3752
 RDE -.4385 RRA .2370 RC3 .1400 FAU .11573
 FDE .0991 FRA-1.4684 FC3-1.7253 BSP 3567
 BDE .4404 BRA 1.3840 BC3 .4832 FSP -779

MID-COURSE EXECUTION ACCURACY

SGT 1267.5 SGR 433.3 SG3 247.5
 RRT -.6061 RRF -.6391 RTF .8387
 SGB 1339.5 R23 .1155 R13 -.8468
 SG1 1296.5 SG2 336.9 THA 167.43

ORBIT DETERMINATION ACCURACY

ST 318.1 SR 334.3 SS 135.8
 CRT -.0678 CRS .3664 CST -.9403
 LSA 358.6 MSA 320.0 SSA 19.4
 EL1 339.7 EL2 312.3 ALF 116.92

LAUNCH DATE JAN 2 1966

FLIGHT TIME 86.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 264.067

RL 147.10 LAL .00 LOL 101.15 VL 29.603 GAL -14.22 AZL 87.89 HCA 124.48 SMA 142.99 ECC .24719 INC 2.1058 V1 30.287
 RP 108.26 LAP 1.74 LOP 225.65 VP 39.033 GAP 2.72 A7P 91.19 TAL 249.32 TAP 13.80 RCA 107.65 APO 178.34 V2 35.003
 RC 92.112 GL 8.07 GP 15.31 ZAL 165.15 ZAP 111.34 ETS 3.36 ZAE 150.44 ETE 160.06 ZAC 27.12 ETC 175.82 CLP-112.16

PLANETOCENTRIC CONIC

C3 56.422 VHL 7.511 DLA -13.42 RAL 294.11 RAD 6569.0 VEL 13.333 PTH 2.44 VHP 4.443 DPA -8.23 RAP 293.70 ECC 1.9286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 38 2042.22 -15.05 30.85 170.31 114.27 2 32 40 1442.2 -11.64 23.83
 90.00 10 27 2 5546.53 28.30 258.27 179.82 90.94 11 59 29 4946.5 28.13 249.61
 100.00 3 12 57 1802.42 -16.49 12.53 169.62 115.29 3 43 0 1202.4 -12.95 5.53
 100.00 11 55 24 5261.56 29.89 237.33 179.84 90.12 13 23 5 4661.6 29.59 228.54
 110.00 4 5 25 1638.08 -20.27 358.06 167.61 118.13 4 32 43 1038.1 -16.35 351.13
 110.00 13 19 25 4998.66 34.12 217.28 179.75 87.87 14 42 44 4398.7 33.45 208.10

DIFFERENTIAL CORRECTIONS

TOE -.0485 TRA-1.4318 TC3 -.5237 BAU .4109
 RDE -.4170 RRA .2357 RC3 .1501 FAU .11311
 FDE .0793 FRA-1.3999 FC3-1.7356 BSP 3916
 BDE .4198 BRA 1.4510 BC3 .5447 FSP -767

MID-COURSE EXECUTION ACCURACY

SGT 1371.4 SGR 431.5 SG3 244.5
 RRT -.6305 RRF -.6634 RTF .8456
 SGB 1437.7 R23 .1260 R13 -.8528
 SG1 1399.8 SG2 328.1 THA 168.12

ORBIT DETERMINATION ACCURACY

ST 339.7 SR 323.0 SS 132.0
 CRT -.0643 CRS .3424 CST -.9464
 LSA 368.4 MSA 317.8 SSA 19.4
 EL1 344.7 EL2 317.6 ALF 154.05

LAUNCH DATE JAN 2 1966 FLIGHT TIME 88.00 ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 29.524 GAL -14.02 AZL 88.02 MCA 127.68 SMA 142.28 ECC .24453 INC 1.9841 V1 30.287
 RP 108.31 LAP 1.57 LOP 228.85 VP 38.961 GAP 3.11 AZP 91.21 TAL 248.26 TAP 15.94 RCA 107.49 APO 177.07 V2 34.990
 RC 94.449 GL 7.70 GP 15.75 ZAL 164.85 ZAP 114.72 ETS 4.66 ZAE 148.17 ETE 160.64 ZAC 26.74 ETC 176.75 CLP -115.75

PLANETOCENTRIC CONIC
 C3 54.772 VML 7.401 DLA -13.68 RAL 294.75 RAD 6569.0 VEL 13.271 PTH 2.42 VHP 4.494 DPA -7.84 RAP 293.28 ECC 1.9014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 32 2025.60 -14.58 29.86 170.48 114.55 2 37 18 1425.6 -11.15 22.86
 90.00 10 27 14 5548.52 28.30 258.42 180.02 91.02 11 59 43 4948.5 28.14 249.76
 100.00 3 17 41 1786.39 -16.02 11.57 169.78 115.58 3 47 27 1186.4 -12.45 4.60
 100.00 11 55 47 5262.98 29.89 237.43 180.04 90.18 13 23 30 4663.0 29.60 228.64
 110.00 4 9 46 1623.26 -19.79 357.18 167.76 118.45 4 36 49 1023.3 -15.84 350.29
 110.00 13 20 11 4998.87 34.13 217.29 179.96 87.88 14 43 30 4398.9 33.45 208.11

MID-COURSE EXECUTION ACCURACY
 SGT 1477.0 SGR 429.4 SG3 240.9
 RRT -.6544 RRF -.6884 RTF .8508
 SGB 1538.2 R23 -.1380 R13 -.8573
 SG1 1504.8 SG2 318.7 TMA 168.72

ORBIT DETERMINATION ACCURACY
 ST 361.9 SR 310.1 SS 128.0
 CRT -.0541 CRS .3030 CST -.9542
 LSA 384.5 MSA 308.7 SSA 19.5
 EL1 363.3 EL2 308.4 ALF 170.39

DIFFERENTIAL CORRECTIONS
 TOE -.0597 TRA-1.4976 TC3 -.5873 BAU .4459
 RDE -.3939 RRA .2336 RC3 .1609 FAU .11023
 FDE .0537 FRA-1.3293 FC3-1.7423 BSP 4280
 BDE .3984 BRA 1.5157 BC3 .6089 FSP -759

LAUNCH DATE JAN 2 1966 FLIGHT TIME 90.00 ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 29.443 GAL -13.82 AZL 88.15 MCA 130.88 SMA 141.56 ECC .24193 INC 1.8516 V1 30.287
 RP 108.35 LAP 1.40 LOP 232.04 VP 38.888 GAP 3.48 AZP 91.21 TAL 247.14 TAP 18.01 RCA 107.31 APO 175.80 V2 34.977
 RC 96.794 GL 7.28 GP 16.24 ZAL 164.52 ZAP 117.85 ETS 6.04 ZAE 146.06 ETE 161.00 ZAC 26.58 ETC 177.77 CLP -119.12

PLANETOCENTRIC CONIC
 C3 53.122 VML 7.288 DLA -13.99 RAL 295.43 RAD 6568.9 VEL 13.209 PTH 2.41 VHP 4.554 DPA -7.37 RAP 293.06 ECC 1.8743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 1 2007.24 -14.06 28.76 170.68 114.84 2 42 28 1407.2 -10.59 21.80
 90.00 10 27 14 5551.76 28.30 258.65 180.28 91.13 11 59 46 4951.8 28.15 249.99
 100.00 3 22 57 1768.71 -15.50 10.52 169.97 115.88 3 52 26 1168.7 -11.89 3.59
 100.00 11 56 0 5265.53 29.89 237.62 180.30 90.28 13 23 45 4665.5 29.61 228.83
 110.00 4 14 35 1606.98 -19.26 356.21 167.93 118.80 4 41 22 1007.0 -15.27 349.37
 110.00 13 20 51 5000.01 34.13 217.38 180.22 87.93 14 44 11 4400.0 33.46 208.20

MID-COURSE EXECUTION ACCURACY
 SGT 1583.5 SGR 427.2 SG3 236.6
 RRT -.6775 RRF -.7140 RTF .8544
 SGB 1640.1 R23 -.1525 R13 -.8605
 SG1 1610.8 SG2 308.8 TMA 169.24

ORBIT DETERMINATION ACCURACY
 ST 384.8 SR 295.9 SS 124.0
 CRT -.0380 CRS .2539 CST -.9618
 LSA 403.8 MSA 296.0 SSA 19.6
 EL1 385.2 EL2 295.4 ALF 175.93

DIFFERENTIAL CORRECTIONS
 TOE -.0750 TRA-1.5601 TC3 -.6532 BAU .4798
 RDE -.3695 RRA .2305 RC3 .1725 FAU .10701
 FDE .0263 FRA-1.2552 FC3-1.7440 BSP 4651
 BDE .3770 BRA 1.5771 BC3 .6756 FSP -750

LAUNCH DATE JAN 2 1966 FLIGHT TIME 92.00 ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 29.361 GAL -13.62 AZL 88.29 MCA 134.07 SMA 140.83 ECC .23938 INC 1.7058 V1 30.287
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.814 GAP 3.83 AZP 91.19 TAL 245.97 TAP 20.04 RCA 107.12 APO 174.54 V2 34.964
 RC 99.145 GL 6.80 GP 16.81 ZAL 164.16 ZAP 120.74 ETS 7.53 ZAE 144.09 ETE 161.16 ZAC 26.62 ETC 178.90 CLP -122.28

PLANETOCENTRIC CONIC
 C3 51.473 VML 7.174 DLA -14.36 RAL 296.17 RAD 6568.9 VEL 13.147 PTH 2.40 VHP 4.623 DPA -6.80 RAP 293.03 ECC 1.8471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 15 12 1986.69 -13.47 27.54 170.92 115.15 2 48 18 1386.7 -9.97 20.61
 90.00 10 26 56 5556.67 28.29 259.01 180.58 91.31 11 59 33 4956.7 28.17 250.35
 100.00 3 28 52 1748.97 -14.91 9.35 170.21 116.21 3 58 1 1149.0 -11.27 2.45
 100.00 11 55 57 5269.62 29.89 237.93 180.61 90.44 13 23 46 4669.6 29.63 229.13
 110.00 4 19 58 1588.94 -18.67 355.15 168.15 119.17 4 46 27 988.9 -14.64 348.35
 110.00 13 21 21 5002.41 34.13 217.57 180.54 88.04 14 44 43 4402.4 33.49 208.39

MID-COURSE EXECUTION ACCURACY
 SGT 1690.7 SGR 425.1 SG3 231.7
 RRT -.7000 RRF -.7404 RTF .8569
 SGB 1743.3 R23 .1697 R13 -.8627
 SG1 1717.5 SG2 298.8 TMA 169.70

ORBIT DETERMINATION ACCURACY
 ST 408.6 SR 280.4 SS 120.2
 CRT -.0162 CRS .1926 CST -.9692
 LSA 425.1 MSA 280.9 SSA 19.7
 EL1 408.6 EL2 280.3 ALF 178.79

DIFFERENTIAL CORRECTIONS
 TOE -.0949 TRA-1.6186 TC3 -.7217 BAU .5127
 RDE -.3439 RRA .2264 RC3 .1850 FAU .10355
 FDE -.0030 FRA-1.1784 FC3-1.7417 BSP 5023
 BDE .3567 BRA 1.6343 BC3 .7450 FSP -738

LAUNCH DATE JAN 2 1966 FLIGHT TIME 94.00 ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 29.277 GAL -13.41 AZL 88.46 MCA 137.26 SMA 140.10 ECC .23688 INC 1.5434 V1 30.287
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.739 GAP 4.16 AZP 91.13 TAL 244.76 TAP 22.01 RCA 106.91 APO 173.29 V2 34.951
 RC 101.502 GL 6.24 GP 17.49 ZAL 163.77 ZAP 123.39 ETS 9.17 ZAE 142.25 ETE 161.12 ZAC 26.87 ETC 180.15 CLP -125.24

PLANETOCENTRIC CONIC
 C3 49.825 VML 7.059 DLA -14.79 RAL 296.96 RAD 6568.8 VEL 13.084 PTH 2.39 VHP 4.700 DPA -6.10 RAP 293.18 ECC 1.8200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 14 1963.36 -12.79 26.17 171.21 115.48 2 54 57 1363.4 -9.25 19.27
 90.00 10 26 12 5563.80 28.28 259.53 180.95 91.58 11 58 56 4963.8 28.20 250.87
 100.00 3 35 36 1726.63 -14.23 8.04 170.48 116.57 4 4 23 1126.6 -10.55 1.18
 100.00 11 55 31 5275.76 29.89 238.38 180.98 90.68 13 23 27 4675.8 29.66 229.59
 110.00 4 26 2 1568.65 -17.99 353.97 168.40 119.57 4 52 11 968.7 -13.92 347.22
 110.00 13 21 34 5006.51 34.14 217.89 180.93 88.23 14 45 1 4406.5 33.52 208.70

MID-COURSE EXECUTION ACCURACY
 SGT 1796.8 SGR 423.1 SG3 225.8
 RRT -.7208 RRF -.7672 RTF .8579
 SGB 1845.9 R23 .1910 R13 -.8635
 SG1 1823.2 SG2 289.1 TMA 170.12

ORBIT DETERMINATION ACCURACY
 ST 433.1 SR 263.8 SS 116.3
 CRT .0103 CRS .1267 CST -.9747
 LSA 447.8 MSA 264.3 SSA 19.9
 EL1 433.1 EL2 263.8 ALF .57

DIFFERENTIAL CORRECTIONS
 TOE -.1188 TRA-1.6712 TC3 -.7922 BAU .5440
 RDE -.3175 RRA .2207 RC3 .1982 FAU .09970
 FDE -.0305 FRA-1.0952 FC3-1.7324 BSP 5366
 BDE .3390 BRA 1.6857 BC3 .8166 FSP -715

LAUNCH DATE JAN 2 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 294.323

RL 147.10 LAL .00 LOL 101.15 VL 29.192 GAL -13.19 AZL 88.64 HCA 140.45 SMA 139.37 ECC .23446 INC 1.3604 VI 30.287
 RP 108.46 LAP .87 LOP 241.60 VP 38.664 GAP 4.48 ATP 91.05 TAL 243.49 TAP 23.94 RCA 106.69 APO 172.04 V2 34.939
 RC 103.862 GL 5.58 GP 18.29 ZAL 163.33 ZAP 125.79 ETS 10.97 ZAE 140.52 ETE 160.89 ZAC 27.31 ETC 181.55 CLP-128.02

PLANETOCENTRIC CONIC

C3 48.183 VHL 6.941 DLA -15.31 RAL 297.81 RAD 6568.8 VEL 13.021 PTH 2.38 VHP 4.784 DPA -5.25 RAP 293.47 ECC 1.7930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 22 1936.46 -11.99 24.59 171.56 115.84 3 2 38 1336.5 -8.42 17.73
 90.00 10 24 50 5573.96 28.26 260.28 181.39 91.95 11 57 44 4974.0 28.23 251.61
 100.00 3 43 21 1700.97 -13.45 6.54 170.82 116.95 4 11 42 1101.0 -9.73 359.72
 100.00 11 54 32 5284.68 29.88 239.05 181.44 91.03 13 22 37 4684.7 29.70 230.25
 110.00 4 32 58 1545.52 -17.21 352.63 168.71 120.00 4 58 44 945.5 -13.09 345.94
 110.00 13 21 24 5012.90 34.16 218.39 181.42 88.53 14 44 57 4412.9 33.57 209.19

DIFFERENTIAL CORRECTIONS

TOE -.1500 TRA-1.7192 TC3 -.8666 BAU .5749
 ROE -.2895 RRA .2143 RC3 .2132 FAU .09590
 FDE -.0650 FRA-1.0153 FC3-1.7231 BSP 5741
 BDE .3260 BRA 1.7326 BC3 .8924 FSP -700

MID-COURSE EXECUTION ACCURACY

SGT 1904.6 SGR 422.3 SG3 219.9
 RRT -.7415 RRF -.7950 RTF .8586
 SGB 1950.9 R23 .2150 R13 -.8641
 SG1 1930.7 SG2 279.5 TMA 170.46

ORBIT DETERMINATION ACCURACY

ST 459.8 SR 245.4 SS 113.9
 CRT .0441 CRS .0320 CST -.9806
 LSA 473.4 MSA 245.2 SSA 20.0
 EL1 460.0 EL2 245.0 ALF 1.88

LAUNCH DATE JAN 2 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 300.296

RL 147.10 LAL .00 LOL 101.15 VL 29.106 GAL -12.97 AZL 88.85 HCA 143.63 SMA 138.64 ECC .23210 INC 1.1510 VI 30.287
 RP 108.50 LAP .68 LOP 244.79 VP 38.588 GAP 4.78 ATP 90.93 TAL 242.19 TAP 25.82 RCA 106.46 APO 170.82 V2 34.926
 RC 106.225 GL 4.79 GP 19.26 ZAL 162.86 ZAP 127.93 ETS 13.00 ZAE 138.88 ETE 160.47 ZAC 27.94 ETC 183.12 CLP-130.63

PLANETOCENTRIC CONIC

C3 46.551 VHL 6.823 DLA -15.94 RAL 298.72 RAD 6568.7 VEL 12.958 PTH 2.36 VHP 4.878 DPA -4.23 RAP 293.90 ECC 1.7661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 55 1904.90 -11.05 22.75 171.99 116.24 3 11 40 1304.9 -7.44 15.94
 90.00 10 22 34 5588.26 28.22 261.32 181.93 92.47 11 55 43 4988.3 28.26 252.66
 100.00 3 52 25 1670.99 -12.52 4.80 171.23 117.37 4 20 16 1071.0 -8.75 358.03
 100.00 11 52 46 5297.40 29.86 239.99 181.99 91.52 13 21 3 4697.4 29.75 231.19
 110.00 4 41 1 1518.73 -16.29 351.10 169.08 120.48 5 6 20 918.7 -12.12 344.47
 110.00 13 20 39 5022.42 34.17 219.13 182.01 88.96 14 44 21 4422.4 33.65 209.93

DIFFERENTIAL CORRECTIONS

TOE -.1886 TRA-1.7608 TC3 -.9446 BAU .6051
 ROE -.2600 RRA .2066 RC3 .2301 FAU .09199
 FDE -.1031 FRA -.9346 FC3-1.7107 BSP 6114
 BDE .3213 BRA 1.7729 BC3 .9722 FSP -683

MID-COURSE EXECUTION ACCURACY

SGT 2012.8 SGR 422.9 SG3 213.8
 RRT -.7608 RRF -.8231 RTF .8589
 SGB 2056.7 R23 .2427 R13 -.8644
 SG1 2038.8 SG2 270.9 TMA 170.75

ORBIT DETERMINATION ACCURACY

ST 489.3 SR 225.2 SS 113.4
 CRT .0840 CRS -.0823 CST -.9830
 LSA 502.3 MSA 224.2 SSA 20.3
 EL1 489.8 EL2 224.2 ALF 2.80

LAUNCH DATE JAN 2 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 306.246

RL 147.10 LAL .00 LOL 101.15 VL 29.020 GAL -12.74 AZL 89.09 HCA 146.82 SMA 137.92 ECC .22982 INC .9075 VI 30.287
 RP 108.54 LAP .50 LOP 247.97 VP 38.512 GAP 5.07 ATP 90.76 TAL 240.85 TAP 27.67 RCA 106.22 APO 169.61 V2 34.914
 RC 108.588 GL 3.84 GP 20.43 ZAL 162.33 ZAP 129.81 ETS 15.29 ZAE 137.29 ETE 159.83 ZAC 28.75 ETC 184.89 CLP-133.10

PLANETOCENTRIC CONIC

C3 44.934 VHL 6.703 DLA -16.72 RAL 299.72 RAD 6568.7 VEL 12.896 PTH 2.35 VHP 4.981 DPA -2.99 RAP 294.43 ECC 1.7395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 24 1867.07 -9.90 20.56 172.52 116.66 3 22 31 1267.1 -6.25 13.79
 90.00 10 19 1 5608.33 28.15 262.79 182.58 93.20 11 52 29 5008.3 28.30 254.12
 100.00 4 3 15 1635.23 -11.39 2.74 171.74 117.83 4 30 30 1035.2 -7.58 356.03
 100.00 11 49 51 5315.40 29.82 241.33 182.67 92.23 13 18 27 4715.4 29.81 232.52
 110.00 4 50 32 1487.11 -15.19 349.31 169.54 121.00 5 15 19 887.1 -10.97 342.75
 110.00 13 19 4 5036.28 34.18 220.21 182.76 89.61 14 43 0 4436.3 33.75 211.00

DIFFERENTIAL CORRECTIONS

TOE -.2354 TRA-1.7933 TC3-1.0254 BAU .6338
 ROE -.2295 RRA .1968 RC3 .2486 FAU .08777
 FDE -.1422 FRA -.8490 FC3-1.6910 BSP 6458
 BDE .3288 BRA 1.8040 BC3 1.0551 FSP -658

MID-COURSE EXECUTION ACCURACY

SGT 2119.4 SGR 424.7 SG3 206.8
 RRT -.7773 RRF -.8507 RTF .8583
 SGB 2161.5 R23 .2750 R13 -.8638
 SG1 2145.3 SG2 263.9 TMA 171.01

ORBIT DETERMINATION ACCURACY

ST 522.2 SR 203.3 SS 114.7
 CRT .1296 CRS -.2064 CST -.9798
 LSA 535.0 MSA 201.4 SSA 20.6
 EL1 523.0 EL2 201.3 ALF 3.39

LAUNCH DATE JAN 2 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 312.175

RL 147.10 LAL .00 LOL 101.15 VL 28.933 GAL -12.50 AZL 89.38 HCA 150.00 SMA 137.20 ECC .22761 INC .6193 VI 30.287
 RP 108.58 LAP .31 LOP 251.15 VP 38.436 GAP 5.34 ATP 90.54 TAL 239.47 TAP 29.47 RCA 105.97 APO 168.43 V2 34.903
 RC 110.951 GL 2.66 GP 21.87 ZAL 161.73 ZAP 131.39 ETS 17.92 ZAE 135.71 ETE 158.97 ZAC 29.75 ETC 186.91 CLP-135.43

PLANETOCENTRIC CONIC

C3 43.344 VHL 6.584 DLA -17.71 RAL 300.81 RAD 6568.6 VEL 12.834 PTH 2.34 VHP 5.098 DPA -1.46 RAP 295.03 ECC 1.7133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 33 1820.56 -8.47 17.90 173.21 117.12 3 35 54 1220.6 -4.77 11.17
 90.00 10 13 33 5636.71 28.03 264.85 183.40 94.23 11 47 30 5036.7 28.32 256.20
 100.00 4 16 32 1591.55 -9.99 .26 172.40 118.32 4 43 3 991.5 -6.13 353.60
 100.00 11 45 16 5340.95 29.73 243.22 183.52 93.22 13 14 17 4741.0 29.86 234.42
 110.00 5 2 2 1448.99 -13.84 347.18 170.13 121.57 5 26 11 849.0 -9.57 340.69
 110.00 13 16 15 5056.28 34.18 221.78 183.70 90.53 14 40 31 4456.3 33.88 212.54

DIFFERENTIAL CORRECTIONS

TOE -.2956 TRA-1.8177 TC3-1.1113 BAU .6627
 ROE -.1964 RRA .1855 RC3 .2701 FAU .08354
 FDE -.1908 FRA -.7660 FC3-1.6687 BSP 6837
 BDE .3549 BRA 1.8271 BC3 1.1436 FSP -638

MID-COURSE EXECUTION ACCURACY

SGT 2228.2 SGR 429.5 SG3 199.8
 RRT -.7919 RRF -.8780 RTF .8580
 SGB 2269.2 R23 .3097 R13 -.8636
 SG1 2254.4 SG2 259.2 TMA 171.20

ORBIT DETERMINATION ACCURACY

ST 562.4 SR 178.6 SS 121.4
 CRT .1810 CRS -.3454 CST -.9688
 LSA 575.7 MSA 176.3 SSA 21.0
 EL1 563.4 EL2 175.4 ALF 3.64

LAUNCH DATE JAN 2 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 318.084

RL 147.10 LAL .00 LOL 101.15 VL 28.846 GAL -12.26 AZL 89.73 HCA 153.17 SMA 136.49 ECC .22548 INC .2699 V1 30.287
 RP 108.61 LAP .12 LOP 254.32 VP 38.361 GAP 5.60 AZP 90.24 TAL 238.06 TAP 31.23 RCA 105.71 APO 167.27 V2 34.892
 RC 115.313 GL 1.18 GP 23.65 ZAL 161.02 ZAP 132.61 ETS 20.97 ZAE 134.08 ETE 157.85 ZAC 30.96 ETC 189.25 CLP-137.66

PLANETOCENTRIC CONIC

C3 41.800 VHL 6.465 DLA -18.98 RAL 302.02 RAD 6568.6 VEL 12.774 PTH 2.32 VHP 5.233 OPA .42 RAP 295.67 ECC 1.6879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 39 1761.46 -6.62 14.54 174.14 117.59 3 53 1 1161.5 -2.88 7.86
 90.00 10 5 8 5677.93 27.78 267.81 184.42 95.70 11 39 45 5077.5 28.28 259.18
 100.00 4 33 21 1536.53 -8.20 357.16 173.29 118.85 4 58 58 936.5 -4.28 350.55
 100.00 11 38 7 5377.69 29.56 245.94 184.60 94.64 13 7 45 4777.7 29.89 237.15
 110.00 5 16 22 1401.77 -12.14 344.57 170.92 122.20 5 39 44 801.8 -7.81 358.16
 110.00 13 11 36 5085.22 34.14 224.04 184.91 91.87 14 36 21 4485.2 34.02 214.79

DIFFERENTIAL CORRECTIONS

TDE -.3722 TRA-1.8301 TC3-1.2010 BAU .6911
 RDE -.1605 RRA .1715 RC3 .2947 FAU .07909
 FDE -.2473 FRA -.6806 FC3-1.6380 BSP 7215
 BDE .4053 BRA 1.8381 BC3 1.2366 FSP -617

MID-COURSE EXECUTION ACCURACY

SGT 2337.1 SGR 437.3 SG3 192.0
 RRT -.8028 RRF -.9036 RTF .8577
 SGB 2377.7 R23 .3464 R13 -.8635
 SG1 2363.7 SG2 257.8 THA 171.35

ORBIT DETERMINATION ACCURACY

ST 612.9 SR 150.6 SS 134.7
 CRT .2336 CRS -.4730 CST -.9516
 LSA 627.4 MSA 149.8 SSA 21.3
 EL1 614.0 EL2 146.2 ALF 3.48

LAUNCH DATE JAN 2 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 323.976

RL 147.10 LAL .00 LOL 101.15 VL 28.759 GAL -12.01 AZL 90.17 HCA 156.35 SMA 135.79 ECC .22343 INC .1633 V1 30.287
 RP 108.64 LAP -.07 LOP 257.50 VP 38.285 GAP 5.84 AZP 89.85 TAL 236.61 TAP 32.96 RCA 105.45 APO 166.13 V2 34.881
 RC 115.673 GL -.73 GP 25.88 ZAL 160.13 ZAP 133.41 ETS 24.54 ZAE 132.33 ETE 156.43 ZAC 32.39 ETC 191.99 CLP-139.80

PLANETOCENTRIC CONIC

C3 40.340 VHL 6.351 DLA -20.65 RAL 303.40 RAD 6568.6 VEL 12.716 PTH 2.31 VHP 5.396 OPA 2.77 RAP 296.28 ECC 1.6639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 59 1682.86 -4.12 10.11 175.48 118.04 4 16 2 1082.9 -3.48 3.48
 90.00 9 51 50 5738.18 27.30 272.19 185.71 97.84 11 27 28 5138.2 28.10 263.61
 100.00 4 55 41 1464.34 -5.80 353.13 174.56 119.37 5 20 6 864.3 -1.85 346.58
 100.00 11 26 48 5431.93 29.20 249.93 185.99 96.71 12 57 20 4831.9 29.82 241.18
 110.00 5 34 58 1341.27 -9.93 341.29 172.05 122.88 5 57 19 741.3 -5.53 334.96
 110.00 13 4 2 5127.77 33.99 227.35 186.50 93.82 14 29 29 4527.8 34.15 218.11

DIFFERENTIAL CORRECTIONS

TDE -.4697 TRA-1.8253 TC3-1.2917 BAU .7179
 RDE -.1212 RRA .1533 RC3 .3218 FAU .07409
 FDE -.3103 FRA -.5882 FC3-1.5901 BSP 7543
 BDE .4851 BRA 1.8317 BC3 1.3312 FSP -584

MID-COURSE EXECUTION ACCURACY

SGT 2443.0 SGR 448.2 SG3 182.9
 RRT -.8077 RRF -.9264 RTF .8569
 SGB 2483.8 R23 .3837 R13 -.8631
 SG1 2470.0 SG2 261.4 THA 171.47

ORBIT DETERMINATION ACCURACY

ST 678.7 SR 118.7 SS 155.3
 CRT .2773 CRS -.5649 CST -.9350
 LSA 695.0 MSA 123.6 SSA 21.9
 EL1 679.5 EL2 113.9 ALF 2.86

LAUNCH DATE JAN 2 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 329.849

RL 147.10 LAL .00 LOL 101.15 VL 28.673 GAL -11.75 AZL 90.73 HCA 159.52 SMA 135.10 ECC .22147 INC .7275 V1 30.287
 RP 108.68 LAP -.25 LOP 260.67 VP 38.211 GAP 6.08 AZP 89.32 TAL 235.14 TAP 34.65 RCA 105.18 APO 165.02 V2 34.870
 RC 118.029 GL -3.27 GP 28.75 ZAL 158.93 ZAP 133.62 ETS 28.72 ZAE 130.34 ETE 154.65 ZAC 34.12 ETC 195.26 CLP-141.90

PLANETOCENTRIC CONIC

C3 39.037 VHL 6.248 DLA -22.91 RAL 305.03 RAD 6568.5 VEL 12.665 PTH 2.30 VHP 5.601 OPA 5.74 RAP 296.81 ECC 1.6425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 25 1570.23 -1.50 3.82 177.60 118.31 4 49 35 970.2 3.29 357.19
 90.00 9 29 23 5834.22 26.22 279.01 187.31 101.09 11 6 38 5234.2 27.49 270.57
 100.00 5 27 28 1363.50 -2.41 347.57 176.54 119.80 5 50 12 763.5 1.57 341.05
 100.00 11 8 2 5516.19 28.37 256.06 187.75 99.83 12 39 58 4916.2 29.44 247.42
 110.00 6 0 27 1260.08 -6.90 336.95 173.76 123.56 6 21 27 660.1 -2.44 330.71
 110.00 12 51 32 5192.37 33.59 232.35 188.64 96.76 14 18 4 4592.4 34.16 223.15

DIFFERENTIAL CORRECTIONS

TDE -.6040 TRA-1.8025 TC3-1.3845 BAU .7457
 RDE -.0750 RRA .1307 RC3 .3527 FAU .06873
 FDE -.3906 FRA -.4954 FC3-1.5241 BSP 7940
 BDE .6087 BRA 1.8073 BC3 1.4288 FSP -556

MID-COURSE EXECUTION ACCURACY

SGT 2553.5 SGR 464.7 SG3 172.8
 RRT -.8074 RRF -.9460 RTF .8575
 SGB 2595.4 R23 .4164 R13 -.8641
 SG1 2581.2 SG2 271.2 THA 171.55

ORBIT DETERMINATION ACCURACY

ST 774.2 SR 80.2 SS 189.6
 CRT .2640 CRS -.5762 CST -.9267
 LSA 794.3 MSA 101.4 SSA 21.4
 EL1 774.5 EL2 77.3 ALF 1.58

LAUNCH DATE JAN 2 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 335.706

RL 147.10 LAL .00 LOL 101.15 VL 28.586 GAL -11.49 AZL 91.48 HCA 162.68 SMA 134.42 ECC .21960 INC 1.4835 V1 30.287
 RP 108.71 LAP -.44 LOP 263.84 VP 38.137 GAP 6.31 AZP 88.58 TAL 233.63 TAP 36.31 RCA 104.91 APO 163.94 V2 34.860
 RC 120.382 GL -6.75 GP 32.50 ZAL 157.15 ZAP 133.04 ETS 33.65 ZAE 127.90 ETE 152.48 ZAC 36.26 ETC 199.22 CLP-144.02

PLANETOCENTRIC CONIC

C3 38.053 VHL 6.169 DLA -26.04 RAL 307.03 RAD 6568.5 VEL 12.626 PTH 2.29 VHP 5.881 OPA 9.59 RAP 297.12 ECC 1.6262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 6 1378.39 5.66 353.09 181.54 117.79 5 48 5 778.4 9.34 346.34
 90.00 8 43 51 725.12 23.30 313.38 188.92 106.57 8 55 56 125.1 25.35 305.31
 100.00 6 19 4 1204.13 2.99 338.82 180.06 119.76 6 39 8 604.1 6.93 332.25
 100.00 10 32 34 5662.65 26.23 266.41 189.83 104.87 12 6 57 5062.7 28.02 258.06
 110.00 6 38 37 1142.79 -2.45 330.79 176.68 124.11 6 57 40 542.8 2.05 324.59
 110.00 12 29 31 5296.75 32.47 240.29 191.49 101.33 13 57 48 4696.8 33.69 231.26

DIFFERENTIAL CORRECTIONS

TDE -.7926 TRA-1.7494 TC3-1.4689 BAU .7725
 RDE -.0186 RRA .0998 RC3 .3849 FAU .06250
 FDE -.4879 FRA -.3957 FC3-1.4219 BSP 8329
 BDE .7928 BRA 1.7522 BC3 1.5185 FSP -519

MID-COURSE EXECUTION ACCURACY

SGT 2664.0 SGR 486.2 SG3 160.5
 RRT -.7986 RRF -.9604 RTF .8594
 SGB 2708.0 R23 .4417 R13 -.8665
 SG1 2692.5 SG2 289.6 THA 171.61

ORBIT DETERMINATION ACCURACY

ST 916.1 SR 38.2 SS 240.1
 CRT -.1392 CRS -.1811 CST -.9313
 LSA 943.3 MSA 91.3 SSA 17.9
 EL1 916.2 EL2 37.8 ALF 179.67

LAUNCH DATE JAN 2 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 341.544

RL 147.10 LAL .00 LOL 101.15 VL 28.500 GAL -11.22 AZL 92.56 MCA 165.84 SMA 133.76 ECC .21781 INC 2.5645 V1 30.287
 RP 108.74 LAP -.63 LOP 267.01 VP 38.064 GAP 6.52 AZP 87.51 TAL 232.09 TAP 37.94 RCA 104.63 APO 162.89 V2 34.851
 RC 122.731 GL -11.74 GP 37.52 ZAL 154.24 ZAP 131.29 ETS 39.44 ZAE 124.68 ETE 149.93 ZAC 39.02 ETC 204.13 CLP-146.30

PLANETOCENTRIC CONIC

C3 37.780 VHL 6.147 DLA -30.58 RAL 309.78 RAD 6568.5 VEL 12.615 PTH 2.29 VHP 6.300 DPA 14.67 RAP 297.01 ECC 1.6218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.94 5 38 34 1361.47 16.68 357.54 189.29 116.01 6 1 15 761.5 20.04 350.30
 102.06 8 52 9 738.40 16.70 311.62 189.29 116.00 9 4 27 138.4 20.06 304.39
 77.94 5 38 34 1361.47 16.68 357.54 189.29 116.01 6 1 15 761.5 20.04 350.30
 102.06 8 52 9 738.40 16.70 311.62 189.29 116.00 9 4 27 138.4 20.06 304.39
 110.00 7 47 8 942.77 5.19 320.34 182.57 123.83 8 2 51 342.8 9.60 314.02
 110.00 11 42 45 5493.14 28.95 254.48 194.79 109.03 13 14 18 4893.1 31.26 246.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.0735 TRA-1.6456 TC3-1.5217 BAU .7961
 RDE .0537 RRA .0537 RC3 .4104 FAU .05482
 FDE -.6036 FRA -.2836 FC3-1.2562 BSP 8658
 BOE 1.0749 BRA 1.6465 BC3 1.5761 FSP -467

SGT 2770.4 SGR 510.3 SG3 144.5
 RRT -.7762 RRF -.9670 RTF .8633
 SGB 2817.1 R23 .4567 R13 -.8709
 SG1 2799.0 SG2 318.5 THA 171.76

ST 1135.9 SR 55.1 SS 311.3
 CRT -.9624 CRS .9663 CST -.9463
 LSA 1175.0 MSA 97.7 SSA 11.5
 EL1 1137.1 EL2 15.0 ALF 177.33

LAUNCH DATE JAN 2 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 347.362

RL 147.10 LAL .00 LOL 101.15 VL 28.415 GAL -10.94 AZL 94.25 MCA 169.00 SMA 133.11 ECC .21609 INC 4.2503 V1 30.287
 RP 108.76 LAP -.81 LOP 270.18 VP 37.992 GAP 6.72 AZP 85.83 TAL 230.53 TAP 39.53 RCA 104.34 APO 161.87 V2 34.842
 RC 125.075 GL -19.25 GP 44.44 ZAL 149.13 ZAP 127.78 ETS 46.23 ZAE 120.11 ETE 147.23 ZAC 42.77 ETC 210.34 CLP-149.10

PLANETOCENTRIC CONIC

C3 39.347 VHL 6.273 DLA -37.39 RAL 313.98 RAD 6568.5 VEL 12.677 PTH 2.30 VHP 7.005 DPA 21.52 RAP 296.03 ECC 1.6475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.49 4 31 51 1627.88 19.67 19.94 196.08 122.46 4 58 58 1027.9 23.80 12.99
 115.51 10 32 21 5780.57 19.68 272.23 196.09 122.45 12 8 41 5180.6 23.82 265.28
 64.49 4 31 51 1627.88 19.67 19.94 196.08 122.46 4 58 58 1027.9 23.80 12.99
 115.51 10 32 21 5780.57 19.68 272.23 196.09 122.45 12 8 41 5180.6 23.82 265.28
 64.49 4 31 51 1627.88 19.67 19.94 196.08 122.46 4 58 58 1027.9 23.80 12.99
 115.51 10 32 21 5780.57 19.68 272.23 196.09 122.45 12 8 41 5180.6 23.82 265.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.5453 TRA-1.4568 TC3-1.4955 BAU .8158
 RDE .1525 RRA -.0186 RC3 .4102 FAU .04538
 FDE -.7475 FRA -.1626 FC3 -.9985 BSP 9060
 BOE 1.5528 BRA 1.4570 BC3 1.5508 FSP -405

SGT 2884.0 SGR 533.6 SG3 124.3
 RRT -.7320 RRF -.9584 RTF .8741
 SGB 2933.0 R23 .4526 R13 -.8819
 SG1 2910.8 SG2 360.2 THA 172.17

ST 1499.3 SR 140.3 SS 415.3
 CRT -.9236 CRS .9904 CST -.9663
 LSA 1557.8 MSA 115.1 SSA 6.0
 EL1 1504.9 EL2 53.6 ALF 175.05

LAUNCH DATE JAN 2 1966

FLIGHT TIME 116.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 353.152

RL 147.10 LAL .00 LOL 101.15 VL 28.330 GAL -10.66 AZL 97.26 MCA 172.13 SMA 132.47 ECC .21443 INC 7.2597 V1 30.287
 RP 108.79 LAP -.99 LOP 273.34 VP 37.921 GAP 6.91 AZP 82.81 TAL 228.94 TAP 41.06 RCA 104.06 APO 160.87 V2 34.834
 RC 127.413 GL -30.94 GP 54.13 ZAL 139.82 ZAP 121.67 ETS 54.58 ZAE 113.11 ETE 145.45 ZAC 48.07 ETC 218.74 CLP-153.65

PLANETOCENTRIC CONIC

C3 46.842 VHL 6.844 DLA -47.72 RAL 322.03 RAD 6568.8 VEL 12.969 PTH 2.36 VHP 8.417 DPA 30.89 RAP 293.08 ECC 1.7709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.84 4 2 10 1840.49 22.17 40.67 210.26 133.41 4 32 51 1240.5 27.54 34.55
 130.16 12 6 14 5655.79 22.18 263.40 210.27 133.40 13 40 30 5055.8 27.55 257.27
 49.84 4 2 10 1840.49 22.17 40.67 210.26 133.41 4 32 51 1240.5 27.54 34.55
 130.16 12 6 14 5655.79 22.18 263.40 210.27 133.40 13 40 30 5055.8 27.55 257.27
 49.84 4 2 10 1840.49 22.17 40.67 210.26 133.41 4 32 51 1240.5 27.54 34.55
 130.16 12 6 14 5655.79 22.18 263.40 210.27 133.40 13 40 30 5055.8 27.55 257.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4617 TRA-1.0672 TC3-1.2570 BAU .8135
 RDE .2588 RRA -.1459 RC3 .3279 FAU .03343
 FDE -.9172 FRA -.0235 FC3 -.6178 BSP 9383
 BOE 2.4753 BRA 1.0771 BC3 1.2990 FSP -322

SGT 2995.1 SGR 530.5 SG3 98.7
 RRT -.6154 RRF -.8920 RTF .8989
 SGB 3041.7 R23 .4161 R13 -.9054
 SG1 3013.2 SG2 415.6 THA 173.66

ST 2099.6 SR 223.8 SS 558.7
 CRT -.9055 CRS .9667 CST -.9839
 LSA 2180.1 MSA 133.5 SSA 2.7
 EL1 2109.4 EL2 94.5 ALF 174.48

LAUNCH DATE JAN 2 1966

FLIGHT TIME 118.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 358.882

RL 147.10 LAL .00 LOL 101.15 VL 28.246 GAL -10.35 AZL 104.15 MCA 175.21 SMA 131.84 ECC .21272 INC 14.1534 V1 30.287
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.851 GAP 7.08 AZP 75.89 TAL 227.30 TAP 42.51 RCA 103.80 APO 159.89 V2 34.826
 RC 129.747 GL -48.22 GP 67.39 ZAL 123.78 ZAP 112.01 ETS 69.22 ZAE 101.62 ETE 150.62 ZAC 55.45 ETC 234.50 CLP-167.10

PLANETOCENTRIC CONIC

C3 83.007 VHL 9.111 DLA -60.80 RAL 343.49 RAD 6569.6 VEL 14.295 PTH 2.60 VHP 12.095 DPA 43.21 RAP 284.36 ECC 2.3661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.65 4 40 39 2080.50 18.48 62.48 242.71 149.05 5 15 19 1480.5 25.29 58.35
 146.35 14 18 58 5691.31 18.49 262.43 242.72 149.04 15 53 49 5091.3 25.30 258.31
 33.65 4 40 39 2080.50 18.48 62.48 242.71 149.05 5 15 19 1480.5 25.29 58.35
 146.35 14 18 58 5691.31 18.49 262.43 242.72 149.04 15 53 49 5091.3 25.30 258.31
 33.65 4 40 39 2080.50 18.48 62.48 242.71 149.05 5 15 19 1480.5 25.29 58.35
 146.35 14 18 58 5691.31 18.49 262.43 242.72 149.04 15 53 49 5091.3 25.30 258.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-4.5908 TRA -.0435 TC3 -.6339 BAU .7111
 RDE -.2210 RRA -.3201 RC3 .0936 FAU .01907
 FDE -1.1088 FRA .1665 FC3 -.1989 BSP 9843
 BOE 4.5961 BRA .3230 BC3 .6408 FSP -227

SGT 3110.1 SGR 467.6 SG3 70.4
 RRT .1563 RRF -.1405 RTF .9550
 SGB 3145.0 R23 -.2968 R13 .9540
 SG1 3110.9 SG2 461.8 THA 1.38

ST 2887.3 SR 186.2 SS 731.9
 CRT .7499 CRS -.6816 CST -.9952
 LSA 2981.1 MSA 142.0 SSA 1.2
 EL1 2890.7 EL2 123.0 ALF 2.77

LAUNCH DATE JAN 2 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 364.309

RL 147.10 LAL .00 LOL 101.15 VL 28.163 GAL -9.98 AZL 132.26 MCA 178.00 SMA 131.23 ECC .21027 INC42.2609 V1 30.287
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.782 GAP 7.16 AZP 47.76 TAL 225.53 TAP 43.53 RCA 103.64 APO 158.83 V2 34.819
 RC 132.074 GL -59.68 GP 70.13 ZAL 103.03 ZAP 99.31 ETS 144.36 ZAE 77.45 ETE 218.50 ZAC 62.96 ETC 314.41 CLP 118.42

PLANETOCENTRIC CONIC

C3 466.915 VHL 21.608 DLA -57.70 RAL 24.39 RAD 6572.3 VEL 24.253 PTH 3.32 VHP 28.363 DPA 51.63 RAP 249.94 ECC 8.6842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 37.38 7 33 22 2332.64 2.46 68.24 292.82 147.66 8 12 15 1732.6 9.20 64.33
 142.62 16 52 36 691.37 2.47 294.93 292.84 147.66 17 4 7 91.4 9.21 291.02
 37.38 7 33 22 2332.64 2.46 68.24 292.82 147.66 8 12 15 1732.6 9.20 64.33
 142.62 16 52 36 691.37 2.47 294.93 292.84 147.66 17 4 7 91.4 9.21 291.02
 37.38 7 33 22 2332.64 2.46 68.24 292.82 147.66 8 12 15 1732.6 9.20 64.33
 142.62 16 52 36 691.37 2.47 294.93 292.84 147.66 17 4 7 91.4 9.21 291.02

DIFFERENTIAL CORRECTIONS

TOE -.3937 TRA 1.8457 TC3 -.0094 BAU .7007
 RDE -7.8339 RRA 4.0535 RC3 .1119 FAU-.00805
 FDE -1.2375 FRA .8774 FC3 .0149 BSP 9016
 BDE 7.8438 BRA 4.4540 BC3 .1123 FSP -147

MID-COURSE EXECUTION ACCURACY

SGT 922.6 SGR 2931.5 SG3 47.4
 RRT .7539 RRF .9870 RTF .8496
 SGB 3073.2 R23 -.1128 R13 .9936
 SG1 3016.2 SG2 589.1 THA 76.11

ORBIT DETERMINATION ACCURACY

ST 293.9 SR 2163.1 S5 865.5
 CRT .6018 CRS -.9954 CST -.6757
 LSA 2335.6 MSA 244.2 SSA .2
 EL1 2170.4 EL2 233.9 ALF 85.27

LAUNCH DATE JAN 2 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 371.201

RL 147.10 LAL .00 LOL 101.15 VL 28.080 GAL -9.91 AZL 48.04 HCA 182.26 SMA 130.63 ECC .21227 INC41.9604 V1 30.287
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.715 GAP 7.66 AZP 131.94 TAL 224.29 TAP 46.55 RCA 102.90 APO 158.36 V2 34.812
 RC 134.395 GL 59.60 GP -72.18 ZAL 103.00 ZAP 101.50 ETS 209.81 ZAE 77.83 ETE 137.22 ZAC 88.97 ETC 49.75 CLP 130.66

PLANETOCENTRIC CONIC

C3 459.766 VHL 21.442 DLA 47.59 RAL 316.38 RAD 6572.3 VEL 24.105 PTH 3.31 VHP 24.654 DPA -73.35 RAP 145.63 ECC 8.5666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.00 15 38 21 4889.40 -2.22 227.52 224.36 42.45 16 59 50 4289.4 -8.11 222.49
 130.00 23 41 4 3419.97 -2.21 112.63 224.34 42.45 24 38 4 2820.0 -8.09 107.60
 50.00 15 38 21 4889.40 -2.22 227.52 224.36 42.45 16 59 50 4289.4 -8.11 222.49
 130.00 23 41 4 3419.97 -2.21 112.63 224.34 42.45 24 38 4 2820.0 -8.09 107.60
 50.00 15 38 21 4889.40 -2.22 227.52 224.36 42.45 16 59 50 4289.4 -8.11 222.49
 130.00 23 41 4 3419.97 -2.21 112.63 224.34 42.45 24 38 4 2820.0 -8.09 107.60

DIFFERENTIAL CORRECTIONS

TDE 3.1314 TRA .3304 TC3 -.0150 BAU .7133
 RDE -9.2617 RRA 4.6263 RC3 -.1151 FAU-.00642
 FDE 1.8685 FRA -.6729 FC3 .0121 BSP 10118
 BDE 9.7768 BRA 4.6381 BC3 .1160 FSP -165

MID-COURSE EXECUTION ACCURACY

SGT 849.3 SGR 3119.1 SG3 49.1
 RRT -.6791 RRF -.9871 RTF .7862
 SGB 3232.6 R23 -.1211 R13 -.9923
 SG1 3174.0 SG2 612.6 THA 100.89

ORBIT DETERMINATION ACCURACY

ST 837.7 SR 2535.2 S5 1077.1
 CRT -.9649 CRS .9982 CST -.9789
 LSA 2871.3 MSA 212.3 SSA 1.0
 EL1 2661.8 EL2 209.5 ALF 107.80

LAUNCH DATE JAN 2 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 376.687

RL 147.10 LAL .00 LOL 101.15 VL 27.999 GAL -9.54 AZL 70.87 HCA 185.13 SMA 130.05 ECC .21026 INC19.1347 V1 30.287
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.649 GAP 7.75 AZP 109.06 TAL 222.51 TAP 47.64 RCA 102.70 APO 157.39 V2 34.806
 RC 136.709 GL 55.36 GP -63.85 ZAL 114.90 ZAP 115.56 ETS 276.76 ZAE 99.70 ETE 198.98 ZAC 81.94 ETC 115.35 CLP-168.27

PLANETOCENTRIC CONIC

C3 121.023 VHL 11.001 DLA 38.30 RAL 305.54 RAD 6570.3 VEL 15.568 PTH 2.77 VHP 11.533 DPA -81.13 RAP 6.42 ECC 2.9917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.05 15 49 7 4554.64 -9.74 204.86 203.00 52.77 17 5 1 3954.6 -14.51 198.70
 116.95 22 3 49 3378.00 -9.72 115.83 202.99 52.77 23 0 7 2778.0 -14.49 109.68
 63.05 15 49 7 4554.64 -9.74 204.86 203.00 52.77 17 5 1 3954.6 -14.51 198.70
 116.95 22 3 49 3378.00 -9.72 115.83 202.99 52.77 23 0 7 2778.0 -14.49 109.68
 63.05 15 49 7 4554.64 -9.74 204.86 203.00 52.77 17 5 1 3954.6 -14.51 198.70
 116.95 22 3 49 3378.00 -9.72 115.83 202.99 52.77 23 0 7 2778.0 -14.49 109.68

DIFFERENTIAL CORRECTIONS

TDE 4.0924 TRA -3.6284 TC3 -.3573 BAU .5794
 RDE -.5645 RRA 1.3858 RC3 .0247 FAU .01986
 FDE 1.2431 FRA -.6769 FC3 -.1421 BSP 10801
 BDE 4.1312 BRA 3.8841 BC3 .3581 FSP -247

MID-COURSE EXECUTION ACCURACY

SGT 3310.6 SGR 967.1 SG3 73.2
 RRT -.9008 RRF -.7568 RTF .9647
 SGB 3448.9 R23 -.2888 R13 -.9560
 SG1 3425.0 SG2 405.9 THA 165.04

ORBIT DETERMINATION ACCURACY

ST 2250.6 SR 403.2 S5 659.1
 CRT -.9102 CRS .8533 CST -.9926
 LSA 2372.4 MSA 185.1 SSA 1.2
 EL1 2280.5 EL2 164.8 ALF 170.69

LAUNCH DATE JAN 2 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 382.389

RL 147.10 LAL .00 LOL 101.15 VL 27.919 GAL -9.22 AZL 77.02 HCA 188.22 SMA 129.48 ECC .20903 INC12.9797 V1 30.287
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.584 GAP 7.90 AZP 102.85 TAL 220.80 TAP 49.01 RCA 102.41 APO 156.54 V2 34.801
 RC 139.015 GL 47.72 GP -50.08 ZAL 122.22 ZAP 127.05 ETS 292.17 ZAE 110.78 ETE 207.03 ZAC 74.96 ETC 130.77 CLP-159.87

PLANETOCENTRIC CONIC

C3 69.999 VHL 8.367 DLA 30.15 RAL 305.79 RAD 6569.3 VEL 13.833 PTH 2.53 VHP 8.427 DPA -67.42 RAP 340.42 ECC 2.1520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.20 17 30 10 4127.79 -11.79 173.05 194.74 62.05 18 38 58 3527.8 -15.44 166.14
 100.80 20 24 46 3565.04 -11.77 131.63 194.74 62.05 21 24 11 2965.0 -15.42 124.72
 79.20 17 30 10 4127.79 -11.79 173.05 194.74 62.05 18 38 58 3527.8 -15.44 166.14
 100.80 20 24 46 3565.04 -11.77 131.63 194.74 62.05 21 24 11 2965.0 -15.42 124.72
 110.00 23 31 38 2979.10 -25.74 94.28 201.79 66.69 24 21 17 2379.1 -28.67 86.32
 110.00 19 22 28 3761.74 1.49 138.43 186.75 55.85 20 25 9 3161.7 -3.00 132.23

DIFFERENTIAL CORRECTIONS

TDE 2.7089 TRA -3.3498 TC3 -.8288 BAU .7761
 RDE .1609 RRA .5025 RC3 -.0283 FAU .03304
 FDE 1.1728 FRA -.6448 FC3 -.4087 BSP 11072
 BDE 2.7137 BRA 3.3873 BC3 .8293 FSP -339

MID-COURSE EXECUTION ACCURACY

SGT 3521.7 SGR 415.6 SG3 101.3
 RRT -.5366 RRF -.1689 RTF .9190
 SGB 3546.1 R23 -.3901 R13 -.9166
 SG1 3528.8 SG2 350.0 THA 176.34

ORBIT DETERMINATION ACCURACY

ST 2019.1 SR 162.5 S5 595.5
 CRT .3338 CRS -.5287 CST -.9766
 LSA 2102.2 MSA 195.7 SSA 2.0
 EL1 2019.8 EL2 153.1 ALF 1.55

LAUNCH DATE JAN 2 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 388.125

RL 147.10 LAL .00 LOL 101.15 VL 27.839 GAL -8.89 AZL 79.81 MCA 191.35 SMA 128.92 ECC .20805 INC10.1878 V1 30.287
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.521 GAP 8.06 AZP 99.99 TAL 219.08 TAP 50.42 RCA 102.10 APO 155.74 V2 34.797
 RC 141.312 GL 42.21 GP -40.03 ZAL 126.35 ZAP 135.37 ETS 299.20 ZAE 117.36 ETE 206.05 ZAC 70.58 ETC 137.99 CLP-158.35

PLANETOCENTRIC CONIC

C3 52.428 VHL 7.241 DLA 24.79 RAL 307.32 RAD 6568.9 VEL 13.183 PTH 2.41 VHP 7.284 DPA -57.10 RAP 335.41 ECC 1.8628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 7 18 3366.52 -23.35 122.16 195.11 73.50 22 3 24 2766.5 -25.39 114.09
 90.00 16 59 50 4185.96 -4.1 171.20 185.53 61.69 18 9 36 3586.0 -4.20 164.56
 100.00 22 50 43 3033.07 -25.97 98.45 195.93 74.66 23 41 16 2433.1 -27.83 90.14
 100.00 17 59 6 3994.64 1.97 155.81 184.20 60.17 19 5 41 3394.6 -2.01 149.29
 110.00 0 45 13 2687.15 -31.98 73.90 197.65 77.23 1 30 0 2087.1 -33.41 64.96
 110.00 18 25 1 3913.33 7.24 146.40 180.94 56.50 19 30 15 3313.3 2.79 140.14

DIFFERENTIAL CORRECTIONS

TOE 2.0888 TRA-3.0977 TC3-1.2158 BAU .8528
 ROE .2162 RRA .2965 RC3 -.0458 FAU .04121
 FOE 1.1115 FRA -.5896 FC3 -.6805 BSP 11367
 BOE 2.0999 BRA 3.1119 BC3 1.2166 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 3622.4 SGR 317.0 SG3 122.5
 RRT -.2596 RRF .1850 RTF .8914
 SGB 3636.2 R23 -.4329 R13 -.8905
 SG1 3623.3 SG2 306.0 THA 178.69

ORBIT DETERMINATION ACCURACY

ST 1841.4 SR 187.8 SS 562.3
 CRT .6363 CRS -.8258 CST -.9605
 LSA 1923.4 MSA 206.5 SSA 3.1
 EL1 1845.3 EL2 144.6 ALF 3.74

LAUNCH DATE JAN 2 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 393.868

RL 147.10 LAL .00 LOL 101.15 VL 27.761 GAL -8.56 AZL 81.41 MCA 194.49 SMA 128.38 ECC .20723 INC 8.5938 V1 30.287
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.460 GAP 8.22 AZP 98.32 TAL 217.35 TAP 51.83 RCA 101.77 APO 154.98 V2 34.793
 RC 143.598 GL 38.36 GP -32.86 ZAL 128.57 ZAP 141.34 ETS 304.14 ZAE 121.38 ETE 203.52 ZAC 68.25 ETC 143.03 CLP-158.36

PLANETOCENTRIC CONIC

C3 43.695 VHL 6.610 DLA 21.26 RAL 309.05 RAD 6568.7 VEL 12.848 PTH 2.34 VHP 6.776 DPA -49.53 RAP 334.05 ECC 1.7191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 5 8 3140.88 -26.82 106.57 193.07 80.56 22 57 29 2540.9 -27.85 98.05
 90.00 16 15 51 4320.46 3.92 178.71 182.58 61.93 17 27 51 3720.5 .13 172.07
 100.00 23 40 57 2831.91 -28.80 84.19 193.42 81.64 24 28 9 2231.9 -29.66 75.49
 100.00 17 22 43 4104.66 5.68 161.88 181.61 60.60 18 31 8 3504.7 1.72 155.33
 110.00 1 23 37 2523.00 -33.77 61.44 194.13 84.39 2 5 40 1923.0 -34.18 52.22
 110.00 18 0 28 3986.34 9.97 150.30 178.99 57.13 19 6 54 3386.3 5.57 143.97

DIFFERENTIAL CORRECTIONS

TOE 1.7519 TRA-2.9210 TC3-1.5372 BAU .8983
 ROE .2074 RRA .2171 RC3 -.0377 FAU .04574
 FOE 1.0392 FRA -.5228 FC3 -.9063 BSP 11660
 BOE 1.7641 BRA 2.9291 BC3 1.5377 FSP -446

MID-COURSE EXECUTION ACCURACY

SGT 3717.1 SGR 274.9 SG3 136.2
 RRT -.1704 RRF .2851 RTF .8747
 SGB 3727.2 R23 -.4415 R13 -.8743
 SG1 3717.4 SG2 270.8 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 1724.5 SR 189.7 SS 534.7
 CRT .6838 CRS -.8840 CST -.9454
 LSA 1802.7 MSA 214.4 SSA 4.4
 EL1 1729.4 EL2 138.0 ALF 4.33

LAUNCH DATE JAN 2 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 399.611

RL 147.10 LAL .00 LOL 101.15 VL 27.683 GAL -8.22 AZL 82.44 MCA 197.64 SMA 127.85 ECC .20656 INC 7.5593 V1 30.287
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.399 GAP 8.38 AZP 97.21 TAL 215.60 TAP 53.24 RCA 101.44 APO 154.26 V2 34.790
 RC 145.874 GL 35.59 GP -27.63 ZAL 129.61 ZAP 145.73 ETS 308.04 ZAE 123.93 ETE 200.91 ZAC 67.32 ETC 146.94 CLP-158.87

PLANETOCENTRIC CONIC

C3 38.363 VHL 6.194 DLA 18.90 RAL 310.83 RAD 6568.5 VEL 12.638 PTH 2.29 VHP 6.532 DPA -43.83 RAP 334.08 ECC 1.6314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 15 3008.27 -27.94 97.03 191.53 85.21 23 29 24 2408.3 -28.31 88.39
 90.00 15 55 52 4387.37 6.05 182.47 181.61 62.28 17 9 0 3787.4 2.29 175.80
 100.00 0 16 5 2708.74 -29.69 75.15 191.68 86.32 1 1 13 2108.7 -29.88 66.35
 100.00 17 5 40 4162.14 7.59 165.08 180.77 61.00 18 15 2 3562.1 3.66 158.49
 110.00 1 49 22 2416.84 -34.18 53.18 191.88 89.26 2 29 39 1816.8 -33.90 43.95
 110.00 17 48 52 4026.80 11.45 152.49 178.45 57.57 18 55 59 3426.8 7.09 146.11

DIFFERENTIAL CORRECTIONS

TOE 1.5425 TRA-2.7865 TC3-1.8207 BAU .9338
 ROE .1965 RRA .1743 RC3 -.0185 FAU .04796
 FOE .9680 FRA -.4539 FC3 -1.0824 BSP 12016
 BOE 1.5550 BRA 2.7919 BC3 1.8208 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 3813.9 SGR 250.2 SG3 144.5
 RRT -.1604 RRF .2819 RTF .8641
 SGB 3822.1 R23 -.4266 R13 -.8638
 SG1 3814.1 SG2 247.0 THA 179.39

ORBIT DETERMINATION ACCURACY

ST 1645.8 SR 188.8 SS 511.5
 CRT .7003 CRS -.9116 CST -.9315
 LSA 1719.6 MSA 221.0 SSA 5.7
 EL1 1651.2 EL2 134.4 ALF 4.62

LAUNCH DATE JAN 2 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 405.351

RL 147.10 LAL .00 LOL 101.15 VL 27.607 GAL -7.88 AZL 83.17 MCA 200.79 SMA 127.33 ECC .20603 INC 6.8303 V1 30.287
 RP 108.93 LAP -2.42 LOP 301.81 VP 37.341 GAP 8.54 AZP 96.39 TAL 213.84 TAP 54.63 RCA 101.10 APO 153.56 V2 34.787
 RC 148.138 GL 33.54 GP -23.72 ZAL 129.89 ZAP 149.09 ETS 311.23 ZAE 125.60 ETE 198.60 ZAC 67.29 ETC 150.10 CLP-159.58

PLANETOCENTRIC CONIC

C3 34.654 VHL 5.887 DLA 17.31 RAL 312.62 RAD 6568.4 VEL 12.491 PTH 2.26 VHP 6.416 DPA -39.37 RAP 334.81 ECC 1.5703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 2 46 2920.73 -28.27 90.65 190.68 88.39 23 51 27 2320.7 -28.20 81.99
 90.00 15 46 39 4423.54 7.19 184.52 181.49 62.54 17 0 23 3823.5 3.46 177.83
 100.00 0 38 3 2626.16 -29.89 69.02 190.71 89.54 1 21 49 2026.2 -29.63 60.22
 100.00 16 58 0 4193.34 8.61 166.83 180.73 61.27 18 7 53 3593.3 4.71 160.21
 110.00 2 8 18 2343.81 -34.09 47.48 190.62 92.63 2 47 22 1743.8 -33.35 38.32
 110.00 17 44 14 4048.46 12.24 153.67 178.56 57.83 18 51 43 3448.5 7.91 147.26

DIFFERENTIAL CORRECTIONS

TOE 1.4087 TRA-2.6683 TC3-2.0764 BAU .9620
 ROE .1907 RRA .1455 RC3 -.0046 FAU .04861
 FOE .9078 FRA -.3833 FC3 -1.2143 BSP 12282
 BOE 1.4215 BRA 2.6723 BC3 2.0764 FSP -483

MID-COURSE EXECUTION ACCURACY

SGT 3905.9 SGR 237.6 SG3 149.1
 RRT -.1749 RRF .2395 RTF .8561
 SGB 3913.1 R23 -.3959 R13 -.8558
 SG1 3906.1 SG2 234.0 THA 179.39

ORBIT DETERMINATION ACCURACY

ST 1597.2 SR 190.9 SS 494.6
 CRT .7156 CRS -.9322 CST -.9193
 LSA 1667.6 MSA 226.8 SSA 6.9
 EL1 1603.1 EL2 132.8 ALF 4.92

LAUNCH DATE JAN 2 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 27.532 GAL -7.53 AZL 83.71 HCA 203.95 SMA 126.83 ECC .20564 INC 6.2860 V1 30.287
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.284 GAP 8.69 AZP 95.75 TAL 212.07 TAP 56.01 RCA 100.75 APO 152.91 V2 34.786
 RC 150.390 GL 31.98 GP -20.71 ZAL 129.62 ZAP 151.77 ETS 313.86 ZAE 126.74 ETE 196.63 ZAC 67.87 ETC 152.69 CLP-160.38

PLANETOCENTRIC CONIC

C3 31.844 VHL 5.643 DLA 16.26 RAL 314.44 RAD 6568.3 VEL 12.378 PTH 2.23 VHP 6.369 OPA -35.76 RAP 335.94 ECC 1.5241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 20 15 2860.25 -28.31 86.23 190.38 90.61 24 7 55 2260.3 -27.93 77.58
 90.00 15 43 42 4441.38 7.75 185.53 181.84 62.68 16 57 43 3841.4 4.03 178.83
 100.00 0 54 38 2568.57 -29.84 64.74 190.35 91.79 1 37 26 1968.6 -29.28 55.98
 100.00 16 55 56 4208.30 9.10 167.67 181.11 61.40 18 6 4 3608.3 5.22 161.04
 110.00 2 23 3 2291.92 -33.86 43.44 190.07 95.01 3 1 15 1691.9 -32.80 34.37
 110.00 17 44 0 4057.71 12.58 154.18 179.05 57.95 18 51 38 3457.7 8.25 147.75

DIFFERENTIAL CORRECTIONS

TOE 1.3174 TRA-2.5614 TC3-2.3208 BAU .9881
 RDE .1888 RRA .1224 RC3 .0278 FAU .04848
 FDE .8547 FRA -.3178 FC3-1.3180 BSP 12587
 BDE 1.3308 BRA 2.5643 BC3 2.3210 FSP -490

MID-COURSE EXECUTION ACCURACY

SGT 3998.6 SGR 233.4 SG3 151.6
 RRT -.1892 RRF .1858 RTF .8505
 SGB 4005.4 R23 -.3537 R13 -.8503
 SG1 3998.8 SG2 229.2 TMA 179.36

ORBIT DETERMINATION ACCURACY

ST 1567.1 SR 195.6 SS 481.4
 CRT .7333 CRS -.9491 CST -.9091
 LSA 1634.7 MSA 231.3 SSA 8.2
 EL1 1573.7 EL2 132.4 ALF 5.27

LAUNCH DATE JAN 2 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 27.458 GAL -7.17 AZL 84.14 HCA 207.10 SMA 126.34 ECC .20540 INC 5.8621 V1 30.287
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.228 GAP 8.85 AZP 95.22 TAL 210.28 TAP 57.38 RCA 100.39 APO 152.28 V2 34.785
 RC 152.629 GL 30.77 GP -18.35 ZAL 128.95 ZAP 153.97 ETS 316.02 ZAE 127.55 ETE 194.98 ZAC 68.86 ETC 154.85 CLP-161.21

PLANETOCENTRIC CONIC

C3 29.586 VHL 5.439 DLA 15.61 RAL 316.30 RAD 6568.2 VEL 12.287 PTH 2.21 VHP 6.363 OPA -32.74 RAP 337.33 ECC 1.4869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 33 51 2817.88 -28.24 83.13 190.52 92.16 24 20 49 2217.9 -27.64 74.51
 90.00 15 44 57 4446.82 7.92 185.84 182.49 62.72 16 59 3 3846.8 4.20 179.13
 100.00 1 7 43 2327.86 -29.72 61.72 190.44 93.38 1 49 51 1927.9 -28.93 53.00
 100.00 16 57 42 4212.07 9.23 167.88 181.79 61.44 18 7 54 3612.1 5.34 161.25
 110.00 2 35 4 2254.59 -33.60 40.56 190.04 96.70 3 12 38 1654.6 -32.31 31.57
 110.00 17 46 51 4058.11 12.59 154.20 179.78 57.95 18 54 29 3458.1 8.27 147.77

DIFFERENTIAL CORRECTIONS

TOE 1.2528 TRA-2.4612 TC3-2.5630 BAU 1.0140
 RDE .1895 RRA .1023 RC3 .0498 FAU .04793
 FDE .8078 FRA -.2582 FC3-1.4027 BSP 12965
 BDE 1.2670 BRA 2.4633 BC3 2.5635 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 4094.1 SGR 235.2 SG3 152.9
 RRT -.1960 RRF .1336 RTF .8471
 SGB 4100.8 R23 -.3061 R13 -.8469
 SG1 4094.3 SG2 230.6 TMA 179.35

ORBIT DETERMINATION ACCURACY

ST 1549.4 SR 202.5 SS 470.7
 CRT .7531 CRS -.9631 CST -.9008
 LSA 1615.0 MSA 234.4 SSA 9.5
 EL1 1556.9 EL2 132.6 ALF 5.66

LAUNCH DATE JAN 2 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 27.385 GAL -6.81 AZL 84.48 HCA 210.26 SMA 125.86 ECC .20530 INC 5.5206 V1 30.287
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.174 GAP 9.01 AZP 94.77 TAL 208.47 TAP 58.73 RCA 100.02 APO 151.69 V2 34.784
 RC 154.855 GL 29.81 GP -16.45 ZAL 127.96 ZAP 155.84 ETS 317.78 ZAE 128.15 ETE 193.59 ZAC 70.15 ETC 156.67 CLP-162.05

PLANETOCENTRIC CONIC

C3 27.699 VHL 5.263 DLA 15.25 RAL 318.22 RAD 6568.1 VEL 12.210 PTH 2.19 VHP 6.383 OPA -30.15 RAP 338.90 ECC 1.4559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 44 50 2788.53 -28.15 80.99 191.01 93.23 24 31 18 2188.5 -27.40 72.40
 90.00 15 49 17 4443.26 7.81 185.64 183.36 62.69 17 3 20 3843.3 4.09 178.93
 100.00 1 18 25 2499.39 -29.59 59.61 190.90 94.48 2 0 4 1899.4 -28.65 50.93
 100.00 17 2 18 4207.63 9.08 167.63 182.67 61.40 18 12 26 3607.6 5.19 161.00
 110.00 2 45 11 2227.90 -33.37 38.51 190.42 97.89 3 22 19 1627.9 -31.92 29.58
 110.00 17 52 1 4051.89 12.36 153.86 180.71 57.87 18 59 33 3451.9 8.03 147.44

DIFFERENTIAL CORRECTIONS

TOE 1.1967 TRA-2.3740 TC3-2.8221 BAU 1.0454
 RDE .1911 RRA .0828 RC3 .0686 FAU .04767
 FDE .7554 FRA -.2152 FC3-1.4900 BSP 13654
 BDE 1.2119 BRA 2.3754 BC3 2.8230 FSP -531

MID-COURSE EXECUTION ACCURACY

SGT 4206.8 SGR 239.2 SG3 154.4
 RRT -.1928 RRF .0820 RTF .8486
 SGB 4213.6 R23 -.2508 R13 -.8484
 SG1 4207.1 SG2 234.7 TMA 179.37

ORBIT DETERMINATION ACCURACY

ST 1533.3 SR 209.9 SS 456.0
 CRT .7714 CRS -.9732 CST -.8945
 LSA 1596.3 MSA 234.3 SSA 10.9
 EL1 1541.9 EL2 132.8 ALF 6.07

LAUNCH DATE JAN 2 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 27.314 GAL -6.44 AZL 84.76 HCA 213.42 SMA 125.39 ECC .20534 INC 5.2382 V1 30.287
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.122 GAP 9.17 AZP 94.38 TAL 206.65 TAP 60.07 RCA 99.64 APO 151.14 V2 34.785
 RC 157.067 GL 29.03 GP -14.90 ZAL 126.70 ZAP 157.46 ETS 319.22 ZAE 128.61 ETE 192.43 ZAC 71.66 ETC 158.23 CLP-162.89

PLANETOCENTRIC CONIC

C3 26.075 VHL 5.106 DLA 15.13 RAL 320.21 RAD 6568.1 VEL 12.143 PTH 2.18 VHP 6.420 OPA -27.87 RAP 340.59 ECC 1.4291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 53 52 2769.28 -28.07 79.59 191.79 93.93 24 40 1 2169.3 -27.23 71.02
 90.00 15 56 8 4432.50 7.47 185.02 184.42 62.61 17 10 1 3832.5 3.74 178.33
 100.00 1 27 22 2480.43 -29.48 58.21 191.66 95.21 2 8 42 1880.4 -28.44 49.56
 100.00 17 9 15 4196.58 8.72 167.01 183.75 61.29 18 19 12 3596.6 4.82 160.39
 110.00 2 53 57 2209.51 -33.19 37.11 191.13 98.70 3 30 46 1609.5 -31.63 28.23
 110.00 17 59 9 4040.26 11.94 153.22 181.82 57.73 19 6 30 3440.3 7.60 146.82

DIFFERENTIAL CORRECTIONS

TOE 1.2138 TRA-2.2284 TC3-3.0002 BAU 1.0464
 RDE .1974 RRA .0691 RC3 .0923 FAU .04476
 FDE .7590 FRA -.1216 FC3-1.4860 BSP 13004
 BDE 1.2298 BRA 2.2295 BC3 3.0017 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 4237.0 SGR 253.8 SG3 150.9
 RRT -.1814 RRF .0773 RTF .8349
 SGB 4244.6 R23 -.2332 R13 -.8347
 SG1 4237.3 SG2 249.5 TMA 179.38

ORBIT DETERMINATION ACCURACY

ST 1570.7 SR 222.8 SS 473.7
 CRT .8077 CRS -.9854 CST -.8925
 LSA 1638.1 MSA 240.5 SSA 11.7
 EL1 1581.1 EL2 130.5 ALF 6.58

LAUNCH DATE JAN 2 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 433.966

RL 147.10 LAL .00 LOL 101.15 VL 27.243 GAL -6.06 AZL 85.00 HCA 216.57 SMA 124.93 ECC .20555 INC 4.9993 V1 30.287
 RP 108.94 LAP -2.98 LOP 317.62 VP 37.071 GAP 9.33 AZP 94.02 TAL 204.83 TAP 61.40 RCA 99.25 APO 150.61 V2 34.786
 RC 159.265 GL 28.39 GP -13.61 ZAL 125.22 ZAP 158.90 ETS 320.37 ZAE 128.98 ETE 191.45 ZAC 73.33 ETC 159.58 CLP-163.72

PLANETOCENTRIC CONIC

C3 24.660 VHL 4.966 DLA 15.20 RAL 322.28 RAD 6568.0 VEL 12.085 PTH 2.16 VMP 6.471 DPA -25.82 RAP 342.37 ECC 1.4058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 5 26 2757.94 -28.01 78.76 192.83 94.34 0 51 24 2157.9 -27.11 70.21
 90.00 16 5 1 4416.30 6.96 184.11 185.66 62.48 17 18 38 3816.3 3.22 177.42
 100.00 1 35 3 2468.93 -29.40 57.36 192.69 95.65 2 16 12 1868.9 -28.31 48.73
 100.00 17 18 5 4180.55 8.20 166.11 184.99 61.15 18 27 46 3580.5 4.28 159.50
 110.00 3 1 45 2197.68 -33.06 36.21 192.14 99.22 3 38 22 1597.7 -31.44 27.36
 110.00 18 7 53 4024.56 11.37 152.37 183.08 57.54 19 14 58 3424.6 7.01 145.99

DIFFERENTIAL CORRECTIONS

TDE 1.1935 TRA-2.1290 TC3-3.2538 BAU 1.0733
 RDE .2010 RRA .0524 RC3 .1085 FAU .04391
 FDE .7229 FRA -.0786 FC3-1.5415 BSP 13558
 BOE 1.2103 BRA 2.1296 BC3 3.2556 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 4338.0 SGR 263.3 SG3 150.8
 RRT -.1649 RRF .0492 RTF .8364
 SGB 4346.0 R23 -.1901 R13 -.8363
 SG1 4338.3 SG2 259.7 THA 179.42

ORBIT DETERMINATION ACCURACY

ST 1577.6 SR 232.7 SS 467.3
 CRT .8300 CRS -.9911 CST -.8908
 LSA 1644.5 MSA 238.6 SSA 13.0
 EL1 1589.5 EL2 128.8 ALF 7.03

LAUNCH DATE JAN 2 1966

FLIGHT TIME 146.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 439.669

RL 147.10 LAL .00 LOL 101.15 VL 27.173 GAL -5.67 AZL 85.21 HCA 219.73 SMA 124.49 ECC .20591 INC 4.7934 V1 30.287
 RP 108.93 LAP -3.06 LOP 320.78 VP 37.022 GAP 9.49 AZP 93.69 TAL 202.99 TAP 62.72 RCA 98.86 APO 150.13 V2 34.788
 RC 161.449 GL 27.84 GP -12.53 ZAL 123.53 ZAP 160.20 ETS 321.27 ZAE 129.29 ETE 190.61 ZAC 75.13 ETC 160.75 CLP-164.55

PLANETOCENTRIC CONIC

C3 23.410 VHL 4.838 DLA 15.43 RAL 324.45 RAD 6568.0 VEL 12.033 PTH 2.15 VMP 6.532 DPA -23.94 RAP 344.23 ECC 1.3853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 11 59 2753.37 -27.99 78.43 194.12 94.50 0 57 52 2153.4 -27.07 69.88
 90.00 16 15 46 4395.39 6.30 182.92 187.08 62.34 17 29 1 3795.4 2.55 176.26
 100.00 1 41 46 2463.80 -29.37 56.99 193.98 95.84 2 22 50 1863.8 -28.25 48.36
 100.00 17 28 40 4160.19 7.52 164.97 186.42 60.99 18 38 0 3560.2 3.60 158.38
 110.00 3 8 49 2191.43 -32.99 35.73 193.41 99.49 3 45 21 1591.4 -31.33 26.90
 110.00 18 18 6 4005.33 10.67 151.32 184.52 57.33 19 24 51 3405.3 6.28 144.97

DIFFERENTIAL CORRECTIONS

TDE 1.1933 TRA-2.0156 TC3-3.4967 BAU 1.0951
 RDE .2053 RRA .0372 RC3 .1238 FAU .04262
 FDE .6980 FRA -.0301 FC3-1.5760 BSP 13906
 BOE 1.2108 BRA 2.0160 BC3 3.4989 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 4424.6 SGR 274.9 SG3 149.9
 RRT -.1438 RRF .0347 RTF .8362
 SGB 4433.1 R23 -.1571 R13 -.8362
 SG1 4424.8 SG2 272.0 THA 179.49

ORBIT DETERMINATION ACCURACY

ST 1599.6 SR 243.6 SS 467.3
 CRT .8548 CRS -.9951 CST -.8917
 LSA 1667.5 MSA 236.1 SSA 14.2
 EL1 1613.2 EL2 125.3 ALF 7.46

LAUNCH DATE JAN 2 1966

FLIGHT TIME 148.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 445.365

RL 147.10 LAL .00 LOL 101.15 VL 27.105 GAL -5.27 AZL 85.39 HCA 222.89 SMA 124.06 ECC .20645 INC 4.6132 V1 30.287
 RP 108.92 LAP -3.14 LOP 323.95 VP 36.974 GAP 9.66 AZP 93.38 TAL 201.13 TAP 64.03 RCA 98.45 APO 149.67 V2 34.791
 RC 163.619 GL 27.37 GP -11.61 ZAL 121.64 ZAP 161.39 ETS 321.94 ZAE 129.55 ETE 189.90 ZAC 77.03 ETC 161.78 CLP-165.35

PLANETOCENTRIC CONIC

C3 22.302 VHL 4.723 DLA 15.79 RAL 326.72 RAD 6567.9 VEL 11.987 PTH 2.14 VMP 6.602 DPA -22.19 RAP 346.14 ECC 1.3670
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 17 40 2754.68 -27.99 78.52 195.65 94.45 1 3 35 2154.7 -27.08 69.98
 90.00 16 28 13 4370.48 5.51 181.52 188.69 62.18 17 41 3 3770.5 1.75 174.86
 100.00 1 47 44 2464.21 -29.37 57.02 195.51 95.83 2 28 49 1864.2 -28.25 48.39
 100.00 17 40 50 4136.18 6.73 163.63 188.03 60.81 18 49 46 3536.2 2.79 157.06
 110.00 3 15 23 2190.01 -32.98 35.62 194.94 99.55 3 51 53 1590.0 -31.31 26.80
 110.00 18 29 41 3983.14 9.85 150.12 186.13 57.10 19 36 4 3383.1 5.45 143.80

DIFFERENTIAL CORRECTIONS

TDE 1.2053 TRA-1.8935 TC3-3.7366 BAU 1.1149
 RDE .2099 RRA .0229 RC3 .1377 FAU .04116
 FDE .6787 FRA .0189 FC3-1.5978 BSP 14188
 BOE 1.2235 BRA 1.8937 BC3 3.7391 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 4504.8 SGR 287.4 SG3 148.5
 RRT -.1201 RRF .0288 RTF .8358
 SGB 4514.0 R23 -.1305 R13 -.8357
 SG1 4505.0 SG2 285.3 THA 179.56

ORBIT DETERMINATION ACCURACY

ST 1631.8 SR 254.9 SS 470.5
 CRT .8796 CRS -.9972 CST -.8946
 LSA 1701.4 MSA 232.3 SSA 15.3
 EL1 1647.2 EL2 120.1 ALF 7.86

LAUNCH DATE JAN 2 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 451.053

RL 147.10 LAL .00 LOL 101.15 VL 27.038 GAL -4.86 AZL 85.55 HCA 226.05 SMA 123.64 ECC .20715 INC 4.4532 V1 30.287
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.928 GAP 9.83 AZP 93.09 TAL 199.27 TAP 65.32 RCA 98.03 APO 149.25 V2 34.794
 RC 165.775 GL 26.94 GP -10.82 ZAL 119.58 ZAP 162.49 ETS 322.40 ZAE 129.79 ETE 189.28 ZAC 79.01 ETC 162.70 CLP-166.15

PLANETOCENTRIC CONIC

C3 21.319 VHL 4.617 DLA 16.27 RAL 329.11 RAD 6567.9 VEL 11.946 PTH 2.13 VMP 6.679 DPA -20.55 RAP 348.10 ECC 1.3509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 22 40 2761.28 -28.03 79.00 197.41 94.22 1 8 42 2161.3 -27.15 70.45
 90.00 16 42 16 4342.10 4.61 179.92 190.50 62.03 17 54 38 3742.1 .83 173.28
 100.00 1 53 8 2469.58 -29.41 57.41 197.28 95.62 2 34 17 1869.6 -28.32 48.78
 100.00 17 54 30 4109.03 5.83 162.12 189.84 60.63 19 2 59 3509.0 1.87 155.57
 110.00 3 21 33 2192.91 -33.01 35.84 196.72 99.43 3 58 6 1592.9 -31.36 27.01
 110.00 18 42 34 3958.47 8.93 148.80 187.94 56.87 19 48 32 3358.5 4.51 142.50

DIFFERENTIAL CORRECTIONS

TDE 1.2273 TRA-1.7633 TC3-3.9751 BAU 1.1338
 RDE .2145 RRA .0095 RC3 .1496 FAU .03966
 FDE .6626 FRA .0667 FC3-1.6104 BSP 14447
 BOE 1.2459 BRA 1.7633 BC3 3.9779 FSP -467

MID-COURSE EXECUTION ACCURACY

SGT 4581.4 SGR 300.1 SG3 147.0
 RRT -.0944 RRF .0283 RTF .8357
 SGB 4591.3 R23 -.1080 R13 -.8357
 SG1 4581.5 SG2 298.8 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 1673.0 SR 266.2 SS 475.4
 CRT .9034 CRS -.9974 CST -.8992
 LSA 1744.8 MSA 226.9 SSA 16.5
 EL1 1690.3 EL2 113.0 ALF 8.22

LAUNCH DATE JAN 2 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 456.733

RL 147.10 LAL .00 LOL 101.15 VL 26.972 GAL -4.44 AZL 85.69 MCA 229.22 SMA 123.23 ECC .20804 INC 4.3092 V1 30.287
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.883 GAP 10.00 AZP 92.82 TAL 197.40 TAP 66.61 RCA 97.59 APO 148.87 V2 34.798
 RC 167.915 GL 26.54 GP -10.13 ZAL 117.33 ZAP 163.52 ETS 322.66 ZAE 130.00 ETE 188.76 ZAC 81.06 ETC 163.51 CLP-166.93

PLANETOCENTRIC CONIC

C3 20.452 VML 4.522 DLA 16.84 RAL 331.63 RAD 6567.8 VEL 11.909 PTH 2.12 VHP 6.763 DPA -18.99 RAP 350.09 ECC 1.3366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 7 2772.79 -28.08 79.84 199.41 93.80 1 13 20 2172.8 -27.26 71.27
 90.00 16 57 53 4310.67 3.60 178.16 192.53 61.89 18 9 44 3710.7 -1.18 171.53
 100.00 1 58 3 2479.54 -29.47 58.14 199.29 95.24 2 39 23 1879.5 -28.43 49.49
 100.00 18 9 38 4079.16 4.83 160.47 191.85 60.46 19 17 37 3479.2 .86 153.93
 110.00 3 27 29 2199.77 -33.09 36.36 198.75 99.13 4 4 8 1599.8 -31.47 27.51
 110.00 18 56 43 3931.69 7.93 147.37 189.94 56.64 20 2 14 3331.7 3.49 141.10

DIFFERENTIAL CORRECTIONS

TOE 1.2602 TRA-1.6230 TC3-4.2054 BAU 1.1507
 RDE .2192 RRA -.0030 RC3 .1597 FAU .03805
 FDE .6505 FRA .1146 FC3-1.6107 BSP 14642
 BOE 1.2791 BRA 1.6230 BC3 4.2085 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 4651.1 SGR 313.0 SG3 145.2
 RRT -.0672 RRF .0337 RTF .8355
 SGB 4661.6 R23 -.0903 R13 -.8355
 SG1 4651.2 SG2 312.3 THA 179.74

ORBIT DETERMINATION ACCURACY

ST 1725.5 SR 277.7 SS 483.0
 CRT .9257 CRS -.9959 CST -.9055
 LSA 1799.7 MSA 220.2 SSA 17.6
 EL1 1744.6 EL2 103.9 ALF 8.50

LAUNCH DATE JAN 2 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 462.403

RL 147.10 LAL .00 LOL 101.15 VL 26.906 GAL -4.01 AZL 85.82 MCA 232.38 SMA 122.83 ECC .20912 INC 4.1784 V1 30.287
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.840 GAP 10.18 AZP 92.55 TAL 195.51 TAP 67.89 RCA 97.14 APO 148.51 V2 34.803
 RC 170.040 GL 26.15 GP -9.54 ZAL 114.92 ZAP 164.48 ETS 322.73 ZAE 130.20 ETE 188.30 ZAC 83.16 ETC 164.23 CLP-167.70

PLANETOCENTRIC CONIC

C3 19.695 VML 4.438 DLA 17.51 RAL 334.28 RAD 6567.8 VEL 11.878 PTH 2.11 VHP 6.853 DPA -17.50 RAP 352.12 ECC 1.3241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 7 2788.92 -28.15 81.02 201.66 93.21 1 17 36 2188.9 -27.41 72.43
 90.00 17 15 2 4276.58 2.51 176.25 194.78 61.79 18 26 19 3676.6 -1.28 169.62
 100.00 2 2 38 2493.77 -29.56 59.19 201.54 94.69 2 44 12 1893.8 -28.59 50.52
 100.00 18 26 12 4046.96 3.74 158.69 194.09 60.32 19 33 39 3447.0 -.24 152.16
 110.00 3 33 15 2210.29 -33.20 37.17 201.04 98.67 4 10 5 1610.3 -31.64 28.28
 110.00 19 12 5 3903.21 6.86 145.86 192.16 56.43 20 17 8 3303.2 2.40 139.61

DIFFERENTIAL CORRECTIONS

TOE 1.2968 TRA-1.4777 TC3-4.4362 BAU 1.1689
 RDE .2237 RRA -.0147 RC3 .1675 FAU .03655
 FDE .6378 FRA .1589 FC3-1.6067 BSP 14908
 BOE 1.3160 BRA 1.4777 BC3 4.4393 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 4723.2 SGR 325.5 SG3 143.5
 RRT -.0403 RRF .0389 RTF .8368
 SGB 4734.4 R23 -.0738 R13 -.8367
 SG1 4723.2 SG2 325.2 THA 179.84

ORBIT DETERMINATION ACCURACY

ST 1782.5 SR 289.0 SS 489.7
 CRT .9449 CRS -.9929 CST -.9123
 LSA 1858.8 MSA 212.0 SSA 18.7
 EL1 1803.3 EL2 93.5 ALF 8.75

LAUNCH DATE JAN 2 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 468.063

RL 147.10 LAL .00 LOL 101.15 VL 26.842 GAL -3.56 AZL 85.94 MCA 235.54 SMA 122.44 ECC .21041 INC 4.0583 V1 30.287
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.798 GAP 10.37 AZP 92.30 TAL 193.62 TAP 69.16 RCA 96.68 APO 148.20 V2 34.808
 RC 172.148 GL 25.75 GP -9.01 ZAL 112.33 ZAP 165.39 ETS 322.62 ZAE 130.39 ETE 187.90 ZAC 85.31 ETC 164.88 CLP-168.46

PLANETOCENTRIC CONIC

C3 19.046 VML 4.364 DLA 18.24 RAL 337.07 RAD 6567.8 VEL 11.850 PTH 2.10 VHP 6.950 DPA -16.05 RAP 354.16 ECC 1.3134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 44 2809.48 -28.22 82.52 204.15 92.46 1 21 34 2209.5 -27.58 73.91
 90.00 17 33 42 4240.15 1.33 174.22 197.27 61.71 18 44 22 3640.1 -2.46 167.59
 100.00 2 6 57 2512.09 -29.65 60.55 204.06 93.99 2 48 50 1912.1 -28.78 51.85
 100.00 18 44 10 4012.78 2.59 156.81 196.57 60.21 19 51 3 3412.8 -1.40 150.29
 110.00 3 38 57 2224.25 -33.33 38.23 203.60 98.05 4 16 2 1624.3 -31.86 29.31
 110.00 19 28 39 3873.38 5.74 144.28 194.62 56.24 20 33 13 3273.4 1.26 138.05

DIFFERENTIAL CORRECTIONS

TOE 1.3406 TRA-1.3237 TC3-4.6562 BAU 1.1864
 RDE .2284 RRA -.0255 RC3 .1730 FAU .03505
 FDE .6266 FRA .2020 FC3-1.5932 BSP 15163
 BOE 1.3599 BRA 1.3239 BC3 4.6594 FSP -451

MID-COURSE EXECUTION ACCURACY

SGT 4791.9 SGR 337.6 SG3 141.7
 RRT -.0132 RRF .0486 RTF .8385
 SGB 4803.8 R23 -.0597 R13 -.8385
 SG1 4791.9 SG2 337.6 THA 179.95

ORBIT DETERMINATION ACCURACY

ST 1847.7 SR 300.1 SS 497.1
 CRT .9613 CRS -.9885 CST -.9197
 LSA 1926.1 MSA 202.7 SSA 19.9
 EL1 1870.1 EL2 81.7 ALF 8.89

LAUNCH DATE JAN 2 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 473.712

RL 147.10 LAL .00 LOL 101.15 VL 26.779 GAL -3.11 AZL 86.05 MCA 238.71 SMA 122.06 ECC .21190 INC 3.9468 V1 30.287
 RP 108.85 LAP -3.37 LOP 339.80 VP 36.758 GAP 10.56 AZP 92.05 TAL 191.72 TAP 70.43 RCA 96.19 APO 147.92 V2 34.814
 RC 174.239 GL 25.33 GP -8.55 ZAL 109.59 ZAP 166.26 ETS 322.31 ZAE 130.57 ETE 187.56 ZAC 87.50 ETC 165.46 CLP-169.20

PLANETOCENTRIC CONIC

C3 18.504 VML 4.302 DLA 19.04 RAL 340.01 RAD 6567.7 VEL 11.827 PTH 2.09 VHP 7.053 DPA -14.65 RAP 356.23 ECC 1.3045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 3 2834.34 -28.28 84.33 206.90 91.56 1 25 17 2234.3 -27.76 75.70
 90.00 17 53 52 4201.71 .09 172.08 200.02 61.68 19 3 54 3601.7 -3.69 165.44
 100.00 2 11 5 2534.30 -29.74 62.19 206.83 93.13 2 53 20 1934.3 -28.99 53.47
 100.00 19 3 30 3976.98 1.38 154.84 199.31 60.14 20 9 47 3377.0 -2.61 148.32
 110.00 3 44 41 2241.46 -33.49 39.55 206.43 97.28 4 22 3 1641.5 -32.12 30.59
 110.00 19 46 24 3842.59 4.57 142.66 197.32 56.09 20 50 26 3242.6 .09 136.45

DIFFERENTIAL CORRECTIONS

TOE 1.3907 TRA-1.1606 TC3-4.8610 BAU 1.2033
 RDE .2333 RRA -.0352 RC3 .1760 FAU .03356
 FDE .6164 FRA .2440 FC3-1.5701 BSP 15415
 BOE 1.4102 BRA 1.1612 BC3 4.8642 FSP -448

MID-COURSE EXECUTION ACCURACY

SGT 4857.5 SGR 349.3 SG3 139.8
 RRT .0139 RRF .0593 RTF .8409
 SGB 4870.1 R23 .0476 R13 .8409
 SG1 4857.5 SG2 349.2 THA .06

ORBIT DETERMINATION ACCURACY

ST 1920.4 SR 311.2 SS 504.8
 CRT .9747 CRS -.9831 CST -.9273
 LSA 2000.5 MSA 192.7 SSA 21.1
 EL1 1944.2 EL2 68.7 ALF 8.99

LAUNCH DATE JAN 2 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 479.350

RL 147.10 LAL .00 LOL 101.15 VL 26.718 GAL -2.64 AZL 86.16 MCA 241.87 SMA 121.69 ECC .21363 INC 3.8426 V1 30.287
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.720 GAP 10.76 A7P 91.81 TAL 189.82 TAP 71.69 RCA 95.69 APO 147.68 V2 34.821
 RC 176.312 GL 24.88 GP -8.14 ZAL 106.69 ZAP 167.08 ETS 321.81 ZAE 130.75 ETE 187.26 ZAC 89.73 ETC 165.99 CLP-169.94

PLANETOCENTRIC CONIC

C3 18.071 VHL 4.251 DLA 19.88 RAL 343.11 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 7.163 DPA -13.29 RAP 358.32 ECC 1.2974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 6 2863.36 -28.31 86.45 209.91 90.49 1 28 49 2263.4 -27.94 77.81
 90.00 18 15 31 4161.61 -1.20 169.84 203.04 61.71 19 24 52 3561.6 -4.97 163.19
 100.00 2 15 6 2560.24 -29.82 64.12 209.87 92.12 2 57 46 1960.2 -29.21 55.37
 100.00 19 24 12 3939.96 .12 152.81 202.31 60.11 20 29 52 3340.0 -3.86 146.28
 110.00 3 50 31 2261.71 -33.65 41.11 209.53 96.37 4 28 13 1661.7 -32.41 32.10
 110.00 20 5 16 3811.25 3.38 141.02 200.27 55.96 21 8 47 3211.3 -1.11 134.81

DIFFERENTIAL CORRECTIONS

TOE 1.4498 TRA -.9843 TC3-5.0372 BAU 1.2177
 RDE .2387 RRA -.0438 RC3 .1768 FAU .03197
 FDE .6092 FRA .2877 FC3-1.5316 BSP 15564
 BDE 1.4693 BRA .9853 BC3 5.0403 FSP -439

MID-COURSE EXECUTION ACCURACY

SGT 4914.2 SGR 360.7 SG3 137.7
 RRT .0414 RRF .0741 RTF .8426
 SGB 4927.4 R23 .0390 R13 .8426
 SG1 4914.2 SG2 360.4 TMA .18

ORBIT DETERMINATION ACCURACY

ST 2003.5 SR 322.4 SS 514.4
 CRT .9850 CRS -.9766 CST -.9349
 LSA 2085.3 MSA 182.8 SSA 22.2
 EL1 2028.5 EL2 54.9 ALF 9.01

LAUNCH DATE JAN 2 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 484.974

RL 147.10 LAL .00 LOL 101.15 VL 26.657 GAL -2.16 AZL 86.26 MCA 245.04 SMA 121.33 ECC .21559 INC 3.7443 V1 30.287
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.682 GAP 10.97 A7P 91.58 TAL 187.91 TAP 72.94 RCA 95.17 APO 147.48 V2 34.828
 RC 178.366 GL 24.39 GP -7.78 ZAL 103.64 ZAP 167.87 ETS 321.10 ZAE 130.93 ETE 187.00 ZAC 91.99 ETC 166.46 CLP-170.66

PLANETOCENTRIC CONIC

C3 17.751 VHL 4.213 DLA 20.76 RAL 346.36 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 7.280 DPA -11.96 RAP .43 ECC 1.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 57 2896.41 -28.31 88.87 213.18 89.28 1 32 13 2296.4 -28.11 80.21
 90.00 18 38 35 4120.23 -2.53 167.53 206.34 61.79 19 47 16 3520.2 -6.29 160.86
 100.00 2 19 3 2589.72 -29.88 66.31 213.17 90.97 3 2 13 1989.7 -29.42 57.53
 100.00 19 48 10 3902.16 -1.16 150.74 205.58 60.13 20 51 12 3302.2 -5.13 144.20
 110.00 3 56 32 2284.77 -33.81 42.89 212.92 95.33 4 34 36 1684.8 -32.71 33.83
 110.00 20 25 11 3779.87 2.18 139.58 203.49 55.88 21 28 11 3179.9 -2.31 133.18

DIFFERENTIAL CORRECTIONS

TOE 1.5103 TRA -.8020 TC3-5.1937 BAU 1.2332
 RDE .2446 RRA -.0513 RC3 .1748 FAU .03050
 FDE .6005 FRA .3281 FC3-1.4875 BSP 15797
 BDE 1.5300 BRA .8037 BC3 5.1966 FSP -435

MID-COURSE EXECUTION ACCURACY

SGT 4973.1 SGR 371.3 SG3 135.7
 RRT .0680 RRF .0883 RTF .8460
 SGB 4986.9 R23 .0305 R13 .8460
 SG1 4973.1 SG2 370.4 TMA .29

ORBIT DETERMINATION ACCURACY

ST 2087.7 SR 333.4 SS 522.0
 CRT .9920 CRS -.9695 CST -.9420
 LSA 2170.6 MSA 172.8 SSA 23.2
 EL1 2113.7 EL2 41.7 ALF 9.00

LAUNCH DATE JAN 2 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 490.583

RL 147.10 LAL .00 LOL 101.15 VL 26.597 GAL -1.66 AZL 86.35 MCA 248.21 SMA 120.97 ECC .21780 INC 3.6510 V1 30.287
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.646 GAP 11.19 A7P 91.36 TAL 185.99 TAP 74.20 RCA 94.62 APO 147.32 V2 34.836
 RC 180.400 GL 23.84 GP -7.45 ZAL 100.46 ZAP 168.62 ETS 320.16 ZAE 131.10 ETE 186.77 ZAC 94.27 ETC 166.88 CLP-171.58

PLANETOCENTRIC CONIC

C3 17.549 VHL 4.189 DLA 21.64 RAL 349.76 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 7.405 DPA -10.65 RAP 2.55 ECC 1.2888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 38 2933.35 -28.25 91.57 216.70 87.93 1 35 31 2333.3 -28.24 82.91
 90.00 19 3 3 4077.99 -3.89 165.17 209.94 61.93 20 11 1 3478.0 -7.62 158.47
 100.00 2 23 2 2622.49 -29.89 68.74 216.74 89.68 3 6 44 2022.5 -29.61 59.95
 100.00 20 9 20 3864.07 -2.45 148.85 209.14 60.20 21 13 44 3264.1 -6.40 142.09
 110.00 4 2 48 2310.37 -33.96 44.88 216.58 94.17 4 41 18 1710.4 -33.01 35.77
 110.00 20 46 3 3748.96 1.00 137.77 206.98 55.83 21 48 32 3149.0 -3.49 131.56

DIFFERENTIAL CORRECTIONS

TOE 1.5742 TRA -.6090 TC3-5.3153 BAU 1.2477
 RDE .2510 RRA -.0575 RC3 .1701 FAU .02903
 FDE .5916 FRA .3685 FC3-1.4319 BSP 16007
 BDE 1.5941 BRA .6117 BC3 5.3180 FSP -430

MID-COURSE EXECUTION ACCURACY

SGT 5027.0 SGR 381.3 SG3 133.5
 RRT .0940 RRF .1035 RTF .8495
 SGB 5041.4 R23 .0232 R13 .8495
 SG1 5027.1 SG2 379.6 TMA .41

ORBIT DETERMINATION ACCURACY

ST 2173.9 SR 344.3 SS 528.5
 CRT .9960 CRS -.9617 CST -.9484
 LSA 2257.5 MSA 163.8 SSA 24.2
 EL1 2200.8 EL2 30.4 ALF 8.97

LAUNCH DATE JAN 2 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 496.176

RL 147.10 LAL .00 LOL 101.15 VL 26.538 GAL -1.15 AZL 86.44 MCA 251.38 SMA 120.63 ECC .22029 INC 3.5616 V1 30.287
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.612 GAP 11.42 A7P 91.14 TAL 184.07 TAP 75.45 RCA 94.06 APO 147.20 V2 34.845
 RC 182.414 GL 23.22 GP -7.16 ZAL 97.16 ZAP 169.34 ETS 318.98 ZAE 131.27 ETE 186.57 ZAC 96.57 ETC 167.25 CLP-172.08

PLANETOCENTRIC CONIC

C3 17.473 VHL 4.180 DLA 22.53 RAL 353.31 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 7.538 DPA -9.37 RAP 4.68 ECC 1.2876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 12 2973.97 -28.11 94.54 220.48 86.45 1 38 46 2374.0 -28.31 85.88
 90.00 19 28 48 4035.35 -5.25 162.77 213.82 62.13 20 36 4 3435.4 -8.94 156.04
 100.00 2 27 6 2658.28 -29.85 71.40 220.57 88.28 3 11 24 2058.3 -29.77 62.60
 100.00 20 33 35 3826.27 -3.73 146.57 212.98 60.32 21 37 21 3226.3 -7.65 139.98
 110.00 4 9 25 2338.18 -34.08 47.04 220.52 92.89 4 48 23 1738.2 -33.30 37.89
 110.00 21 7 45 3719.13 -1.14 136.21 210.74 55.82 22 9 45 3119.1 -4.62 130.00

DIFFERENTIAL CORRECTIONS

TOE 1.6432 TRA -.4030 TC3-5.3924 BAU 1.2602
 RDE .2584 RRA -.0623 RC3 .1631 FAU .02754
 FDE .5839 FRA .4095 FC3-1.3645 BSP 16147
 BDE 1.6634 BRA .4078 BC3 5.3948 FSP -423

MID-COURSE EXECUTION ACCURACY

SGT 5074.8 SGR 390.6 SG3 131.4
 RRT .1203 RRF .1210 RTF .8531
 SGB 5089.8 R23 .0179 R13 .8531
 SG1 5075.0 SG2 387.8 TMA .53

ORBIT DETERMINATION ACCURACY

ST 2263.5 SR 355.3 SS 535.1
 CRT .9975 CRS -.9534 CST -.9543
 LSA 2347.6 MSA 156.1 SSA 25.0
 EL1 2291.1 EL2 25.0 ALF 8.90

LAUNCH DATE JAN 2 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 26.480 GAL -.62 AZL 86.32 MCA 254.55 SMA 120.29 ECC .22307 INC 3.4754 V1 30.287
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.578 GAP 11.67 AZP 90.93 TAL 182.15 TAP 76.70 RCA 93.46 APO 147.13 V2 34.854
 RC 184.407 GL 22.54 GP -6.89 ZAL 93.76 ZAP 170.03 ETS 317.51 ZAE 131.44 ETE 186.39 ZAC 98.90 ETC 167.59 CLP-172.78

PLANETOCENTRIC CONIC

C3 17.531 VHL 4.187 DLA 23.39 RAL 357.00 RAD 6567.7 VEL 11.786 PTH 2.08 VMP 7.680 DPA -8.11 RAP 6.82 ECC 1.2885
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 42 3018.01 -27.88 97.74 224.49 84.86 1 42 0 2418.0 -28.30 89.10
 90.00 19 55 42 3992.86 -6.60 160.38 217.99 62.40 21 2 15 3392.9 -10.24 153.59
 100.00 2 31 21 2696.69 -29.74 74.25 224.65 86.79 3 16 18 2096.7 -29.86 65.45
 100.00 20 58 44 3789.41 -4.97 144.53 217.10 60.49 22 1 54 3189.4 -8.86 137.91
 110.00 4 16 28 2367.82 -34.15 49.35 224.72 91.52 4 55 56 1767.8 -33.57 40.16
 110.00 21 30 6 3691.04 -1.21 134.75 214.76 55.84 22 31 37 3091.0 -5.69 128.52

DIFFERENTIAL CORRECTIONS

TOE 1.7102 TRA -1.882 TC3-5.4292 BAU 1.2730
 ROE .2666 RRA -.0637 RC3 .1536 FAU .02611
 FOE .5739 FRA .4494 FC3-1.2893 BSP 16326
 BOE 1.7308 BRA .1994 BC3 5.4314 FSP -417

MID-COURSE EXECUTION ACCURACY

SGT 5121.1 SGR 399.1 SG3 129.1
 RRT .1451 RRF .1376 RTF .8573
 SGB 5136.6 R23 .0125 R13 .8573
 SG1 5121.4 SG2 394.8 THA .65

ORBIT DETERMINATION ACCURACY

ST 2345.7 SR 366.1 SS 538.3
 CRT .9967 CRS -.9445 CST -.9592
 LSA 2429.6 MSA 150.0 SSA 25.5
 EL1 2373.9 EL2 29.6 ALF 8.84

LAUNCH DATE JAN 2 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 26.423 GAL -.07 AZL 86.61 MCA 257.72 SMA 119.97 ECC .22616 INC 3.3919 V1 30.287
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.546 GAP 11.93 AZP 90.72 TAL 180.23 TAP 77.95 RCA 92.83 APO 147.10 V2 34.863
 RC 186.379 GL 21.79 GP -6.65 ZAL 90.27 ZAP 170.69 ETS 315.72 ZAE 131.61 ETE 186.24 ZAC 101.24 ETC 167.88 CLP-173.48

PLANETOCENTRIC CONIC

C3 17.735 VHL 4.211 DLA 24.21 RAL .80 RAD 6567.7 VEL 11.795 PTH 2.09 VMP 7.831 DPA -6.86 RAP 8.98 ECC 1.2919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 11 3065.11 -27.55 101.14 228.72 83.18 1 45 16 2465.1 -28.21 92.54
 90.00 20 23 34 3951.12 -7.91 158.01 222.43 62.72 21 29 25 3351.1 -11.50 151.17
 100.00 2 35 53 2737.22 -29.54 77.25 228.95 85.22 3 21 30 2137.2 -29.89 68.46
 100.00 21 24 33 3754.24 -6.14 142.59 221.48 60.69 22 27 8 3154.2 -10.01 135.93
 110.00 4 24 3 2398.81 -34.18 51.77 229.17 90.09 5 4 2 1798.8 -33.79 42.55
 110.00 21 52 53 3665.42 -2.19 133.41 219.03 55.88 22 53 58 3065.4 -6.66 127.17

DIFFERENTIAL CORRECTIONS

TOE 1.7765 TRA .0192 TC3-5.4306 BAU 1.2880
 ROE .2756 RRA -.0694 RC3 .1399 FAU .02528
 FOE .5592 FRA .4662 FC3-1.2341 BSP 16726
 BOE 1.7977 BRA .0720 BC3 5.4324 FSP -444

MID-COURSE EXECUTION ACCURACY

SGT 5173.3 SGR 406.5 SG3 126.5
 RRT .1733 RRF .1526 RTF .8732
 SGB 5189.3 R23 .0004 R13 .8732
 SG1 5173.8 SG2 400.3 THA .78

ORBIT DETERMINATION ACCURACY

ST 2420.8 SR 376.3 SS 534.2
 CRT .9941 CRS -.9381 CST -.9653
 LSA 2503.4 MSA 141.0 SSA 25.5
 EL1 2449.6 EL2 40.3 ALF 8.79

LAUNCH DATE JAN 2 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 26.367 GAL .50 AZL 86.69 MCA 260.90 SMA 119.65 ECC .22959 INC 3.3102 V1 30.287
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.516 GAP 12.20 AZP 90.52 TAL 178.31 TAP 79.20 RCA 92.18 APO 147.12 V2 34.873
 RC 188.330 GL 20.97 GP -6.44 ZAL 86.73 ZAP 171.32 ETS 313.57 ZAE 131.78 ETE 186.10 ZAC 103.59 ETC 168.13 CLP-174.17

PLANETOCENTRIC CONIC

C3 18.098 VHL 4.254 DLA 24.98 RAL 4.70 RAD 6567.7 VEL 11.810 PTH 2.09 VMP 7.993 DPA -5.64 RAP 11.15 ECC 1.2978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 43 3114.91 -27.10 104.72 233.14 81.45 1 48 38 2514.9 -28.00 96.17
 90.00 20 52 11 3910.76 -9.16 159.70 227.13 63.09 21 57 22 3310.8 -12.70 148.81
 100.00 2 40 48 2779.34 -29.26 80.35 233.46 83.61 3 27 8 2179.3 -29.84 71.59
 100.00 21 50 47 3721.57 -7.23 140.77 226.10 60.92 22 52 49 3121.6 -11.05 134.07
 110.00 4 32 15 2430.68 -34.16 54.26 233.85 88.62 5 12 45 1830.7 -33.97 45.02
 110.00 22 15 50 3642.99 -3.05 132.24 223.52 55.94 23 16 33 3043.0 -7.50 125.98

DIFFERENTIAL CORRECTIONS

TOE 1.8442 TRA .2761 TC3-5.3504 BAU 1.2949
 ROE .2867 RRA -.0681 RC3 .1290 FAU .02325
 FOE .5568 FRA .5303 FC3-1.1122 BSP 16633
 BOE 1.8664 BRA .2843 BC3 5.3519 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 5202.0 SGR 414.0 SG3 124.6
 RRT .1941 RRF .1777 RTF .8658
 SGB 5218.4 R23 .0087 R13 .8658
 SG1 5202.6 SG2 406.1 THA .89

ORBIT DETERMINATION ACCURACY

ST 2490.6 SR 387.4 SS 543.4
 CRT .9898 CRS -.9263 CST -.9673
 LSA 2574.3 MSA 144.6 SSA 25.5
 EL1 2520.0 EL2 54.5 ALF 8.76

LAUNCH DATE JAN 2 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 101.15 VL 26.312 GAL 1.10 AZL 86.77 MCA 264.08 SMA 119.34 ECC .23339 INC 3.2300 V1 30.287
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.486 GAP 12.49 AZP 90.33 TAL 176.39 TAP 80.46 RCA 91.48 APO 147.19 V2 34.884
 RC 190.259 GL 20.08 GP -6.24 ZAL 83.15 ZAP 171.92 ETS 311.00 ZAE 131.95 ETE 185.98 ZAC 105.96 ETC 168.34 CLP-174.86

PLANETOCENTRIC CONIC

C3 18.635 VHL 4.317 DLA 25.67 RAL 8.68 RAD 6567.8 VEL 11.833 PTH 2.10 VMP 8.167 DPA -4.43 RAP 13.33 ECC 1.3067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 25 3166.76 -26.52 108.40 237.71 79.69 1 52 12 2566.8 -27.67 99.93
 90.00 21 21 13 3872.62 -10.33 153.51 232.06 63.49 22 25 46 3272.6 -13.81 146.56
 100.00 2 46 17 2822.23 -28.90 83.49 238.15 82.00 3 33 19 2222.2 -29.70 74.77
 100.00 22 17 2 3692.38 -8.19 139.14 230.92 61.15 23 18 34 3092.4 -11.98 132.39
 110.00 4 41 9 2462.81 -34.08 56.77 238.73 87.14 5 22 12 1862.8 -34.10 47.52
 110.00 22 38 39 3624.56 -3.75 131.27 228.20 56.00 23 39 3 3024.6 -8.19 125.00

DIFFERENTIAL CORRECTIONS

TOE 1.9045 TRA .5246 TC3-5.2378 BAU 1.3052
 ROE .2984 RRA -.0670 RC3 .1143 FAU .02197
 FOE .5449 FRA .5692 FC3-1.0205 BSP 16830
 BOE 1.9278 BRA .5288 BC3 5.2390 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 5238.0 SGR 420.0 SG3 122.2
 RRT .2177 RRF .1966 RTF .8716
 SGB 5254.8 R23 .0058 R13 .8716
 SG1 5238.8 SG2 409.8 THA 1.01

ORBIT DETERMINATION ACCURACY

ST 2542.0 SR 397.2 SS 540.6
 CRT .9844 CRS -.9166 CST -.9704
 LSA 2624.9 MSA 144.9 SSA 24.9
 EL1 2571.9 EL2 69.0 ALF 8.75

LAUNCH DATE JAN 2 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 26.258 GAL 1.72 AZL 86.85 MCA 267.25 SMA 119.03 ECC .23758 INC 3.1506 V1 30.287
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.457 GAP 12.81 AZP 90.15 TAL 174.47 TAP 81.73 RCA 90.75 APO 147.31 V2 34.895
 RC 192.167 GL 19.13 GP -6.06 ZAL 79.56 ZAP 172.48 ETS 307.94 ZAE 132.11 ETE 185.88 ZAC 108.34 ETC 168.52 CLP-175.54

PLANETOCENTRIC CONIC
 C3 19.366 VML 4.401 DLA 26.28 RAL 12.70 RAD 6567.8 VEL 11.864 PTH 2.10 VMP 8.354 DPA -3.25 RAP 15.52 ECC 1.3187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 24 3219.95 -25.81 112.14 242.42 77.94 1 56 4 2619.9 -27.22 103.75
 90.00 21 50 18 3837.57 -11.39 151.48 237.17 63.90 22 54 16 3237.6 -14.80 144.47
 100.00 2 52 29 2865.04 -28.45 86.59 242.99 80.43 3 40 14 2265.0 -29.48 77.94
 100.00 22 42 54 3667.71 -9.00 137.75 235.92 61.37 23 44 2 3067.7 -12.75 130.97
 110.00 4 50 51 2494.67 -33.94 59.25 243.77 85.68 5 32 26 1894.7 -34.17 50.01
 110.00 23 1 1 3610.85 -4.27 130.55 233.03 56.05 24 1 12 3010.8 -8.70 124.27

DIFFERENTIAL CORRECTIONS
 TOE 1.9638 TRA .7905 TC3-5.0668 BAU 1.3121 SGT 5267.0 SGR 425.2 SG3 120.0 ST 2583.3 SR 406.5 SS 537.5
 RDE .3115 RRA -.0641 RC3 .0992 FAU .02062 RRT .2414 RRF .2176 RTF .8769 CRT .9779 CRS -.9064 CST -.9731
 FDE .5339 FRA .6109 FC3 -.9216 BSP 16907 SGB 5284.2 R23 .0047 R13 .8769 LSA 2665.6 MSA 147.7 S5A 23.9
 BDE 1.9883 BRA .7931 BC3 5.0677 FSP -392 SG1 5268.0 SG2 412.5 THA 1.12 EL1 2613.8 EL2 84.1 ALF 8.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 26.205 GAL 2.36 AZL 86.93 MCA 270.44 SMA 118.73 ECC .24221 INC 3.0716 V1 30.287
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.430 GAP 13.14 AZP 89.98 TAL 172.56 TAP 83.00 RCA 89.98 APO 147.49 V2 34.906
 RC 194.054 GL 18.14 GP -5.90 ZAL 76.00 ZAP 173.00 ETS 304.30 ZAE 132.27 ETE 185.79 ZAC 110.72 ETC 168.66 CLP-176.23

PLANETOCENTRIC CONIC
 C3 20.313 VML 4.507 DLA 26.79 RAL 16.73 RAD 6567.8 VEL 11.904 PTH 2.12 VMP 8.554 DPA -2.08 RAP 17.71 ECC 1.3343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 53 3273.43 -25.00 115.84 247.22 76.25 2 0 27 2673.4 -26.65 107.56
 90.00 22 18 58 3806.79 -12.30 149.68 242.43 64.29 23 22 25 3206.8 -15.66 142.62
 100.00 2 59 38 2906.74 -27.94 89.59 247.95 78.93 3 48 5 2306.7 -29.19 81.00
 100.00 23 7 54 3648.71 -9.62 136.68 241.03 61.56 24 8 43 3048.7 -13.34 129.87
 110.00 5 1 25 2525.68 -33.76 61.65 248.95 84.27 5 43 31 1925.7 -34.18 52.43
 110.00 23 22 37 3602.53 -4.59 130.12 237.97 56.09 24 22 40 3002.5 -9.01 123.82

DIFFERENTIAL CORRECTIONS
 TOE 2.0128 TRA 1.0670 TC3-4.8561 BAU 1.3190 SGT 5293.1 SGR 429.2 SG3 117.6 ST 2602.4 SR 414.7 SS 530.7
 RDE .3236 RRA -.0597 RC3 .0838 FAU .01934 RRT .2638 RRF .2376 RTF .8824 CRT .9703 CRS -.8954 CST -.9752
 FDE .5203 FRA .6520 FC3 -.8242 BSP 17043 SGB 5310.5 R23 .0035 R13 .8824 LSA 2683.7 MSA 152.4 S5A 22.8
 BDE 2.0390 BRA 1.0686 BC3 4.8568 FSP -386 SG1 5294.3 SG2 413.9 THA 1.23 EL1 2633.4 EL2 99.1 ALF 8.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 26.153 GAL 3.04 AZL 87.01 MCA 273.62 SMA 118.45 ECC .24731 INC 2.9925 V1 30.287
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.404 GAP 13.50 AZP 89.81 TAL 170.67 TAP 84.29 RCA 89.15 APO 147.74 V2 34.918
 RC 195.918 GL 17.10 GP -5.76 ZAL 72.48 ZAP 173.47 ETS 300.02 ZAE 132.42 ETE 185.71 ZAC 113.11 ETC 168.76 CLP-176.92

PLANETOCENTRIC CONIC
 C3 21.503 VML 4.637 DLA 27.20 RAL 20.74 RAD 6567.9 VEL 11.953 PTH 2.13 VMP 8.771 DPA -.93 RAP 19.92 ECC 1.3539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 10 14 3325.76 -24.11 119.42 252.10 74.68 2 5 40 2725.8 -25.98 111.25
 90.00 22 46 36 3781.77 -13.03 148.21 247.78 64.64 23 49 38 3181.8 -16.35 141.10
 100.00 3 7 58 2946.23 -27.40 92.39 253.01 77.55 3 57 4 2346.2 -28.84 83.89
 100.00 23 31 33 3636.53 -10.01 135.99 246.22 61.69 24 32 10 3036.5 -13.72 129.16
 110.00 5 12 52 2555.39 -33.53 63.94 254.23 82.93 5 55 27 1955.4 -34.15 54.73
 110.00 23 43 9 3600.14 -4.68 129.99 242.98 56.10 24 43 9 3000.1 -9.10 123.69

DIFFERENTIAL CORRECTIONS
 TOE 2.0552 TRA 1.3580 TC3-4.6057 BAU 1.3242 SGT 5315.4 SGR 432.3 SG3 115.2 ST 2604.8 SR 421.7 SS 522.8
 RDE .3408 RRA -.0534 RC3 .0687 FAU .01811 RRT .2860 RRF .2583 RTF .8882 CRT .9618 CRS -.8838 CST -.9771
 FDE .5066 FRA .6943 FC3 -.7290 BSP 17173 SGB 5332.9 R23 .0028 R13 .8882 LSA 2685.2 MSA 158.7 S5A 21.6
 BDE 2.0833 BRA 1.3591 BC3 4.6062 FSP -381 SG1 5316.8 SG2 414.1 THA 1.34 EL1 2636.2 EL2 114.1 ALF 8.87

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 101.15 VL 26.102 GAL 3.74 AZL 87.09 MCA 276.80 SMA 118.16 ECC .25293 INC 2.9128 V1 30.287
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.379 GAP 13.89 AZP 89.63 TAL 168.78 TAP 85.59 RCA 88.28 APO 148.05 V2 34.930
 RC 197.761 GL 16.03 GP -5.62 ZAL 69.03 ZAP 173.89 ETS 295.01 ZAE 132.57 ETE 185.64 ZAC 115.50 ETC 168.82 CLP-177.61

PLANETOCENTRIC CONIC
 C3 22.968 VML 4.793 DLA 27.50 RAL 24.69 RAD 6567.9 VEL 12.014 PTH 2.14 VMP 9.005 DPA .20 RAP 22.14 ECC 1.3780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 15 57 3374.85 -23.18 122.72 257.05 73.27 2 12 12 2774.8 -25.26 114.56
 90.00 23 12 24 3764.61 -13.53 147.20 253.16 64.89 24 15 8 3164.6 -16.81 140.05
 100.00 3 17 41 2982.41 -26.84 94.94 258.14 76.32 4 7 24 2382.4 -28.45 86.51
 100.00 23 53 21 3632.28 -10.15 135.75 251.43 61.73 24 53 53 3032.3 -13.85 128.91
 110.00 5 25 11 2583.43 -33.28 66.09 259.59 81.68 6 8 14 1983.4 -34.07 56.94
 110.00 0 6 16 3604.03 -4.53 130.20 248.01 56.08 1 6 20 3004.0 -8.96 123.90

DIFFERENTIAL CORRECTIONS
 TOE 2.0925 TRA 1.6675 TC3-4.3171 BAU 1.3257 SGT 5332.2 SGR 434.5 SG3 113.0 ST 2593.9 SR 427.4 SS 514.7
 RDE .3572 RRA -.0453 RC3 .0546 FAU .01684 RRT .3083 RRF .2804 RTF .8938 CRT .9522 CRS -.8716 CST -.9788
 FDE .4935 FRA .7387 FC3 -.6348 BSP 17203 SGB 5349.9 R23 .0033 R13 .8938 LSA 2673.6 MSA 166.4 S5A 20.3
 BDE 2.1228 BRA 1.6682 BC3 4.3175 FSP -372 SG1 5333.9 SG2 413.2 THA 1.45 EL1 2625.7 EL2 128.9 ALF 8.94

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 2 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 545.267

RL 147.10 LAL .00 LOL 101.15 VL 26.051 GAL 4.49 AZL 87.17 HCA 279.99 SMA 117.89 ECC .25912 INC 2.8319 V1 30.287
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.354 GAP 14.31 A7P 89.51 TAL 166.91 TAP 86.90 RCA 87.34 APO 148.43 V2 34.942
 RC 199.580 GL 14.95 GP -5.50 ZAL 65.67 ZAP 174.25 ETS 289.22 ZAE 132.71 ETE 185.57 ZAC 117.88 ETC 168.83 CLP-178.30

PLANETOCENTRIC CONIC

C3 24.746 VHL 4.975 DLA 27.69 RAL 28.55 RAD 6568.0 VEL 12.088 PTH 2.16 VHP 9.259 DPA 1.31 RAP 24.36 ECC 1.4073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 51 3417.76 -22.31 125.56 262.05 72.10 2 20 49 2817.8 -24.55 117.61
 90.00 23 35 19 3758.20 -13.72 146.82 258.50 64.98 24 37 57 3158.2 -16.98 139.66
 100.00 3 29 0 3014.35 -26.31 97.16 263.33 75.26 4 19 14 2414.4 -28.07 88.80
 100.00 0 18 47 3636.84 -10.00 136.00 256.60 61.68 1 17 24 3036.8 -13.71 129.18
 110.00 5 38 20 2609.60 -33.00 68.08 264.98 80.53 6 21 49 2009.6 -33.95 58.97
 110.00 0 23 57 3614.36 -4.14 130.74 253.03 56.04 1 24 11 3014.4 -8.57 124.45

DIFFERENTIAL CORRECTIONS

TOE 2.1179 TRA 1.9899 TC3-4.0115 BAU 1.3272
 ROE .3742 RRA -.0355 RC3 .0415 FAU .01568
 FOE .4784 FRA .7834 FC3 -.5485 BSP 17313
 BOE 2.1507 BRA 1.9902 BC3 4.0117 FSP -367

MID-COURSE EXECUTION ACCURACY

SGT 5345.9 SGR 435.4 SG3 110.6
 RRT .3295 RRF .3011 RTF .8998
 SGB 5363.6 R23 .0030 R13 .8998
 SG1 5347.9 SG2 411.0 THA 1.55

ORBIT DETERMINATION ACCURACY

ST 2562.8 SR 431.2 SS 504.2
 CRT .9415 CRS -.8580 CST -.9802
 LSA 2641.4 MSA 175.2 SSA 19.1
 EL1 2594.8 EL2 143.6 ALF 9.03

LAUNCH DATE JAN 2 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 550.492

RL 147.10 LAL .00 LOL 101.15 VL 26.002 GAL 5.27 AZL 87.25 HCA 283.18 SMA 117.62 ECC .26595 INC 2.7494 V1 30.287
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.331 GAP 14.77 A7P 89.37 TAL 165.06 TAP 88.24 RCA 86.34 APO 148.90 V2 34.955
 RC 201.378 GL 13.86 GP -5.39 ZAL 62.43 ZAP 174.52 ETS 282.65 ZAE 132.84 ETE 185.51 ZAC 120.27 ETC 168.81 CLP-179.00

PLANETOCENTRIC CONIC

C3 26.884 VHL 5.185 DLA 27.78 RAL 32.30 RAD 6568.1 VEL 12.176 PTH 2.19 VHP 9.534 DPA 2.40 RAP 26.59 ECC 1.4424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 50 3451.24 -21.60 127.76 267.14 71.23 2 32 22 2851.2 -23.96 119.88
 90.00 23 54 14 3765.68 -13.50 147.26 263.72 64.87 24 56 59 3165.7 -16.78 140.12
 100.00 3 41 56 3041.52 -25.82 99.03 268.56 74.39 4 32 38 2441.5 -27.71 90.74
 100.00 0 33 45 3650.63 -9.56 136.79 261.68 61.54 1 34 36 3050.6 -13.28 129.98
 110.00 5 52 11 2633.86 -32.71 69.92 270.39 79.48 6 36 5 2033.9 -33.82 60.85
 110.00 0 39 59 3631.05 -3.50 131.61 257.99 55.98 1 40 30 3031.1 -7.95 125.34

DIFFERENTIAL CORRECTIONS

TOE 2.1354 TRA 2.3306 TC3-3.6889 BAU 1.3259
 ROE .3920 RRA -.0238 RC3 .0299 FAU .01453
 FOE .4634 FRA .8302 FC3 -.4680 BSP 17400
 BOE 2.1711 BRA 2.3307 BC3 3.6890 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 5354.9 SGR 435.3 SG3 108.4
 RRT .3504 RRF .3222 RTF .9058
 SGB 5372.6 R23 .0031 R13 .9058
 SG1 5357.1 SG2 407.5 THA 1.64

ORBIT DETERMINATION ACCURACY

ST 2518.8 SR 433.3 SS 493.7
 CRT .9294 CRS -.8435 CST -.9815
 LSA 2596.4 MSA 184.6 SSA 17.9
 EL1 2550.9 EL2 157.9 ALF 9.12

LAUNCH DATE JAN 2 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 555.642

RL 147.10 LAL .00 LOL 101.15 VL 25.953 GAL 6.10 AZL 87.34 HCA 286.37 SMA 117.36 ECC .27349 INC 2.6646 V1 30.287
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.309 GAP 15.27 A7P 89.25 TAL 163.23 TAP 89.60 RCA 85.26 APO 149.45 V2 34.968
 RC 203.147 GL 12.78 GP -5.28 ZAL 59.31 ZAP 174.71 ETS 275.36 ZAE 132.96 ETE 185.46 ZAC 122.65 ETC 168.74 CLP-179.71

PLANETOCENTRIC CONIC

C3 29.436 VHL 5.426 DLA 27.78 RAL 35.91 RAD 6568.2 VEL 12.280 PTH 2.21 VHP 9.834 DPA 3.46 RAP 28.83 ECC 1.4844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 23 3473.34 -21.11 129.19 272.31 70.67 2 47 17 2873.3 -23.55 121.57
 90.00 0 12 24 3788.82 -12.83 148.63 268.75 64.54 1 15 33 3188.8 -16.15 141.53
 100.00 3 56 24 3063.88 -25.40 100.56 273.81 73.69 4 47 28 2463.9 -27.39 92.33
 100.00 0 48 4 3673.51 -8.81 138.08 266.66 61.32 1 49 17 3073.5 -12.57 131.31
 110.00 6 6 37 2656.34 -32.42 71.60 275.80 78.52 6 50 54 2056.3 -33.66 62.59
 110.00 0 54 20 3653.82 -2.64 132.80 262.88 55.91 1 55 14 3053.8 -7.09 126.55

DIFFERENTIAL CORRECTIONS

TOE 2.1447 TRA 2.6907 TC3-3.3543 BAU 1.3200
 ROE .4103 RRA -.0104 RC3 .0200 FAU .01343
 FOE .4484 FRA .8792 FC3 -.3950 BSP 17485
 BOE 2.1836 BRA 2.6907 BC3 3.3543 FSP -356

MID-COURSE EXECUTION ACCURACY

SGT 5356.4 SGR 434.0 SG3 106.1
 RRT .3710 RRF .3430 RTF .9122
 SGB 5374.0 R23 .0028 R13 .9122
 SG1 5358.9 SG2 402.9 THA 1.73

ORBIT DETERMINATION ACCURACY

ST 2463.8 SR 433.3 SS 483.3
 CRT .9158 CRS -.8278 CST -.9828
 LSA 2540.3 MSA 194.5 SSA 16.8
 EL1 2495.7 EL2 171.8 ALF 9.19

LAUNCH DATE JAN 2 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 560.703

RL 147.10 LAL .00 LOL 101.15 VL 25.906 GAL 6.98 AZL 87.42 HCA 289.57 SMA 117.10 ECC .28181 INC 2.5769 V1 30.287
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.287 GAP 15.81 A7P 89.14 TAL 161.43 TAP 91.00 RCA 84.10 APO 150.10 V2 34.981
 RC 204.893 GL 11.71 GP -5.19 ZAL 56.33 ZAP 174.79 ETS 267.55 ZAE 133.06 ETE 185.41 ZAC 125.02 ETC 168.62 CLP 179.56

PLANETOCENTRIC CONIC

C3 32.472 VHL 5.698 DLA 27.69 RAL 39.36 RAD 6568.3 VEL 12.403 PTH 2.24 VHP 10.162 DPA 4.50 RAP 31.07 ECC 1.5344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 2 3485.26 -20.84 129.96 277.55 70.38 3 5 7 2885.3 -23.32 122.17
 90.00 0 22 16 3826.21 -11.72 150.82 273.57 64.04 1 26 2 3226.2 -15.12 143.79
 100.00 4 12 8 3081.97 -25.05 101.79 279.06 73.13 5 3 30 2482.0 -27.12 93.60
 100.00 0 59 51 3704.73 -7.79 139.83 271.50 61.05 2 1 36 3104.7 -11.59 133.10
 110.00 6 21 27 2677.27 -32.13 73.17 281.16 77.64 7 6 4 2077.3 -33.49 64.20
 110.00 1 7 2 3682.19 -1.55 134.29 267.66 55.85 2 8 24 3082.2 -6.02 128.05

DIFFERENTIAL CORRECTIONS

TOE 2.1520 TRA 3.0750 TC3-3.0226 BAU 1.3122
 ROE .4292 RRA .0051 RC3 .0119 FAU .01229
 FOE .4350 FRA .9320 FC3 -.3277 BSP 17462
 BOE 2.1944 BRA 3.0750 BC3 3.0226 FSP -347

MID-COURSE EXECUTION ACCURACY

SGT 5361.0 SGR 431.8 SG3 104.1
 RRT .3919 RRF .3649 RTF .9181
 SGB 5378.4 R23 .0035 R13 .9181
 SG1 5363.7 SG2 397.1 THA 1.82

ORBIT DETERMINATION ACCURACY

ST 2406.2 SR 431.5 SS 474.6
 CRT .9009 CRS -.8114 CST -.9841
 LSA 2481.8 MSA 204.2 SSA 15.9
 EL1 2437.6 EL2 184.8 ALF 9.23

LAUNCH DATE JAN 2 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 565.657

RL 147.10 LAL .00 LOL 101.15 VL 25.859 GAL 7.92 AZL 87.51 HCA 292.77 SMA 116.85 ECC .29102 INC 2.4857 V1 30.287
 RP 108.29 LAP -2.29 LOP 33.93 VP 36.267 GAP 16.40 AZP 89.04 TAL 159.67 TAP 92.43 RCA 82.85 APO 130.86 V2 34.994
 RC 206.614 GL 10.66 GP -5.10 ZAL 53.50 ZAP 174.76 ETS 259.49 ZAE 133.15 ETE 185.36 ZAC 127.38 ETC 168.45 CLP 178.82

PLANETOCENTRIC CONIC

C3 36.074 VML 6.006 DLA 27.52 RAL 42.63 RAD 6568.4 VEL 12.548 PTH 2.27 VHP 10.522 DPA 5.50 RAP 33.32 ECC 1.5937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 39 3490.32 -20.72 130.29 282.82 70.26 3 24 49 2890.3 -23.22 122.51
 90.00 0 28 48 3874.24 -10.28 153.60 278.20 63.47 1 33 22 3274.2 -13.76 146.66
 100.00 4 28 46 3096.65 -24.76 102.78 284.28 72.69 5 20 22 2496.6 -26.89 94.63
 100.00 1 9 22 3743.14 -6.51 141.97 276.18 60.76 2 11 45 3143.1 -10.36 135.30
 110.00 6 36 29 2696.97 -31.83 74.62 286.47 76.82 7 21 26 2097.0 -33.31 65.71
 110.00 1 18 8 3715.59 -2.28 136.03 272.32 55.82 2 20 4 3115.6 -4.76 129.81

DIFFERENTIAL CORRECTIONS

TDE 2.1469 TRA 3.4776 TC3-2.6985 BAU 1.3014
 RDE .4481 RRA .0222 RC3 .0053 FAU .01125
 FDE .4206 FRA .9865 FC3 -2.700 BSP 17529
 BDE 2.1932 BRA 3.4777 BC3 2.6985 FSP -342

MID-COURSE EXECUTION ACCURACY

SGT 5356.8 SGR 428.2 SG3 101.9
 RRT .4116 RRF .3855 RTF .9244
 SGB 5373.9 R23 .0034 R13 .9244
 SG1 5359.7 SG2 390.0 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 2337.4 SR 427.5 SS 465.7
 CRT .8841 CR5 -.7936 CST -.9854
 LSA 2411.9 MSA 213.7 S5A 14.9
 EL1 2368.0 EL2 197.2 ALF 9.25

LAUNCH DATE JAN 2 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 570.485

RL 147.10 LAL .00 LOL 101.15 VL 25.814 GAL 8.92 AZL 87.61 HCA 295.97 SMA 116.61 ECC .30123 INC 2.3899 V1 30.287
 RP 108.23 LAP -2.15 LOP 37.13 VP 36.247 GAP 17.06 AZP 88.95 TAL 157.94 TAP 93.91 RCA 81.49 APO 151.74 V2 35.007
 RC 208.309 GL 9.64 GP -5.02 ZAL 50.82 ZAP 174.62 ETS 251.51 ZAE 133.21 ETE 185.32 ZAC 129.72 ETC 168.23 CLP 178.07

PLANETOCENTRIC CONIC

C3 40.346 VML 6.352 DLA 27.29 RAL 45.73 RAD 6568.6 VEL 12.717 PTH 2.31 VHP 10.918 DPA 6.48 RAP 35.56 ECC 1.6640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 5 3491.89 -20.68 130.39 288.05 70.22 3 45 17 2891.9 -23.19 122.61
 90.00 0 33 2 3929.22 -8.59 156.76 282.64 62.91 1 38 31 3329.2 -12.16 149.90
 100.00 4 45 53 3108.92 -24.51 103.61 289.45 72.32 5 37 42 2508.9 -26.69 95.49
 100.00 1 16 55 3787.43 -5.04 144.42 280.72 60.50 2 20 2 3187.4 -8.93 137.80
 110.00 6 51 31 2715.75 -31.53 76.01 291.70 76.06 7 36 47 2115.7 -33.12 67.14
 110.00 1 27 46 3753.36 1.17 138.00 276.87 55.83 2 30 19 3153.4 -3.32 131.79

DIFFERENTIAL CORRECTIONS

TDE 2.1380 TRA 3.9065 TC3-2.3836 BAU 1.2857
 RDE .4671 RRA .0411 RC3 .0004 FAU .01022
 FDE .4071 FRA 1.0448 FC3 -.2193 BSP 17576
 BDE 2.1885 BRA 3.9067 BC3 2.3836 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 5348.8 SGR 423.4 SG3 99.9
 RRT .4312 RRF .4062 RTF .9308
 SGB 5365.5 R23 .0031 R13 .9308
 SG1 5351.9 SG2 381.8 THA 1.96

ORBIT DETERMINATION ACCURACY

ST 2267.7 SR 421.6 SS 458.4
 CRT .8657 CR5 -.7749 CST -.9868
 LSA 2341.1 MSA 222.5 S5A 14.1
 EL1 2297.1 EL2 208.4 ALF 9.22

LAUNCH DATE JAN 2 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 575.160

RL 147.10 LAL .00 LOL 101.15 VL 25.770 GAL 9.99 AZL 87.71 HCA 299.17 SMA 116.58 ECC .31257 INC 2.2887 V1 30.287
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.228 GAP 17.78 AZP 88.88 TAL 156.27 TAP 95.43 RCA 80.00 APO 152.75 V2 35.020
 RC 209.976 GL 8.65 GP -4.95 ZAL 48.31 ZAP 174.36 ETS 243.91 ZAE 133.25 ETE 185.27 ZAC 132.04 ETC 167.95 CLP 177.29

PLANETOCENTRIC CONIC

C3 45.415 VML 6.739 DLA 26.99 RAL 48.83 RAD 6568.7 VEL 12.914 PTH 2.35 VHP 11.355 DPA 7.43 RAP 37.80 ECC 1.7474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 32 3492.29 -20.67 130.41 293.20 70.21 4 5 44 2892.3 -23.19 122.64
 90.00 0 35 43 3988.46 -6.74 160.13 286.93 62.43 1 42 11 3388.5 -10.38 153.34
 100.00 5 3 7 3119.70 -24.28 104.33 294.54 72.01 5 55 6 2519.7 -26.51 96.24
 100.00 1 22 49 3836.29 -3.39 147.12 285.10 60.28 2 26 46 3236.3 -7.32 140.54
 110.00 7 6 24 2733.92 -31.22 77.34 296.83 75.33 7 51 58 2133.9 -32.92 68.52
 110.00 1 36 2 3794.83 2.75 140.16 281.28 55.91 2 39 16 3194.8 -1.74 133.96

DIFFERENTIAL CORRECTIONS

TDE 2.1255 TRA 4.3638 TC3-2.0826 BAU 1.2645
 RDE .4862 RRA .0618 RC3 -.0030 FAU .00920
 FDE .3947 FRA 1.1074 FC3 -.1753 BSP 17595
 BDE 2.1804 BRA 4.3642 BC3 2.0826 FSP -330

MID-COURSE EXECUTION ACCURACY

SGT 5336.8 SGR 417.6 SG3 97.9
 RRT .4505 RRF .4268 RTF .9371
 SGB 5353.1 R23 .0028 R13 .9372
 SG1 5340.1 SG2 372.5 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 2198.4 SR 413.7 SS 452.9
 CRT .8456 CR5 -.7556 CST -.9882
 LSA 2270.8 MSA 230.2 S5A 13.3
 EL1 2226.4 EL2 218.1 ALF 9.13

LAUNCH DATE JAN 2 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 579.651

RL 147.10 LAL .00 LOL 101.15 VL 25.726 GAL 11.15 AZL 87.82 HCA 302.37 SMA 116.15 ECC .32518 INC 2.1810 V1 30.287
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.211 GAP 18.58 AZP 88.83 TAL 154.65 TAP 97.03 RCA 78.38 APO 153.92 V2 35.034
 RC 211.617 GL 7.70 GP -4.88 ZAL 45.95 ZAP 173.98 ETS 236.92 ZAE 133.26 ETE 185.22 ZAC 134.33 ETC 167.60 CLP 176.48

PLANETOCENTRIC CONIC

C3 51.441 VML 7.172 DLA 26.65 RAL 51.33 RAD 6568.9 VEL 13.145 PTH 2.40 VHP 11.839 DPA 8.35 RAP 40.03 ECC 1.8466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 31 3492.83 -20.66 130.45 298.25 70.20 4 25 43 2892.8 -23.17 122.68
 90.00 0 37 19 4050.21 -4.78 163.61 291.07 62.06 1 44 49 3450.2 -8.48 156.89
 100.00 5 20 9 3129.72 -24.07 105.00 299.52 71.72 6 12 19 2529.7 -26.34 96.94
 100.00 1 27 22 3888.56 -1.62 149.99 289.33 60.15 2 32 11 3288.6 -5.58 143.45
 110.00 7 20 57 2751.72 -30.91 78.63 301.85 74.62 8 6 49 2151.7 -32.71 69.87
 110.00 1 43 3 3839.33 4.45 142.49 285.55 56.07 2 47 2 3239.3 -0.04 136.28

DIFFERENTIAL CORRECTIONS

TDE 2.1134 TRA 4.8557 TC3-1.7984 BAU 1.2354
 RDE .5052 RRA .0844 RC3 -.0050 FAU .00814
 FDE .3841 FRA 1.1758 FC3 -.1369 BSP 17539
 BDE 2.1729 BRA 4.8564 BC3 1.7984 FSP -323

MID-COURSE EXECUTION ACCURACY

SGT 5322.3 SGR 410.6 SG3 96.1
 RRT .4700 RRF .4478 RTF .9435
 SGB 5338.2 R23 .0026 R13 .9435
 SG1 5325.9 SG2 362.2 THA 2.09

ORBIT DETERMINATION ACCURACY

ST 2133.5 SR 404.2 SS 450.1
 CRT .8243 CR5 -.7364 CST -.9897
 LSA 2204.9 MSA 236.4 S5A 12.6
 EL1 2159.6 EL2 226.1 ALF 8.98

LAUNCH DATE JAN 2 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 583.918

RL 147.10 LAL .00 LOL 101.15 VL 25.684 GAL 12.41 AZL 87.93 MCA 305.58 SMA 115.93 ECC .33927 INC 2.0652 V1 30.287
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.193 GAP 19.47 AZP 88.80 TAL 153.11 TAP 98.69 RCA 76.60 APO 155.26 V2 35.047
 RC 213.230 GL 6.78 GP -4.82 ZAL 43.77 ZAP 173.50 ETS 230.63 ZAE 133.24 ETE 185.17 ZAC 136.59 ETC 167.19 CLP 175.64

PLANETOCENTRIC CONIC

C3 58.627 VML 7.657 OLA 26.27 RAL 53.84 RAD 6569.1 VEL 13.416 PTH 2.45 VHP 12.379 DPA 9.22 RAP 42.24 ECC 1.9649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 43 3494.19 -20.63 130.53 303.16 70.16 4 44 57 2894.2 -23.15 122.77
 90.00 0 38 6 4113.34 -2.76 167.15 295.07 61.81 1 46 39 3513.3 -6.51 160.47
 100.00 5 36 45 3139.48 -23.86 105.65 304.37 71.44 6 29 4 2539.5 -26.17 97.61
 100.00 1 30 45 3943.29 .23 153.00 293.41 60.11 2 36 29 3343.3 -3.75 146.47
 110.00 7 35 3 2769.30 -30.59 79.89 306.73 73.94 8 21 13 2169.3 -32.48 71.19
 110.00 1 48 56 3886.23 6.22 144.96 289.69 56.32 2 53 43 3286.2 1.76 138.73

DIFFERENTIAL CORRECTIONS

TDE 2.0964 TRA 5.3791 TC3-1.5317 BAU 1.2005
 RDE .5238 RRA .1084 RC3 -.0060 FAU .00711
 FDE .3739 FRA 1.2490 FC3 -.1049 BSP 17553
 BDE 2.1608 BRA 5.3802 BC3 1.5317 FSP -318

MID-COURSE EXECUTION ACCURACY

SGT 5302.1 SGR 402.4 SG3 94.3
 RRT .4886 RRF .4679 RTF .9498
 SGB 5317.3 R23 .0021 R13 .9498
 SG1 5305.7 SG2 350.8 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 2068.6 SR 392.9 SS 448.8
 CRT .8015 CRS -.7166 CST -.9911
 LSA 2139.3 MSA 241.1 SSA 11.9
 EL1 2092.8 EL2 232.2 ALF 8.76

LAUNCH DATE JAN 2 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 587.908

RL 147.10 LAL .00 LOL 101.15 VL 25.643 GAL 13.77 AZL 88.06 MCA 308.79 SMA 115.72 ECC .35504 INC 1.9396 V1 30.287
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.177 GAP 20.46 AZP 88.78 TAL 151.66 TAP 100.44 RCA 74.63 APO 156.80 V2 35.060
 RC 214.816 GL 5.90 GP -4.77 ZAL 41.76 ZAP 172.92 ETS 225.07 ZAE 133.17 ETE 185.12 ZAC 138.80 ETC 166.70 CLP 174.76

PLANETOCENTRIC CONIC

C3 67.232 VML 8.200 OLA 25.86 RAL 56.14 RAD 6569.3 VEL 13.733 PTH 2.51 VHP 12.982 DPA 10.06 RAP 44.44 ECC 2.1065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 0 3496.61 -20.57 130.69 307.90 70.10 5 3 16 2896.6 -23.10 122.93
 90.00 0 38 13 4177.08 -.70 170.70 298.92 61.69 1 47 50 3577.1 -4.48 164.06
 100.00 5 52 44 3149.27 -23.65 106.30 309.07 71.16 6 45 13 2549.3 -26.00 98.29
 100.00 1 33 9 3999.65 2.14 156.09 297.34 60.18 2 39 49 3399.7 -1.84 149.57
 110.00 7 48 36 2786.74 -30.25 81.14 311.44 73.27 8 35 3 2186.7 -32.24 72.49
 110.00 1 53 47 3934.95 8.06 147.54 293.69 56.67 2 59 22 3334.9 3.61 141.27

DIFFERENTIAL CORRECTIONS

TDE 2.0798 TRA 5.9427 TC3-1.2864 BAU 1.1563
 RDE .5421 RRA .1339 RC3 -.0060 FAU .00604
 FDE .3651 FRA 1.3290 FC3 -.0777 BSP 17555
 BDE 2.1493 BRA 5.9442 BC3 1.2864 FSP -312

MID-COURSE EXECUTION ACCURACY

SGT 5277.9 SGR 393.0 SG3 92.5
 RRT .5068 RRF .4877 RTF .9559
 SGB 5292.5 R23 .0014 R13 .9559
 SG1 5281.6 SG2 338.5 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 2008.1 SR 380.1 SS 450.0
 CRT .7779 CRS -.6971 CST -.9925
 LSA 2078.4 MSA 243.8 SSA 11.2
 EL1 2030.1 EL2 236.3 ALF 8.49

LAUNCH DATE JAN 2 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC

DISTANCE 591.557

RL 147.10 LAL .00 LOL 101.15 VL 25.604 GAL 15.27 AZL 88.20 MCA 312.00 SMA 115.52 ECC .37276 INC 1.8020 V1 30.287
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.162 GAP 21.58 AZP 88.79 TAL 150.31 TAP 102.30 RCA 72.46 APO 158.58 V2 35.073
 RC 216.375 GL 5.06 GP -4.71 ZAL 39.93 ZAP 172.24 ETS 220.18 ZAE 133.05 ETE 185.07 ZAC 140.97 ETC 166.13 CLP 173.82

PLANETOCENTRIC CONIC

C3 77.591 VML 8.809 OLA 25.41 RAL 58.24 RAD 6569.5 VEL 14.105 PTH 2.57 VHP 13.661 DPA 10.86 RAP 46.60 ECC 2.2769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 14 3500.10 -20.49 130.91 312.46 70.02 5 20 34 2900.1 -23.03 123.16
 90.00 0 37 43 4240.86 1.36 174.26 302.62 61.71 1 48 24 3640.9 -2.43 167.63
 100.00 6 7 58 3159.21 -23.43 106.95 313.59 70.88 7 0 38 2559.2 -25.82 98.97
 100.00 1 34 40 4056.98 4.08 159.24 301.11 60.36 2 42 17 3457.0 .10 152.71
 110.00 8 1 30 2804.03 -29.91 82.37 315.98 72.61 8 48 14 2204.0 -31.99 73.78
 110.00 1 57 38 3984.93 9.91 150.22 297.55 57.12 3 4 3 3384.9 5.51 143.90

DIFFERENTIAL CORRECTIONS

TDE 2.0657 TRA 6.5526 TC3-1.0607 BAU 1.1003
 RDE .5601 RRA .1608 RC3 -.0053 FAU .00489
 FDE .3581 FRA 1.4172 FC3 -.0545 BSP 17530
 BDE 2.1403 BRA 6.5545 BC3 1.0607 FSP -307

MID-COURSE EXECUTION ACCURACY

SGT 5250.1 SGR 382.4 SG3 90.8
 RRT .5247 RRF .5073 RTF .9618
 SGB 5264.0 R23 .0009 R13 .9618
 SG1 5254.0 SG2 325.3 THA 2.20

ORBIT DETERMINATION ACCURACY

ST 1952.6 SR 366.0 SS 454.1
 CRT .7539 CRS -.6783 CST -.9938
 LSA 2023.1 MSA 244.4 SSA 10.6
 EL1 1972.3 EL2 238.0 ALF 8.16

LAUNCH DATE JAN 2 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC

DISTANCE 594.777

RL 147.10 LAL .00 LOL 101.15 VL 25.566 GAL 16.93 AZL 88.35 MCA 315.21 SMA 115.32 ECC .39273 INC 1.6498 V1 30.287
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.148 GAP 22.85 AZP 88.83 TAL 149.08 TAP 104.29 RCA 70.03 APO 160.61 V2 35.086
 RC 217.906 GL 4.25 GP -4.66 ZAL 38.27 ZAP 171.45 ETS 215.90 ZAE 132.87 ETE 185.00 ZAC 143.06 ETC 165.47 CLP 172.83

PLANETOCENTRIC CONIC

C3 90.137 VML 9.494 OLA 24.95 RAL 60.13 RAD 6569.8 VEL 14.542 PTH 2.64 VHP 14.428 DPA 11.62 RAP 48.72 ECC 2.4834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 24 3504.47 -20.39 131.19 316.81 69.92 5 36 48 2904.5 -22.94 123.45
 90.00 0 36 39 4304.25 3.40 177.80 306.16 61.87 1 48 23 3704.3 -.39 171.17
 100.00 6 22 22 3169.26 -23.20 107.62 317.90 70.60 7 15 11 2569.3 -25.63 99.66
 100.00 1 35 22 4114.70 6.01 162.44 304.72 60.66 2 43 56 3514.7 2.06 155.88
 110.00 8 13 40 2821.06 -29.55 83.57 320.30 71.98 9 0 41 2221.1 -31.73 75.04
 110.00 2 0 33 4035.66 11.78 152.97 301.24 57.68 3 7 49 3435.7 7.43 146.58

DIFFERENTIAL CORRECTIONS

TDE 2.0583 TRA 7.2173 TC3 -.8536 BAU 1.0287
 RDE .5778 RRA .1890 RC3 -.0039 FAU .00361
 FDE .3536 FRA 1.5154 FC3 -.0347 BSP 17423
 BDE 2.1379 BRA 7.2198 BC3 .8536 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 5219.9 SGR 370.8 SG3 89.3
 RRT .5423 RRF .5268 RTF .9675
 SGB 5233.0 R23 .0003 R13 .9675
 SG1 5223.8 SG2 311.3 THA 2.21

ORBIT DETERMINATION ACCURACY

ST 1903.2 SR 350.7 SS 461.6
 CRT .7304 CRS -.6609 CST -.9951
 LSA 1974.7 MSA 242.8 SSA 9.9
 EL1 1920.7 EL2 237.4 ALF 7.79

LAUNCH DATE JAN 2 1966

FLIGHT TIME 208.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC

DISTANCE 597.456

RL 147.10 LAL .00 LOL 101.15 VL 25.530 GAL 18.76 AZL 88.52 HCA 318.42 SMA 115.14 ECC .41533 INC 1.4792 V1 30.287
 RP 107.97 LAP -.98 LOP 59.58 VP 36.135 GAP 24.30 AZP 88.89 TAL 148.02 TAP 106.44 RCA 67.32 APO 162.96 V2 35.099
 RC 219.410 GL 3.48 GP -4.62 ZAL 36.81 ZAP 170.56 ETS 212.15 ZAE 132.61 ETE 184.93 ZAC 145.08 ETC 164.73 CLP 171.76

PLANETOCENTRIC CONIC

C3 105.445 VHL 10.269 DLA 24.46 RAL 61.81 RAD 6570.0 VEL 15.059 PTH 2.71 VHP 15.300 DPA 12.32 RAP 50.78 ECC 2.7354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 26 3509.45 -20.27 131.51 320.92 69.80 5 51 55 2909.5 -22.84 123.78
 90.00 0 34 59 4366.89 5.40 181.32 309.52 62.16 1 47 46 3766.9 1.63 174.66
 100.00 6 35 51 3179.25 -22.97 108.27 321.97 70.33 7 28 50 2579.2 -25.44 100.34
 100.00 1 35 15 4172.32 7.92 165.65 308.14 61.08 2 44 47 3572.3 4.01 159.05
 110.00 8 25 2 2837.65 -29.20 84.73 324.38 71.38 9 12 20 2237.6 -31.46 76.26
 110.00 2 2 33 4086.69 13.62 155.78 304.76 58.34 3 10 40 3486.7 9.33 149.30

DIFFERENTIAL CORRECTIONS

TOE 2.0529 TRA 7.9376 TC3 -.6679 BAU .9416
 ROE .5949 RRA .2178 RC3 -.0023 FAU .00221
 FDE .3503 FRA 1.6237 FC3 -.0181 BSP 17400
 BDE 2.1373 BRA 7.9406 BC3 .6679 FSP -295

MID-COURSE EXECUTION ACCURACY

SGT 5183.6 SGR 357.8 SG3 87.7
 RRT .5587 RRF .5450 RTF .9727
 SGB 5195.9 R23 -.0003 R13 .9727
 SGI 5187.5 SG2 296.5 TMA 2.22

ORBIT DETERMINATION ACCURACY

ST 1856.0 SR 334.3 SS 471.8
 CRT .7070 CRS -.6440 CST -.9961
 LSA 1929.2 MSA 239.1 SSA 9.3
 EL1 1871.2 EL2 234.5 ALF 7.37

LAUNCH DATE JAN 2 1966

FLIGHT TIME 210.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 599.444

RL 147.10 LAL .00 LOL 101.15 VL 25.497 GAL 20.81 AZL 88.71 HCA 321.64 SMA 114.97 ECC .44101 INC 1.2854 V1 30.287
 RP 107.93 LAP -.80 LOP 62.80 VP 36.123 GAP 25.95 AZP 88.99 TAL 147.14 TAP 108.78 RCA 64.27 APO 165.67 V2 35.111
 RC 220.887 GL 2.75 GP -4.57 ZAL 35.55 ZAP 169.55 ETS 208.85 ZAE 132.26 ETE 184.85 ZAC 147.01 ETC 163.89 CLP 170.59

PLANETOCENTRIC CONIC

C3 124.277 VHL 11.148 DLA 23.96 RAL 63.26 RAD 6570.3 VEL 15.672 PTH 2.79 VHP 16.297 DPA 12.98 RAP 52.77 ECC 3.0453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 19 3514.66 -20.15 131.85 324.75 69.68 6 5 53 2914.7 -22.74 124.13
 90.00 0 32 39 4428.46 7.34 184.79 312.67 62.58 1 46 28 3828.5 3.61 178.10
 100.00 6 48 20 3188.93 -22.75 108.90 325.78 70.07 7 41 29 2588.9 -25.26 101.00
 100.00 1 34 19 4229.43 9.79 168.86 311.36 61.61 2 44 48 3629.4 5.92 162.21
 110.00 8 35 32 2853.56 -28.85 85.84 328.18 70.81 9 23 6 2253.6 -31.19 77.42
 110.00 2 3 36 4137.56 15.42 158.62 308.08 59.11 3 12 34 3537.6 11.21 152.05

DIFFERENTIAL CORRECTIONS

TOE 2.0588 TRA 8.7265 TC3 -.5008 BAU .8321
 ROE .6116 RRA .2470 RC3 -.0004 FAU .00058
 FDE .3497 FRA 1.7451 FC3 -.0040 BSP 17358
 BDE 2.1458 BRA 8.7299 BC3 .5008 FSP -290

MID-COURSE EXECUTION ACCURACY

SGT 5143.3 SGR 343.7 SG3 86.2
 RRT .5743 RRF .5623 RTF .9776
 SGB 5154.7 R23 -.0010 R13 .9776
 SGI 5147.1 SG2 281.1 TMA 2.20

ORBIT DETERMINATION ACCURACY

ST 1812.9 SR 317.1 SS 485.7
 CRT .6848 CRS -.6286 CST -.9971
 LSA 1889.1 MSA 233.2 SSA 8.7
 EL1 1826.1 EL2 229.4 ALF 6.94

LAUNCH DATE JAN 2 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 600.543

RL 147.10 LAL .00 LOL 101.15 VL 25.466 GAL 23.13 AZL 88.94 HCA 324.86 SMA 114.81 ECC .47027 INC 1.0617 V1 30.287
 RP 107.89 LAP -.61 LOP 66.02 VP 36.113 GAP 27.86 AZP 89.13 TAL 146.49 TAP 111.35 RCA 60.82 APO 168.80 V2 35.124
 RC 222.336 GL 2.05 GP -4.52 ZAL 34.52 ZAP 168.41 ETS 205.88 ZAE 131.80 ETE 184.75 ZAC 148.82 ETC 162.98 CLP 169.32

PLANETOCENTRIC CONIC

C3 147.664 VHL 12.152 DLA 23.45 RAL 64.46 RAD 6570.6 VEL 16.401 PTH 2.87 VHP 17.445 DPA 13.59 RAP 54.67 ECC 3.4302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 0 3519.68 -20.03 132.17 328.28 69.56 6 18 39 2919.7 -22.64 124.46
 90.00 0 29 36 4488.69 9.22 188.23 315.59 63.11 1 44 25 3888.7 5.54 181.48
 100.00 6 59 47 3197.96 -22.54 109.49 329.27 69.83 7 53 5 2598.0 -25.08 101.62
 100.00 1 32 30 4285.64 11.59 172.06 314.34 62.25 2 43 56 3685.6 7.79 165.34
 110.00 8 45 5 2868.48 -28.51 86.87 331.67 70.29 9 32 54 2268.5 -30.92 78.50
 110.00 2 3 41 4187.88 17.15 161.49 311.18 59.97 3 13 29 3587.9 13.03 154.80

DIFFERENTIAL CORRECTIONS

TOE 2.0737 TRA 9.5942 TC3 -.3514 BAU .6937
 ROE .6280 RRA .2759 RC3 .0015 FAU .00139
 FDE .3522 FRA 1.8821 FC3 .0081 BSP 17288
 BDE 2.1667 BRA 9.5982 BC3 .3514 FSP -286

MID-COURSE EXECUTION ACCURACY

SGT 5098.9 SGR 328.3 SG3 84.8
 RRT .5887 RRF .5784 RTF .9820
 SGB 5109.4 R23 -.0016 R13 .9820
 SGI 5102.5 SG2 265.2 TMA 2.18

ORBIT DETERMINATION ACCURACY

ST 1773.4 SR 299.2 SS 503.9
 CRT .6644 CRS -.6151 CST -.9978
 LSA 1854.0 MSA 225.4 SSA 8.2
 EL1 1784.6 EL2 222.2 ALF 6.50

LAUNCH DATE JAN 2 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 4 1966

HELIOCENTRIC CONIC

DISTANCE 600.485

RL 147.10 LAL .00 LOL 101.15 VL 25.438 GAL 29.76 AZL 89.20 HCA 328.08 SMA 114.67 ECC .50373 INC .7988 V1 30.287
 RP 107.86 LAP -.42 LOP 69.23 VP 36.105 GAP 30.07 AZP 89.32 TAL 146.13 TAP 114.21 RCA 56.91 APO 172.43 V2 35.135
 RC 223.756 GL 1.38 GP -4.48 ZAL 33.72 ZAP 167.11 ETS 203.23 ZAE 131.19 ETE 184.64 ZAC 150.49 ETC 162.00 CLP 167.90

PLANETOCENTRIC CONIC

C3 177.006 VHL 13.304 DLA 22.91 RAL 65.40 RAD 6570.9 VEL 17.272 PTH 2.95 VHP 18.775 DPA 14.13 RAP 56.43 ECC 3.9131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 26 3524.01 -19.93 132.44 331.44 69.46 6 30 10 2924.0 -22.55 124.75
 90.00 0 25 41 4547.32 11.00 191.61 318.23 63.74 1 41 28 3947.3 7.39 184.80
 100.00 7 10 5 3205.93 -22.35 110.01 332.41 69.62 8 3 31 2605.9 -24.92 102.16
 100.00 1 29 43 4340.63 13.31 175.24 317.05 62.99 2 42 3 3740.6 9.58 168.43
 110.00 8 53 37 2882.03 -28.19 87.80 334.79 69.82 9 41 39 2282.0 -30.68 79.48
 110.00 2 2 40 4237.29 18.81 164.36 314.00 60.92 3 13 18 3637.3 14.79 157.55

DIFFERENTIAL CORRECTIONS

TOE 2.1111 TRA10.5537 TC3 -.2183 BAU .5167
 ROE .6444 RRA .3038 RC3 .0035 FAU .00386
 FDE .3594 FRA 2.0380 FC3 .0189 BSP 17116
 BDE 2.2072 BRA10.5581 BC3 .2183 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 5051.0 SGR 311.9 SG3 83.5
 RRT .6017 RRF .5929 RTF .9858
 SGB 5060.6 R23 -.0021 R13 .9858
 SGI 5054.5 SG2 248.9 TMA 2.13

ORBIT DETERMINATION ACCURACY

ST 1737.3 SR 280.8 SS 527.3
 CRT .6466 CRS -.6041 CST -.9984
 LSA 1824.4 MSA 215.7 SSA 7.6
 EL1 1746.9 EL2 213.0 ALF 6.06

LAUNCH DATE JAN 2 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 6 1966

HELIOCENTRIC CONIC

DISTANCE 598.907

RL 147.10 LAL .00 LOL 101.15 VL 25.414 GAL 28.78 AZL 89.52 MCA 331.30 SMA 114.55 ECC .54206 INC .4840 V1 30.287
 RP 107.82 LAP -.23 LOP 72.45 VP 36.100 GAP 32.67 AZP 89.58 TAL 146.13 TAP 117.44 RCA 52.46 APO 176.64 V2 35.147
 RC 225.148 GL .74 GP -4.43 ZAL 33.21 ZAP 165.62 ETS 200.84 ZAE 130.40 ETE 184.51 ZAC 151.98 ETC 160.97 CLP 166.30

PLANETOCENTRIC CONIC

C3 214.220 VHL 14.636 DLA 22.37 RAL 66.05 RAD 6571.2 VEL 18.318 PTH 3.03 VMP 20.327 DPA 14.62 RAP 58.04 ECC 4.5255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 33 3527.10 -19.86 132.64 334.18 69.39 6 40 21 2927.1 -22.48 124.95
 90.00 0 20 43 4604.17 12.69 194.93 320.54 64.47 1 37 27 4004.2 9.15 188.04
 100.00 7 19 10 3212.36 -22.20 110.43 335.13 69.45 8 12 42 2612.4 -24.79 102.59
 100.00 1 25 47 4394.14 14.94 178.37 319.42 63.81 2 39 1 3794.1 11.30 171.47
 110.00 9 0 59 2893.80 -27.92 88.60 337.49 69.42 9 49 13 2293.8 -30.45 80.32
 110.00 2 0 27 4285.46 20.38 167.21 316.50 61.94 3 11 52 3685.5 16.47 160.27

DIFFERENTIAL CORRECTIONS

TDE 2.1666 TRA11.6075 TC3 -.1027 BAU .2945
 ROE .6605 RRA .3288 RC3 .0052 FAU-.00693
 FDE .3705 FRA 2.2145 FC3 .0280 BSP 17036
 BDE 2.2651 BRA11.6122 BC3 .1028 FSP -277

MID-COURSE EXECUTION ACCURACY

SGT 4995.3 SGR 294.0 SG3 82.3
 RRT .6118 RRF .6044 RTF .9891
 SGB 5003.9 R23 -.0026 R13 .9891
 SG1 4998.5 SG2 232.4 TMA 2.07

ORBIT DETERMINATION ACCURACY

ST 1700.7 SR 261.9 SS 555.7
 CRT .6305 CRS -.5942 CST -.9989
 LSA 1796.6 MSA 204.6 SSA 7.0
 EL1 1708.8 EL2 202.3 ALF 5.63

LAUNCH DATE JAN 2 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 8 1966

HELIOCENTRIC CONIC

DISTANCE 595.328

RL 147.10 LAL .00 LOL 101.15 VL 25.394 GAL 32.28 AZL 89.90 MCA 334.53 SMA 114.45 ECC .58597 INC .0982 V1 30.287
 RP 107.79 LAP -.04 LOP 75.68 VP 36.097 GAP 35.74 AZP 89.91 TAL 146.58 TAP 121.11 RCA 47.39 APO 181.52 V2 35.158
 RC 226.511 GL .13 GP -4.38 ZAL 33.01 ZAP 163.90 ETS 198.65 ZAE 129.39 ETE 184.36 ZAC 153.26 ETC 159.96 CLP 164.49

PLANETOCENTRIC CONIC

C3 261.951 VHL 16.185 DLA 21.79 RAL 66.36 RAD 6571.5 VEL 19.577 PTH 3.11 VMP 22.147 DPA 15.04 RAP 59.43 ECC 5.3111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 15 3528.36 -19.83 132.72 336.45 69.36 6 49 4 2928.4 -22.46 125.03
 90.00 0 14 28 4659.12 14.28 198.18 322.46 65.29 1 32 7 4059.1 10.83 191.21
 100.00 7 26 54 3216.74 -22.09 110.71 337.37 69.33 8 20 31 2616.7 -24.71 102.88
 100.00 1 20 30 4445.97 16.48 181.46 321.40 64.70 2 34 36 3846.0 12.93 174.46
 110.00 9 7 5 2903.31 -27.69 89.24 339.70 69.10 9 55 28 2303.3 -30.27 81.00
 110.00 1 56 49 4332.16 21.85 170.04 318.61 63.03 3 9 1 3732.2 18.06 162.96

DIFFERENTIAL CORRECTIONS

TDE 2.2531 TRA12.7681 TC3 -.0025 BAU .0246
 ROE .6769 RRA .3490 RC3 .0066 FAU-.01093
 FDE .3881 FRA 2.4161 FC3 .0361 BSP 16915
 BDE 2.3526 BRA12.7729 BC3 .0070 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 4932.9 SGR 274.9 SG3 81.1
 RRT .6185 RRF .6122 RTF .9919
 SGB 4940.5 R23 -.0031 R13 .9919
 SG1 4935.8 SG2 215.9 TMA 1.98

ORBIT DETERMINATION ACCURACY

ST 1664.0 SR 242.9 SS 590.6
 CRT .6170 CRS -.5863 CST -.9992
 LSA 1771.9 MSA 192.3 SSA 6.4
 EL1 1670.8 EL2 190.4 ALF 5.22

LAUNCH DATE JAN 2 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 10 1966

HELIOCENTRIC CONIC

DISTANCE 589.110

RL 147.10 LAL .00 LOL 101.15 VL 25.381 GAL 36.37 AZL 90.40 MCA 337.75 SMA 114.39 ECC .63609 INC .3952 V1 30.287
 RP 107.75 LAP .15 LOP 78.90 VP 36.098 GAP 39.38 AZP 90.37 TAL 147.59 TAP 125.34 RCA 41.63 APO 187.14 V2 35.169
 RC 227.845 GL -.45 GP -4.32 ZAL 33.19 ZAP 161.89 ETS 196.63 ZAE 128.11 ETE 184.18 ZAC 154.27 ETC 159.02 CLP 162.39

PLANETOCENTRIC CONIC

C3 325.831 VHL 17.995 DLA 21.20 RAL 66.27 RAD 6571.8 VEL 21.098 PTH 3.20 VMP 24.296 DPA 15.39 RAP 60.55 ECC 6.3294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 24 3527.13 -19.86 132.64 338.16 69.39 6 56 11 2927.1 -22.48 124.95
 90.00 0 6 38 4712.13 15.77 201.37 325.90 66.17 1 25 10 4112.1 12.41 194.30
 100.00 7 33 8 3218.44 -22.05 110.82 339.04 69.29 8 26 46 2618.4 -24.67 103.00
 100.00 1 13 35 4496.04 17.91 184.49 322.90 65.66 2 28 31 3896.0 14.47 177.38
 110.00 9 11 43 2910.02 -27.52 89.70 341.35 68.88 10 0 13 2310.0 -30.14 81.48
 110.00 1 51 29 4377.23 23.21 172.83 320.25 64.17 3 4 27 3777.2 19.55 165.61

DIFFERENTIAL CORRECTIONS

TDE 2.3804 TRA14.0367 TC3 .0830 BAU .3608
 ROE .6938 RRA .3615 RC3 .0076 FAU-.01621
 FDE .4142 FRA 2.6465 FC3 .0433 BSP 16727
 BDE 2.4794 BRA14.0413 BC3 .0833 FSP -270

MID-COURSE EXECUTION ACCURACY

SGT 4862.2 SGR 254.5 SG3 80.1
 RRT .6200 RRF .6146 RTF .9941
 SGB 4868.9 R23 -.0035 R13 .9941
 SG1 4864.8 SG2 199.6 TMA 1.86

ORBIT DETERMINATION ACCURACY

ST 1625.6 SR 224.0 SS 633.0
 CRT .6061 CRS -.5801 CST -.9994
 LSA 1749.6 MSA 179.2 SSA 5.9
 EL1 1631.3 EL2 177.5 ALF 4.83

LAUNCH DATE JAN 3 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 14 1966

HELIOCENTRIC CONIC

DISTANCE 214.971

RL 147.10 LAL .00 LOL 102.17 VL 30.210 GAL -15.95 AZL 87.19 MCA 99.40 SMA 148.81 ECC .27494 INC 2.8123 V1 30.287
 RP 107.96 LAP 2.77 LOP 201.58 VP 39.582 GAP -.91 AZP 90.46 TAL 256.37 TAP 355.76 RCA 107.90 APO 189.73 V2 35.101
 RC 74.954 GL 9.64 GP 12.81 ZAL 167.02 ZAP 79.43 ETS 355.17 ZAE 171.00 ETE 135.50 ZAC 35.94 ETC 170.96 CLP -79.16

PLANETOCENTRIC CONIC

C3 72.506 VHL 8.515 DLA -12.29 RAL 291.10 RAD 6569.4 VEL 13.923 PTH 2.54 VMP 4.660 DPA -9.43 RAP 302.75 ECC 2.1933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 1 2141.04 -17.72 36.88 171.32 112.46 2 8 42 1541.0 -14.52 29.66
 90.00 10 20 48 5568.38 28.27 259.87 180.93 91.74 11 53 36 4968.4 28.21 251.20
 100.00 2 48 4 1898.91 -19.20 18.42 170.66 113.36 3 19 43 1298.9 -15.88 11.20
 100.00 11 48 26 5285.74 29.88 239.13 180.97 91.07 13 16 31 4685.7 29.70 230.33
 110.00 3 42 7 1729.67 -23.11 3.65 168.73 115.92 4 10 56 1129.7 -19.43 356.44
 110.00 13 10 53 5027.75 34.18 219.55 180.99 89.21 14 34 40 4427.7 33.69 210.34

DIFFERENTIAL CORRECTIONS

TDE -.0804 TRA -.9218 TC3 -.1196 BAU .1353
 ROE -.5552 RRA .2170 RC3 .0720 FAU .10865
 FDE .1591 FRA -1.5159 FC3 -1.2973 BSP 1410
 BDE .5584 BRA .9470 BC3 .1396 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 667.9 SGR 420.6 SG3 211.3
 RRT -.3725 RRF -.4538 RTF .6784
 SGB 789.3 R23 .0893 R13 -.7065
 SG1 694.3 SG2 375.5 TMA 161.07

ORBIT DETERMINATION ACCURACY

ST 194.8 SR 376.3 SS 135.9
 CRT .0903 CRS .4273 CST -.8470
 LSA 381.3 MSA 228.6 SSA 18.6
 EL1 376.8 EL2 193.7 ALF 86.36

LAUNCH DATE JAN 3 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 221.379

RL 147.10 LAL .00 LOL 102.17 VL 30.158 GAL -15.76 AZL 87.27 MCA 102.61 SMA 148.29 ECC .27175 INC 2.7262 V1 30.287
 RP 108.00 LAP 2.66 LOP 204.80 VP 39.531 GAP -.32 AZP 90.60 TAL 255.87 TAP 358.49 RCA 107.99 APO 188.59 V2 35.089
 RC 77.191 GL 9.45 GP 13.19 ZAL 166.98 ZAP 84.34 ETS 356.19 ZAE 168.06 ETE 144.29 ZAC 34.15 ETC 171.55 CLP -84.18

PLANETOCENTRIC CONIC

C3 70.669 VHL 8.406 OLA -12.43 RAL 291.39 RAD 6569.4 VEL 13.857 PTH 2.53 VHP 4.572 DPA -9.36 RAP 300.92 ECC 2.1630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 23 2130.12 -17.43 36.20 171.19 112.67 2 10 54 1530.1 -14.21 29.01
 90.00 10 20 43 5567.22 28.27 259.78 180.82 91.70 11 53 30 4967.2 28.21 251.12
 100.00 2 50 21 1888.28 -18.91 17.76 170.52 113.59 3 21 49 1288.3 -15.56 10.57
 100.00 11 48 26 5284.29 29.88 239.02 180.86 91.01 13 16 31 4684.3 29.70 230.22
 110.00 3 44 11 1719.65 -22.81 3.03 168.59 116.18 4 12 51 1119.7 -19.10 355.85
 110.00 13 11 5 5025.69 34.17 219.39 180.87 89.12 14 34 51 4425.7 33.67 210.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0539 TRA -.9898 TC3 -.1621 BAU .1715 SGT 743.4 SGR 424.8 SG3 220.0 ST 210.6 SR 373.5 S5 136.7
 RDE -.5437 RRA .2234 RC3 .0816 FAU .11194 RRT -.4163 RRF -.4833 RTF .7221 CRT .0493 CRS .4189 CST -.8720
 FDE .1535 FRA -1.5397 FC3 -1.3713 BSP 1697 SGB 856.2 R23 .0891 R13 -.7442 LSA 378.4 MSA 242.9 SSA 18.7
 BDE .5464 BRA 1.0145 BC3 .1815 FSP -664 SG1 771.0 SG2 372.4 THA 162.38 EL1 373.8 EL2 210.2 ALF 87.67

LAUNCH DATE JAN 3 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 227.738

RL 147.10 LAL .00 LOL 102.17 VL 30.100 GAL -15.58 AZL 87.36 MCA 105.83 SMA 147.71 ECC .26861 INC 2.6380 V1 30.287
 RP 108.04 LAP 2.54 LOP 208.01 VP 39.475 GAP .23 AZP 90.72 TAL 255.28 TAP 1.11 RCA 108.04 APO 187.39 V2 35.076
 RC 79.446 GL 9.25 GP 13.55 ZAL 166.91 ZAP 89.11 ETS 357.24 ZAE 165.03 ETE 149.63 ZAC 32.48 ETC 172.16 CLP -89.09

PLANETOCENTRIC CONIC

C3 68.861 VHL 8.298 OLA -12.58 RAL 291.73 RAD 6569.3 VEL 13.792 PTH 2.52 VHP 4.512 DPA -9.27 RAP 299.22 ECC 2.1333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 2 2118.89 -17.14 35.51 171.11 112.89 2 13 21 1518.9 -13.89 28.34
 90.00 10 20 48 5566.19 28.27 259.71 180.76 91.66 11 53 34 4966.2 28.20 251.04
 100.00 2 52 53 1877.36 -18.61 17.09 170.44 113.82 3 24 11 1277.4 -15.24 9.92
 100.00 11 48 37 5282.96 29.88 238.92 180.80 90.96 13 16 40 4683.0 29.69 230.12
 110.00 3 46 32 1709.37 -22.50 2.39 168.50 116.44 4 15 1 1109.4 -18.77 355.25
 110.00 13 11 28 5023.70 34.17 219.23 180.80 89.02 14 35 12 4423.7 33.66 210.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0486 TRA -1.0598 TC3 -.2078 BAU .2089 SGT 825.9 SGR 428.0 SG3 226.7 ST 227.7 SR 369.4 S5 136.5
 RDE -.5304 RRA .2287 RC3 .0912 FAU .11420 RRT -.4561 RRF -.5110 RTF .7562 CRT .0158 CRS .4048 CST -.8941
 FDE .1428 FRA -1.5469 FC3 -1.4357 BSP 2002 SGB 930.3 R23 .0898 R13 -.7737 LSA 374.2 MSA 258.0 SSA 18.8
 BDE .5326 BRA 1.0842 BC3 .2269 FSP -690 SG1 854.2 SG2 368.3 THA 163.56 EL1 369.5 EL2 227.6 ALF 89.10

LAUNCH DATE JAN 3 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 234.051

RL 147.10 LAL .00 LOL 102.17 VL 30.036 GAL -15.40 AZL 87.45 MCA 109.04 SMA 147.09 ECC .26551 INC 2.5471 V1 30.287
 RP 108.08 LAP 2.41 LOP 211.23 VP 39.415 GAP .76 AZP 90.83 TAL 254.59 TAP 3.63 RCA 108.04 APO 186.14 V2 35.063
 RC 81.719 GL 9.04 GP 13.88 ZAL 166.80 ZAP 93.72 ETS 358.30 ZAE 162.02 ETE 153.17 ZAC 30.97 ETC 172.79 CLP -93.83

PLANETOCENTRIC CONIC

C3 67.075 VHL 8.190 OLA -12.74 RAL 292.12 RAD 6569.3 VEL 13.727 PTH 2.51 VHP 4.476 DPA -9.16 RAP 297.69 ECC 2.1039
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 56 2107.26 -16.83 34.80 171.08 113.11 2 16 4 1507.3 -13.56 27.65
 90.00 10 21 0 5565.31 28.27 259.64 180.75 91.63 11 53 46 4965.3 28.20 250.98
 100.00 2 55 42 1866.05 -18.30 16.39 170.41 114.06 3 26 48 1266.0 -14.90 9.25
 100.00 11 48 56 5281.76 29.88 238.83 180.79 90.91 13 16 57 4681.8 29.69 230.03
 110.00 3 49 7 1698.74 -22.18 1.74 168.45 116.71 4 17 26 1098.7 -18.41 354.63
 110.00 13 12 0 5021.83 34.17 219.08 180.78 88.94 14 35 42 4421.8 33.64 209.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0453 TRA -1.1317 TC3 -.2563 BAU .2470 SGT 914.4 SGR 430.2 SG3 231.6 ST 245.9 SR 363.9 S5 135.6
 RDE -.5152 RRA .2329 RC3 .1008 FAU .11549 RRT -.4919 RRF -.5374 RTF .7824 CRT -.0095 CRS .3858 CST -.9127
 FDE .1280 FRA -1.5385 FC3 -1.4906 BSP 2325 SGB 1010.5 R23 .0919 R13 -.7965 LSA 368.8 MSA 273.7 SSA 18.9
 BDE .5172 BRA 1.1554 BC3 .2754 FSP -714 SG1 943.0 SG2 363.2 THA 164.63 EL1 363.9 EL2 245.9 ALF 90.67

LAUNCH DATE JAN 3 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 240.320

RL 147.10 LAL .00 LOL 102.17 VL 29.968 GAL -15.21 AZL 87.55 MCA 112.25 SMA 146.43 ECC .26246 INC 2.4526 V1 30.287
 RP 108.12 LAP 2.27 LOP 214.44 VP 39.352 GAP 1.26 AZP 90.93 TAL 253.82 TAP 6.07 RCA 108.00 APO 184.86 V2 35.050
 RC 84.008 GL 8.81 GP 14.21 ZAL 166.65 ZAP 98.12 ETS 359.40 ZAE 159.11 ETE 155.66 ZAC 29.65 ETC 173.45 CLP -98.38

PLANETOCENTRIC CONIC

C3 65.302 VHL 8.081 OLA -12.91 RAL 292.56 RAD 6569.2 VEL 13.662 PTH 2.50 VHP 4.461 DPA -9.01 RAP 296.34 ECC 2.0747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 9 2095.11 -16.50 34.06 171.09 113.34 2 19 4 1495.1 -13.20 26.93
 90.00 10 21 19 5564.65 28.28 259.60 180.77 91.61 11 54 4 4964.7 28.20 250.93
 100.00 2 58 48 1854.24 -17.97 15.67 170.41 114.30 3 29 42 1254.2 -14.54 8.56
 100.00 11 49 21 5280.75 29.88 238.75 180.81 90.87 13 17 21 4680.7 29.68 229.96
 110.00 3 51 59 1687.67 -21.83 1.06 168.44 116.98 4 20 7 1087.7 -18.04 353.98
 110.00 13 12 39 5020.09 34.17 218.95 180.80 88.86 14 36 19 4420.1 33.63 209.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0440 TRA -1.2040 TC3 -.3073 BAU .2849 SGT 1007.3 SGR 431.3 SG3 234.1 ST 265.0 SR 357.4 S5 134.0
 RDE -.4987 RRA .2354 RC3 .1100 FAU .11556 RRT -.5232 RRF -.5625 RTF .8019 CRT -.0270 CRS .3726 CST -.9243
 FDE .1155 FRA -1.5100 FC3 -1.5320 BSP 2653 SGB 1095.7 R23 .0964 R13 -.8136 LSA 362.8 MSA 289.6 SSA 19.0
 BDE .5007 BRA 1.2268 BC3 .3264 FSP -722 SG1 1035.8 SG2 357.4 THA 165.63 EL1 357.5 EL2 264.8 ALF 92.54

LAUNCH DATE JAN 3 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 29.896 GAL -15.03 AZL 87.65 MCA 115.46 SMA 145.73 ECC .25945 INC 2.3537 V1 30.287
 RP 108.16 LAP 2.13 LOP 217.64 VP 39.285 GAP 1.73 A7P 91.01 TAL 252.97 TAP 8.43 RCA 107.92 APO 183.54 V2 35.036
 RC 86.309 GL 8.56 GP 14.53 ZAL 166.48 ZAP 102.30 ETS .52 ZAE 156.32 ETE 157.48 ZAC 28.54 ETC 174.14 CLP-102.72

PLANETOCENTRIC CONIC
 C3 63.539 VHL 7.971 DLA -13.09 RAL 293.05 RAD 6569.2 VEL 13.598 PTH 2.49 VHP 4.465 DPA -8.84 RAP 293.19 ECC 2.0457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 39 2082.30 -16.15 33.28 171.13 113.58 2 22 21 1482.3 -12.83 26.18
 90.00 10 21 41 5564.30 28.28 259.57 180.84 91.59 11 54 26 4964.3 28.20 250.91
 100.00 3 2 11 1841.81 -17.62 14.91 170.45 114.54 3 32 53 1241.8 -14.16 7.83
 100.00 11 49 50 5280.02 29.88 238.70 180.88 90.84 13 17 50 4680.0 29.68 229.90
 110.00 3 55 7 1676.04 -21.47 .35 168.47 117.26 4 23 3 1076.0 -17.65 353.31
 110.00 13 13 24 5018.56 34.16 218.83 180.86 88.79 14 37 2 4418.6 33.62 209.63

MID-COURSE EXECUTION ACCURACY
 SGT 1103.9 SGR 431.3 SG3 235.2
 RRT -.5522 RRF -.5868 RTF .8169
 SGB 1185.2 R23 .1018 R13 -.8267
 SG1 1132.1 SG2 350.6 TMA 166.51

ORBIT DETERMINATION ACCURACY
 ST 285.0 SR 349.3 SS 131.8
 CRT -.0373 CRS .3494 CST -.9359
 LSA 355.9 MSA 305.8 SSA 19.1
 EL1 349.8 EL2 284.4 ALF 95.16

DIFFERENTIAL CORRECTIONS
 TDE -.0452 TRA-1.2764 TC3 -.3805 BAU .3226
 RDE -.4804 RRA .2371 RC3 .1194 FAU .11489
 FDE .0973 FRA-1.4719 FC3-1.5654 BSP 2995
 BDE .4825 BRA 1.2982 BC3 .3798 FSP -731

LAUNCH DATE JAN 3 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 29.820 GAL -14.84 AZL 87.75 MCA 118.66 SMA 145.01 ECC .25648 INC 2.2495 V1 30.287
 RP 108.20 LAP 1.97 LOP 220.85 VP 39.216 GAP 2.18 A7P 91.08 TAL 252.05 TAP 10.71 RCA 107.82 APO 182.20 V2 35.023
 RC 88.623 GL 8.28 GP 14.87 ZAL 166.27 ZAP 106.25 ETS 1.68 ZAE 153.68 ETE 158.82 ZAC 27.65 ETC 174.88 CLP-106.83

PLANETOCENTRIC CONIC
 C3 61.783 VHL 7.860 DLA -13.29 RAL 293.58 RAD 6569.2 VEL 13.533 PTH 2.47 VHP 4.484 DPA -8.61 RAP 294.27 ECC 2.0168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 30 2068.68 -15.78 32.45 171.22 113.82 2 25 59 1468.7 -12.43 25.38
 90.00 10 22 5 5564.36 28.28 259.58 180.94 91.60 11 54 50 4964.4 28.20 250.91
 100.00 3 5 54 1828.62 -17.25 14.11 170.53 114.80 3 36 23 1228.6 -13.76 7.06
 100.00 11 50 22 5279.66 29.88 238.67 180.98 90.83 13 18 22 4679.7 29.68 229.87
 110.00 3 58 33 1663.72 -21.09 359.60 168.53 117.55 4 26 17 1063.7 -17.23 352.60
 110.00 13 14 12 5017.32 34.16 218.73 180.96 88.73 14 37 50 4417.3 33.61 209.53

MID-COURSE EXECUTION ACCURACY
 SGT 1203.0 SGR 430.4 SG3 234.8
 RRT -.5789 RRF -.6106 RTF .8280
 SGB 1277.7 R23 .1088 R13 -.8364
 SG1 1230.8 SG2 343.0 TMA 167.30

ORBIT DETERMINATION ACCURACY
 ST 305.5 SR 339.9 SS 129.1
 CRT -.0409 CRS .3219 CST -.9455
 LSA 350.2 MSA 320.2 SSA 19.2
 EL1 341.1 EL2 304.3 ALF 100.48

DIFFERENTIAL CORRECTIONS
 TDE -.0491 TRA-1.3476 TC3 -.4157 BAU .3595
 RDE -.4805 RRA .2374 RC3 .1287 FAU .11346
 FDE .0774 FRA-1.4224 FC3-1.5899 BSP 3340
 BDE .4631 BRA 1.3684 BC3 .4352 FSP -734

LAUNCH DATE JAN 3 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 29.742 GAL -14.65 AZL 87.86 MCA 121.86 SMA 144.27 ECC .25356 INC 2.1388 V1 30.287
 RP 108.24 LAP 1.82 LOP 224.05 VP 39.144 GAP 2.60 A7P 91.13 TAL 251.07 TAP 12.93 RCA 107.69 APO 180.85 V2 35.010
 RC 90.946 GL 7.87 GP 15.22 ZAL 166.02 ZAP 109.96 ETS 2.88 ZAE 151.21 ETE 159.80 ZAC 26.98 ETC 175.68 CLP-110.72

PLANETOCENTRIC CONIC
 C3 60.030 VHL 7.748 DLA -13.51 RAL 294.16 RAD 6569.1 VEL 13.468 PTH 2.46 VHP 4.517 DPA -8.33 RAP 293.57 ECC 1.9879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 44 2054.07 -15.38 31.57 171.33 114.07 2 29 58 1454.1 -12.00 24.52
 90.00 10 22 28 5564.99 28.27 259.62 181.09 91.62 11 55 13 4965.0 28.20 250.96
 100.00 3 9 59 1814.48 -16.84 13.26 170.64 115.07 3 40 14 1214.5 -13.32 6.23
 100.00 11 50 53 5279.82 29.88 238.69 181.13 90.84 13 18 53 4679.8 29.68 229.89
 110.00 4 2 19 1650.57 -20.67 358.81 168.62 117.85 4 29 50 1050.6 -16.78 351.84
 110.00 13 15 3 5016.50 34.16 218.67 181.10 88.69 14 38 39 4416.5 33.60 209.47

MID-COURSE EXECUTION ACCURACY
 SGT 1303.6 SGR 428.6 SG3 232.7
 RRT -.6031 RRF -.6344 RTF .8359
 SGB 1372.3 R23 .1185 R13 -.8434
 SG1 1330.8 SG2 334.9 TMA 168.01

ORBIT DETERMINATION ACCURACY
 ST 326.6 SR 329.6 SS 125.8
 CRT -.0389 CRS .2984 CST -.9513
 LSA 354.2 MSA 324.5 SSA 19.2
 EL1 334.6 EL2 321.5 ALF 128.54

DIFFERENTIAL CORRECTIONS
 TDE -.0557 TRA-1.4169 TC3 -.4727 BAU .3952
 RDE -.4396 RRA .2364 RC3 .1380 FAU .11123
 FDE .0603 FRA-1.3611 FC3-1.6041 BSP 3681
 BDE .4431 BRA 1.4364 BC3 .4924 FSP -725

LAUNCH DATE JAN 3 1966

FLIGHT TIME 86.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 29.660 GAL -14.45 AZL 87.98 MCA 125.06 SMA 143.52 ECC .25069 INC 2.0203 V1 30.287
 RP 108.29 LAP 1.65 LOP 227.25 VP 39.070 GAP 3.01 A7P 91.16 TAL 250.02 TAP 15.08 RCA 107.54 APO 179.49 V2 34.996
 RC 93.279 GL 7.62 GP 15.62 ZAL 165.75 ZAP 113.42 ETS 4.15 ZAE 148.90 ETE 160.50 ZAC 26.53 ETC 176.54 CLP-114.37

PLANETOCENTRIC CONIC
 C3 58.281 VHL 7.634 DLA -13.76 RAL 294.78 RAD 6569.1 VEL 13.403 PTH 2.45 VHP 4.561 DPA -7.99 RAP 293.08 ECC 1.9592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 23 2038.23 -14.94 30.61 171.48 114.34 2 34 21 1438.2 -11.53 23.60
 90.00 10 22 45 5566.40 28.27 259.72 181.27 91.67 11 55 32 4966.4 28.20 251.06
 100.00 3 14 29 1799.18 -16.40 12.34 170.78 115.35 3 44 28 1199.2 -12.85 5.34
 100.00 11 51 21 5280.69 29.88 238.75 181.31 90.87 13 19 22 4680.7 29.68 229.95
 110.00 4 6 27 1636.39 -20.22 357.96 168.75 118.17 4 33 43 1036.4 -16.30 351.03
 110.00 13 15 52 5016.24 34.16 218.65 181.29 88.68 14 39 28 4416.2 33.60 209.45

MID-COURSE EXECUTION ACCURACY
 SGT 1406.3 SGR 426.4 SG3 230.0
 RRT -.6270 RRF -.6587 RTF .8419
 SGB 1469.5 R23 .1294 R13 -.8487
 SG1 1432.9 SG2 326.0 TMA 168.64

ORBIT DETERMINATION ACCURACY
 ST 348.5 SR 317.6 SS 122.6
 CRT -.0302 CRS .2589 CST -.9588
 LSA 369.5 MSA 316.9 SSA 19.3
 EL1 349.2 EL2 316.8 ALF 170.98

DIFFERENTIAL CORRECTIONS
 TDE -.0661 TRA-1.4843 TC3 -.5320 BAU .4303
 RDE -.4169 RRA .2346 RC3 .1480 FAU .10871
 FDE .0371 FRA-1.2977 FC3-1.6148 BSP 4039
 BDE .4221 BRA 1.5027 BC3 .5522 FSP -721

LAUNCH DATE JAN 3 1966

FLIGHT TIME 88.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 271.080

RL 147.10 LAL .00 LOL 102.17 VL 29.576 GAL -14.25 AZL 88.11 MCA 128.26 SMA 142.75 ECC .24787 INC 1.8921 V1 30.287
 RP 108.33 LAP 1.49 LOP 230.44 VP 38.995 GAP 3.39 AZP 91.17 TAL 248.92 TAP 17.17 RCA 107.37 APO 178.13 V2 34.983
 RC 95.821 GL 7.23 GP 16.06 ZAL 165.44 ZAP 116.63 ETS 5.48 ZAE 146.76 ETE 160.96 ZAC 26.30 ETC 177.49 CLP -117.81

PLANETOCENTRIC CONIC

C3 56.535 VHL 7.519 DLA -14.04 RAL 295.44 RAD 6569.0 VEL 13.338 PTH 2.44 VHP 4.616 DPA -7.58 RAP 292.80 ECC 1.9304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 33 2020.88 -14.45 29.58 171.67 114.62 2 39 14 1420.9 -11.01 22.59
 90.00 10 22 54 5568.85 28.27 259.90 181.49 91.76 11 55 43 4968.8 28.21 251.24
 100.00 3 19 27 1782.45 -15.91 11.34 170.96 115.65 3 49 10 1182.4 -12.33 4.38
 100.00 11 51 41 5282.51 29.88 238.89 181.54 90.94 13 19 44 4682.5 29.69 230.09
 110.00 4 11 1 1620.96 -19.72 357.04 168.91 118.50 4 38 2 1021.0 -15.76 350.16
 110.00 13 16 37 5016.76 34.16 218.69 181.52 88.70 14 40 14 4416.8 33.60 209.49

DIFFERENTIAL CORRECTIONS

TDE -.0801 TRA-1.5485 TC3 -.5933 BAU .4641
 RDE -.3929 RRA .2318 RC3 .1584 FAU .10580
 FDE .0130 FRA-1.2292 FC3-1.6201 BSP 4393
 BDE .4010 BRA 1.5658 BC3 .6141 FSP -713

MID-COURSE EXECUTION ACCURACY

SGT 1509.7 SGR 423.7 SG3 226.4
 RRT -.6499 RRF -.6836 RTF .8461
 SGB 1568.1 R23 .1426 R13 -.8523
 SG1 1535.8 SG2 316.6 THA 169.20

ORBIT DETERMINATION ACCURACY

ST 370.9 SR 304.4 SS 119.2
 CRT -.0164 CRS .2122 CST -.9655
 LSA 388.9 MSA 304.8 SSA 19.4
 EL1 371.0 EL2 304.3 ALF 177.64

LAUNCH DATE JAN 3 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 277.131

RL 147.10 LAL .00 LOL 102.17 VL 29.491 GAL -14.04 AZL 88.25 MCA 131.45 SMA 141.98 ECC .24511 INC 1.7522 V1 30.287
 RP 108.37 LAP 1.31 LOP 233.64 VP 38.918 GAP 3.75 AZP 91.16 TAL 247.76 TAP 19.21 RCA 107.18 APO 176.78 V2 34.970
 RC 97.969 GL 6.79 GP 16.58 ZAL 165.10 ZAP 119.61 ETS 6.91 ZAE 144.76 ETE 161.21 ZAC 26.28 ETC 178.53 CLP -121.03

PLANETOCENTRIC CONIC

C3 54.792 VHL 7.402 DLA -14.37 RAL 296.15 RAD 6569.0 VEL 13.272 PTH 2.43 VHP 4.679 DPA -7.07 RAP 292.72 ECC 1.9017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 20 2001.63 -13.90 28.43 171.89 114.92 2 44 42 1401.6 -10.42 21.47
 90.00 10 22 49 5572.67 28.26 260.18 181.77 91.90 11 55 41 4972.7 28.22 251.52
 100.00 3 25 0 1763.94 -15.36 10.24 171.17 115.96 3 54 24 1163.9 -11.74 3.31
 100.00 11 51 50 5285.59 29.88 239.11 181.81 91.06 13 19 55 4685.6 29.70 230.31
 110.00 4 16 4 1603.99 -19.17 356.04 169.10 118.86 4 42 48 1004.0 -15.17 349.20
 110.00 13 17 15 5018.31 34.16 218.81 181.81 88.78 14 40 53 4418.3 33.62 209.61

DIFFERENTIAL CORRECTIONS

TDE -.0983 TRA-1.6094 TC3 -.6570 BAU .4970
 RDE -.3677 RRA .2281 RC3 .1696 FAU .10262
 FDE -.0131 FRA-1.1583 FC3-1.6214 BSP 4755
 BDE .3806 BRA 1.6255 BC3 .6785 FSP -704

MID-COURSE EXECUTION ACCURACY

SGT 1614.2 SGR 421.0 SG3 222.3
 RRT -.6723 RRF -.7095 RTF .8490
 SGB 1668.2 R23 .1584 R13 -.8549
 SG1 1639.7 SG2 306.8 THA 169.69

ORBIT DETERMINATION ACCURACY

ST 394.3 SR 289.9 SS 116.0
 CRT .0031 CRS .1543 CST -.9718
 LSA 410.2 MSA 290.4 SSA 19.5
 EL1 394.3 EL2 289.9 ALF .28

LAUNCH DATE JAN 3 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 283.153

RL 147.10 LAL .00 LOL 102.17 VL 29.404 GAL -13.83 AZL 88.40 MCA 134.65 SMA 141.21 ECC .24242 INC 1.5980 V1 30.287
 RP 108.41 LAP 1.14 LOP 236.83 VP 38.841 GAP 4.09 AZP 91.12 TAL 246.55 TAP 21.20 RCA 106.97 APO 175.44 V2 34.957
 RC 100.323 GL 6.28 GP 17.18 ZAL 164.72 ZAP 122.34 ETS 8.46 ZAE 142.90 ETE 161.27 ZAC 26.47 ETC 179.68 CLP -124.05

PLANETOCENTRIC CONIC

C3 53.053 VHL 7.284 DLA -14.76 RAL 296.92 RAD 6568.9 VEL 13.207 PTH 2.41 VHP 4.750 DPA -6.45 RAP 292.82 ECC 1.8731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 51 1980.02 -13.27 27.15 172.15 115.24 2 50 51 1380.0 -9.76 20.23
 90.00 10 22 22 5578.34 28.24 260.60 182.09 92.11 11 55 21 4978.3 28.24 251.93
 100.00 3 31 15 1743.23 -14.74 9.01 171.42 116.30 4 0 18 1143.2 -11.08 2.13
 100.00 11 51 40 5290.37 29.87 239.47 182.15 91.25 13 19 50 4690.4 29.72 230.67
 110.00 4 21 44 1585.10 -18.54 354.93 169.33 119.25 4 48 9 985.1 -14.50 348.14
 110.00 13 17 40 5021.26 34.17 219.04 182.16 88.91 14 41 22 4421.3 33.64 209.84

DIFFERENTIAL CORRECTIONS

TDE -.1206 TRA-1.6653 TC3 -.7228 BAU .5285
 RDE -.3417 RRA .2228 RC3 .1814 FAU .09906
 FDE -.0374 FRA-1.0814 FC3-1.6165 BSP 5098
 BDE .3624 BRA 1.6802 BC3 .7452 FSP -684

MID-COURSE EXECUTION ACCURACY

SGT 1718.3 SGR 418.3 SG3 217.2
 RRT -.6933 RRF -.7360 RTF .8505
 SGB 1768.5 R23 .1778 R13 -.8561
 SG1 1743.4 SG2 297.1 THA 170.13

ORBIT DETERMINATION ACCURACY

ST 418.5 SR 274.4 SS 112.8
 CRT .0274 CRS .0929 CST -.9763
 LSA 432.9 MSA 274.6 SSA 19.6
 EL1 418.6 EL2 274.2 ALF 1.80

LAUNCH DATE JAN 3 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 289.149

RL 147.10 LAL .00 LOL 102.17 VL 29.316 GAL -13.61 AZL 88.57 MCA 137.83 SMA 140.43 ECC .23979 INC 1.4260 V1 30.287
 RP 108.44 LAP .96 LOP 240.01 VP 38.763 GAP 4.41 AZP 91.06 TAL 245.30 TAP 23.14 RCA 106.76 APO 174.11 V2 34.945
 RC 102.682 GL 5.68 GP 17.89 ZAL 164.31 ZAP 124.84 ETS 10.16 ZAE 141.15 ETE 161.15 ZAC 26.84 ETC 180.95 CLP -126.89

PLANETOCENTRIC CONIC

C3 51.321 VHL 7.164 DLA -15.22 RAL 297.73 RAD 6568.9 VEL 13.141 PTH 2.40 VHP 4.829 DPA -5.71 RAP 293.07 ECC 1.8446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 18 1955.42 -12.55 25.70 172.47 115.59 2 57 54 1355.4 -9.01 18.82
 90.00 10 21 28 5586.48 28.22 261.19 182.49 92.40 11 54 32 4986.5 28.26 252.53
 100.00 3 38 21 1719.71 -14.02 7.63 171.73 116.67 4 7 1 1119.7 -10.33 .79
 100.00 11 51 4 5297.42 29.86 239.99 182.55 91.52 13 19 21 4697.4 29.75 231.19
 110.00 4 28 7 1563.81 -17.83 353.69 169.61 119.66 4 54 11 963.8 -13.75 346.95
 110.00 13 17 47 5026.08 34.17 219.42 182.58 89.13 14 41 33 4426.1 33.68 210.21

DIFFERENTIAL CORRECTIONS

TDE -.1490 TRA-1.7169 TC3 -.7919 BAU .5595
 RDE -.3141 RRA .2168 RC3 .1948 FAU .09552
 FDE -.0678 FRA-1.0069 FC3-1.6114 BSP 5461
 BDE .3477 BRA 1.7305 BC3 .8155 FSP -671

MID-COURSE EXECUTION ACCURACY

SGT 1823.9 SGR 416.3 SG3 212.2
 RRT -.7144 RRF -.7637 RTF .8515
 SGB 1870.8 R23 .1999 R13 -.8570
 SG1 1848.6 SG2 287.4 THA 170.51

ORBIT DETERMINATION ACCURACY

ST 444.6 SR 257.1 SS 110.7
 CRT .0581 CRS .0066 CST -.9808
 LSA 458.0 MSA 256.6 SSA 19.8
 EL1 444.9 EL2 256.4 ALF 2.88

LAUNCH DATE JAN 3 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 295.121

RL 147.10 LAL .00 LOL 102.17 VL 29.227 GAL -13.39 AZL 88.77 HCA 141.02 SMA 139.66 ECC .23723 INC 1.2315 VI 30.287
 RP 108.48 LAP .77 LOP 243.20 VP 38.684 GAP 4.72 AZP 90.96 TAL 244.01 TAP 25.03 RCA 106.53 APO 172.80 V2 34.932
 RC 105.043 GL 4.98 GP 18.74 ZAL 163.85 ZAP 127.09 ETS 12.04 ZAE 139.50 ETE 160.85 ZAC 27.40 ETC 182.37 CLP-129.56

PLANETOCENTRIC CONIC

C3 49.600 VHL 7.043 DLA -15.77 RAL 298.61 RAD 6568.8 VEL 13.075 PTH 2.39 VHP 4.916 DPA -4.81 RAP 293.47 ECC 1.8163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 33 56 1926.94 -11.71 24.03 172.85 115.97 3 6 3 1326.9 -8.13 17.19
 90.00 10 19 47 5597.96 28.19 262.03 182.96 92.82 11 53 5 4998.0 28.28 253.37
 100.00 3 46 34 1692.60 -13.19 6.05 172.09 117.07 4 14 47 1092.6 -9.45 359.25
 100.00 11 49 50 5307.54 29.84 240.74 183.04 91.92 13 18 18 4707.5 29.78 231.94
 110.00 4 35 27 1539.47 -17.00 352.28 169.94 120.11 5 1 6 939.5 -12.87 345.61
 110.00 13 17 27 5033.42 34.18 219.99 183.10 89.47 14 41 20 4433.4 33.73 210.78

DIFFERENTIAL CORRECTIONS

TDE -.1838 TRA-1.7626 TC3 -.8641 BAU .5896
 RDE -.2852 RRA .2096 RC3 .2096 FAU .09186
 FDE -.1009 FRA -.9317 FC3-1.6034 BSP .5825
 BDE .3393 BRA 1.7750 BC3 .8891 FSP -.657

MID-COURSE EXECUTION ACCURACY

SGT 1929.8 SGR 415.2 SG3 206.8
 RRT -.7346 RRF -.7922 RTF .8519
 SGB 1973.9 R23 .2255 R13 -.8574
 SG1 1954.2 SG2 278.2 THA 170.83

ORBIT DETERMINATION ACCURACY

ST 472.8 SR 238.2 SS 110.1
 CRT .0942 CRS -.0954 CST -.9825
 LSA 285.7 MSA 236.8 SSA 20.0
 EL1 473.5 EL2 236.8 ALF 3.63

LAUNCH DATE JAN 3 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 301.069

RL 147.10 LAL .00 LOL 102.17 VL 29.137 GAL -13.16 AZL 88.99 HCA 144.21 SMA 138.90 ECC .23475 INC 1.0083 VI 30.287
 RP 108.52 LAP .59 LOP 246.38 VP 38.606 GAP 5.02 AZP 90.82 TAL 242.67 TAP 26.88 RCA 106.29 APO 171.51 V2 34.920
 RC 107.406 GL 4.14 GP 19.76 ZAL 163.35 ZAP 129.09 ETS 14.16 ZAE 137.93 ETE 160.35 ZAC 28.14 ETC 183.96 CLP-132.07

PLANETOCENTRIC CONIC

C3 47.894 VHL 6.921 DLA -16.45 RAL 299.55 RAD 6568.8 VEL 13.010 PTH 2.37 VHP 5.011 DPA -3.72 RAP 293.98 ECC 1.7882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 8 1893.37 -10.70 22.08 173.31 116.37 3 15 42 1293.4 -7.08 15.28
 90.00 10 17 7 5614.04 28.13 263.20 183.53 93.41 11 50 41 5014.0 28.30 254.54
 100.00 3 56 13 1660.78 -12.20 4.21 172.54 117.50 4 23 54 1060.8 -8.42 357.46
 100.00 11 47 43 5321.86 29.80 241.81 183.63 92.48 13 16 25 4721.9 29.82 233.00
 110.00 4 43 58 1511.18 -16.03 350.67 170.34 120.60 5 9 10 911.2 -11.85 344.06
 110.00 13 16 27 5044.23 34.18 220.83 183.74 89.97 14 40 31 4444.2 33.80 211.61

DIFFERENTIAL CORRECTIONS

TDE -.2268 TRA-1.8016 TC3 -.9399 BAU .6190
 RDE -.2549 RRA .2009 RC3 .2261 FAU .08809
 FDE -.1382 FRA -.8556 FC3-1.5922 BSP .6193
 BDE .3412 BRA 1.8127 BC3 .9668 FSP -.642

MID-COURSE EXECUTION ACCURACY

SGT 2036.3 SGR 415.4 SG3 201.1
 RRT -.7534 RRF -.8211 RTF .8520
 SGB 2078.2 R23 .2550 R13 -.8574
 SG1 2060.6 SG2 270.0 THA 171.11

ORBIT DETERMINATION ACCURACY

ST 504.4 SR 217.6 SS 111.7
 CRT .1365 CRS -.2136 CST -.9793
 LSA 517.3 MSA 215.1 SSA 20.3
 EL1 505.5 EL2 215.1 ALF 4.12

LAUNCH DATE JAN 3 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 306.996

RL 147.10 LAL .00 LOL 102.17 VL 29.047 GAL -12.92 AZL 89.25 HCA 147.39 SMA 138.14 ECC .23235 INC .7481 VI 30.287
 RP 108.56 LAP .40 LOP 249.56 VP 38.527 GAP 5.29 AZP 90.63 TAL 241.30 TAP 28.69 RCA 106.04 APO 170.24 V2 34.909
 RC 109.770 GL 3.12 GP 21.00 ZAL 162.78 ZAP 130.82 ETS 16.57 ZAE 136.39 ETE 159.65 ZAC 29.06 ETC 185.76 CLP-134.44

PLANETOCENTRIC CONIC

C3 46.211 VHL 6.798 DLA -17.29 RAL 300.58 RAD 6568.7 VEL 12.945 PTH 2.36 VHP 5.118 DPA -2.40 RAP 294.59 ECC 1.7605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 56 27 1852.92 -9.47 19.75 173.90 116.81 3 27 20 1252.9 -5.80 13.00
 90.00 10 13 0 5636.56 28.03 264.84 184.23 94.22 11 46 56 5036.6 28.32 256.19
 100.00 4 7 49 1622.66 -10.99 2.02 173.10 117.98 4 34 51 1022.7 -7.16 355.33
 100.00 11 44 19 5342.05 29.73 243.31 184.36 93.26 13 13 21 4742.1 29.87 234.50
 110.00 4 54 6 1477.66 -14.86 348.78 170.85 121.14 5 18 43 877.7 -10.62 342.23
 110.00 13 14 32 5059.82 34.18 222.05 184.54 90.69 14 38 51 4459.8 33.90 212.82

DIFFERENTIAL CORRECTIONS

TDE -.2787 TRA-1.8312 TC3-1.0187 BAU .6472
 RDE -.2234 RRA .1900 RC3 .2444 FAU .08402
 FDE -.1766 FRA -.7750 FC3-1.5740 BSP .6531
 BDE .3572 BRA 1.8410 BC3 1.0476 FSP -.618

MID-COURSE EXECUTION ACCURACY

SGT 2141.5 SGR 417.1 SG3 194.5
 RRT -.7691 RRF -.8494 RTF .8513
 SGB 2181.8 R23 .2888 R13 -.8567
 SG1 2165.8 SG2 263.6 THA 171.35

ORBIT DETERMINATION ACCURACY

ST 540.4 SR 195.2 SS 115.7
 CRT .1841 CRS -.3344 CST -.9704
 LSA 553.4 MSA 191.9 SSA 20.6
 EL1 541.8 EL2 191.3 ALF 4.35

LAUNCH DATE JAN 3 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 312.903

RL 147.10 LAL .00 LOL 102.17 VL 28.957 GAL -12.68 AZL 89.56 HCA 150.57 SMA 137.39 ECC .23003 INC .4382 VI 30.287
 RP 108.59 LAP .22 LOP 252.73 VP 38.449 GAP 5.56 AZP 90.38 TAL 239.90 TAP 30.46 RCA 105.79 APO 169.00 V2 34.897
 RC 112.133 GL 1.86 GP 22.52 ZAL 162.13 ZAP 132.24 ETS 19.33 ZAE 134.84 ETE 158.72 ZAC 30.17 ETC 187.81 CLP-136.70

PLANETOCENTRIC CONIC

C3 44.566 VHL 6.676 DLA -18.35 RAL 301.71 RAD 6568.7 VEL 12.881 PTH 2.35 VHP 5.239 DPA -.78 RAP 295.24 ECC 1.7334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 46 1802.84 -7.92 16.89 174.66 117.28 3 41 49 1202.8 -4.20 10.18
 90.00 10 6 41 5668.42 27.84 267.16 185.10 95.37 11 41 10 5068.4 28.30 258.52
 100.00 4 22 8 1575.80 -9.48 359.36 173.83 118.48 4 48 23 975.8 -5.60 352.72
 100.00 11 39 1 5370.69 29.60 245.42 185.27 94.37 13 8 32 4770.7 29.89 236.63
 110.00 5 6 25 1437.04 -13.42 346.51 171.50 121.74 5 30 22 837.0 -9.12 340.05
 110.00 13 11 13 5082.22 34.14 223.80 185.55 91.73 14 35 56 4482.2 34.01 214.56

DIFFERENTIAL CORRECTIONS

TDE -.3446 TRA-1.8515 TC3-1.1018 BAU .6753
 RDE -.1893 RRA .1773 RC3 .2655 FAU .07991
 FDE -.2246 FRA -.6961 FC3-1.5522 BSP .6895
 BDE .3932 BRA 1.8600 BC3 1.1334 FSP -.599

MID-COURSE EXECUTION ACCURACY

SGT 2248.2 SGR 421.6 SG3 187.9
 RRT -.7826 RRF -.8772 RTF .8509
 SGB 2287.4 R23 .3250 R13 -.8565
 SG1 2272.6 SG2 259.6 THA 171.54

ORBIT DETERMINATION ACCURACY

ST 584.5 SR 169.8 SS 125.3
 CRT .2361 CRS -.4589 CST -.9551
 LSA 598.3 MSA 166.8 SSA 21.0
 EL1 586.0 EL2 164.5 ALF 4.26

LAUNCH DATE JAN 3 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 316.792

RL 147.10 LAL .00 LOL 102.17 VL 28.867 GAL -12.43 AZL 89.94 MCA 153.74 SMA 136.66 ECC .22780 INC .0610 V1 30.287
 RP 108.63 LAP .03 LOP 255.91 VP 38.371 GAP 5.81 A7P 90.06 TAL 238.46 TAP 32.20 RCA 105.53 APO 167.79 V2 34.886
 RC 114.493 GL .27 GP 24.40 ZAL 161.35 ZAP 133.30 ETS 22.53 ZAE 133.23 ETE 157.52 ZAC 31.47 ETC 190.18 CLP-138.85

PLANETOCENTRIC CONIC

C3 42.982 VML 6.556 DLA -19.72 RAL 302.97 RAD 6568.6 VEL 12.820 PTH 2.33 VMP 5.380 DPA 1.22 RAP 295.92 ECC 1.7074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 34 1738.59 -5.90 13.25 175.72 117.75 4 0 33 1138.6 -2.14 6.59
 90.00 9 56 59 5714.46 27.51 270.48 186.18 97.01 11 32 13 5114.5 28.19 261.88
 100.00 4 40 27 1516.30 -7.53 356.02 174.83 119.01 5 5 43 916.3 -3.60 349.44
 100.00 11 30 47 5411.98 29.35 248.47 186.42 95.95 13 0 59 4812.0 29.86 239.70
 110.00 5 21 53 1386.43 -11.59 343.73 172.39 122.39 5 45 0 786.4 -7.23 337.35
 110.00 13 5 50 5114.62 34.05 226.33 186.86 93.22 14 31 4 4514.6 34.12 217.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4291 TRA-1.8599 TC3-1.1890 BAU .7032 SGT 2356.4 SGR 429.3 SG3 180.6 ST 641.2 SR 140.8 S5 142.0
 RDE -.1521 RRA .1618 RC3 .2895 FAU .07557 RRT -.7921 RRF -.9034 RTF .8507 CRT .2875 CRS -.5635 CST -.9380
 FDE -.2811 FRA -.6157 FC3-1.5220 BSP 7277 SGB 2395.2 R23 .3625 R13 -.8566 LSA 656.4 MSA 140.8 S5A 21.5
 BDE .4553 BRA 1.8670 BC3 1.2238 FSP -579 SGI 2381.2 SG2 259.3 THA 171.69 EL1 642.5 EL2 134.6 ALF 3.78

LAUNCH DATE JAN 3 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 324.662

RL 147.10 LAL .00 LOL 102.17 VL 28.777 GAL -12.17 AZL 90.41 MCA 156.91 SMA 135.93 ECC .22565 INC .4084 V1 30.287
 RP 108.66 LAP -.16 LOP 259.08 VP 38.294 GAP 6.05 A7P 89.62 TAL 236.99 TAP 33.90 RCA 105.26 APO 166.61 V2 34.875
 RC 116.852 GL -1.79 GP 26.78 ZAL 160.34 ZAP 133.88 ETS 26.26 ZAE 131.46 ETE 156.02 ZAC 33.01 ETC 192.98 CLP-140.94

PLANETOCENTRIC CONIC

C3 41.507 VML 6.443 DLA -21.52 RAL 304.42 RAD 6568.6 VEL 12.762 PTH 2.32 VMP 5.553 DPA 3.72 RAP 296.55 ECC 1.6831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 39 1651.77 -3.13 8.37 177.27 118.16 4 26 11 1051.8 .66 1.74
 90.00 9 41 28 5783.67 26.83 275.43 187.54 99.40 11 17 52 5183.7 27.86 266.92
 100.00 5 5 8 1437.22 -4.90 351.63 176.30 119.53 5 29 5 837.2 -.93 345.09
 100.00 11 17 41 5473.45 28.83 252.96 187.89 98.27 12 48 54 4873.4 29.67 244.26
 110.00 5 42 11 1321.05 -9.18 340.20 173.67 123.07 6 4 12 721.0 -4.76 333.90
 110.00 12 57 6 5162.59 33.80 230.04 188.59 95.40 14 23 9 4562.4 34.18 220.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5369 TRA-1.8495 TC3-1.2762 BAU .7295 SGT 2461.3 SGR 440.0 SG3 171.8 ST 715.4 SR 107.6 S5 166.2
 RDE -.1112 RRA .1415 RC3 .3157 FAU .07066 RRT -.7950 RRF -.9263 RTF .8502 CRT .3260 CRS -.6292 CST -.9256
 FDE -.3444 FRA -.5280 FC3-1.4738 BSP 7603 SGB 2500.3 R23 .3998 R13 -.8564 LSA 732.8 MSA 116.2 S5A 21.6
 BDE .5483 BRA 1.8549 BC3 1.3147 FSP -548 SGI 2486.4 SG2 264.2 THA 171.82 EL1 716.2 EL2 101.6 ALF 2.86

LAUNCH DATE JAN 3 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 330.516

RL 147.10 LAL .00 LOL 102.17 VL 28.688 GAL -11.91 AZL 91.02 MCA 160.08 SMA 135.22 ECC .22359 INC 1.0217 V1 30.287
 RP 108.69 LAP -.35 LOP 262.25 VP 38.218 GAP 6.28 A7P 89.04 TAL 235.48 TAP 35.57 RCA 104.99 APO 165.45 V2 34.865
 RC 119.206 GL -4.53 GP 29.83 ZAL 158.96 ZAP 133.86 ETS 30.63 ZAE 129.41 ETE 154.17 ZAC 34.86 ETC 196.32 CLP-143.01

PLANETOCENTRIC CONIC

C3 40.235 VML 6.343 DLA -23.95 RAL 306.15 RAD 6568.5 VEL 12.712 PTH 2.31 VMP 5.775 DPA 6.88 RAP 297.06 ECC 1.6622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 30 1523.21 1.02 1.20 179.80 118.30 5 4 53 923.2 4.79 354.55
 90.00 9 14 25 608.47 25.33 305.45 189.14 103.10 9 24 34 8.5 26.89 297.12
 100.00 5 41 11 1324.11 -1.08 345.41 178.64 119.87 6 3 15 724.1 2.91 338.88
 100.00 10 55 25 5570.85 27.67 259.97 189.72 101.78 12 28 16 4970.8 29.02 251.42
 110.00 6 10 30 1232.14 -5.84 335.48 175.68 123.74 6 31 2 632.1 -1.37 329.25
 110.00 12 42 35 5235.58 33.19 235.66 190.88 98.68 14 9 51 4635.6 34.04 226.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6855 TRA-1.8187 TC3-1.3635 BAU .7566 SGT 2570.4 SGR 456.0 SG3 162.0 ST 822.8 SR 67.7 S5 204.0
 RDE -.0629 RRA .1160 RC3 .3450 FAU .06532 RRT -.7918 RRF -.9455 RTF .8513 CRT .2862 CRS -.6006 CST -.9236
 FDE -.4250 FRA -.4392 FC3-1.4055 BSP 7988 SGB 2610.6 R23 .4316 R13 -.8579 LSA 844.5 MSA 97.7 S5A 20.4
 BDE .6884 BRA 1.8224 BC3 1.4065 FSP -520 SGI 2596.0 SG2 275.8 THA 171.91 EL1 823.0 EL2 64.8 ALF 1.36

LAUNCH DATE JAN 3 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 336.353

RL 147.10 LAL .00 LOL 102.17 VL 28.599 GAL -11.64 AZL 91.85 MCA 163.25 SMA 134.52 ECC .22163 INC 1.8540 V1 30.287
 RP 108.72 LAP -.53 LOP 265.42 VP 38.142 GAP 6.50 A7P 88.22 TAL 233.96 TAP 37.20 RCA 104.71 APO 164.33 V2 34.856
 RC 121.557 GL -8.31 GP 33.83 ZAL 156.87 ZAP 132.96 ETS 35.75 ZAE 126.85 ETE 151.94 ZAC 37.15 ETC 200.38 CLP-145.12

PLANETOCENTRIC CONIC

C3 39.373 VML 6.275 DLA -27.36 RAL 308.34 RAD 6568.5 VEL 12.678 PTH 2.30 VMP 6.084 DPA 10.97 RAP 297.31 ECC 1.6480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 3 1271.06 9.03 347.00 184.99 116.95 6 22 14 671.1 12.57 340.11
 90.00 8 10 16 849.68 20.64 321.55 190.18 109.83 8 24 26 249.7 23.16 313.78
 100.00 6 43 59 1132.33 5.41 334.86 183.03 119.44 7 2 51 532.3 9.29 328.22
 100.00 10 10 1 5751.69 24.53 272.48 191.60 107.64 11 45 53 5151.7 26.71 264.36
 110.00 6 54 12 1100.23 -.82 328.57 179.17 124.17 7 12 33 500.2 3.67 322.36
 110.00 12 16 17 5356.55 31.58 244.72 193.85 103.81 13 45 34 4756.5 33.16 235.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8954 TRA-1.7532 TC3-1.4379 BAU .7821 SGT 2678.4 SGR 476.5 SG3 149.8 ST 981.7 SR 28.9 S5 258.2
 RDE -.0038 RRA .0809 RC3 .3739 FAU .05905 RRT -.7786 RRF -.9587 RTF .8540 CRT -.4025 CRS -.1176 CST -.9332
 FDE -.5225 FRA -.3432 FC3-1.2984 BSP 8353 SGB 2720.5 R23 .4550 R13 -.8611 LSA 1011.2 MSA 92.6 S5A 15.9
 BDE .8954 BRA 1.7551 BC3 1.4857 FSP -484 SGI 2704.3 SG2 296.2 THA 172.02 EL1 981.8 EL2 26.4 ALF 179.32

LAUNCH DATE JAN 3 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 342.172

RL 147.10 LAL .00 LOL 102.17 VL 28.510 GAL -11.37 AZL 93.06 MCA 166.40 SMA 133.84 ECC .21975 INC 3.0603 V1 30.287
 RP 108.75 LAP -.72 LOP 268.59 VP 38.067 GAP 6.71 A7P 87.03 TAL 232.40 TAP 38.80 RCA 104.43 APO 163.25 V2 34.846
 RC 123.903 GL -13.75 GP 39.19 ZAL 153.46 ZAP 130.80 ETS 41.72 ZAE 123.41 ETE 149.39 ZAC 40.09 ETC 205.43 CLP-147.47

PLANETOCENTRIC CONIC

C3 39.437 VHL 6.280 DLA -32.29 RAL 311.35 RAD 6568.5 VEL 12.681 PTH 2.30 VHP 6.557 DPA 16.37 RAP 297.05 ECC 1.6490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.79 5 11 56 1463.32 17.20 5.51 191.99 117.76 5 36 19 863.3 20.78 358.36
 106.21 9 23 25 658.25 17.22 305.84 192.00 117.75 9 34 23 58.2 20.79 298.69
 73.79 5 11 56 1463.32 17.20 5.51 191.99 117.76 5 36 19 863.3 20.78 358.36
 106.21 9 23 25 658.25 17.22 305.84 192.00 117.75 9 34 23 58.2 20.79 298.69
 110.00 8 21 32 849.78 8.68 315.41 186.86 123.19 8 35 42 249.8 12.99 308.97
 110.00 11 13 0 5607.82 26.15 262.23 196.54 112.84 12 46 27 5007.8 29.01 254.21

DIFFERENTIAL CORRECTIONS

TDE-1.2151 TRA-1.6317 TC3-1.4746 BAU .8046
 RDE .0718 RRA .0285 RC3 .3929 FAU .05131
 FDE -.6392 FRA -.2359 FC3-1.1264 BSP 8696
 BDE 1.2172 BRA 1.6319 BC3 1.5261 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 2785.8 SGR 498.7 SG3 134.0
 RRT -.7490 RRF -.9618 RTF .8597
 SGB 2830.0 R23 .4661 R13 -.8672
 SGI 2811.0 SG2 327.5 TMA 172.26

ORBIT DETERMINATION ACCURACY

ST 1229.3 SR 67.8 SS 334.1
 CRT -.9397 CRS .9890 CST -.9508
 LSA 1271.6 MSA 102.1 SSA 9.8
 EL1 1230.9 EL2 23.2 ALF 177.03

LAUNCH DATE JAN 3 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 347.970

RL 147.10 LAL .00 LOL 102.17 VL 28.423 GAL -11.08 AZL 94.98 MCA 169.55 SMA 133.17 ECC .21794 INC 4.9765 V1 30.287
 RP 108.78 LAP -.90 LOP 271.76 VP 37.994 GAP 6.90 A7P 85.11 TAL 230.81 TAP 40.36 RCA 104.14 APO 162.19 V2 34.838
 RC 126.245 GL -21.94 GP 46.57 ZAL 147.51 ZAP 126.75 ETS 48.73 ZAE 118.45 ETE 146.84 ZAC 44.08 ETC 211.88 CLP-150.50

PLANETOCENTRIC CONIC

C3 41.945 VHL 6.476 DLA -39.67 RAL 316.16 RAD 6568.6 VEL 12.779 PTH 2.32 VHP 7.379 DPA 23.64 RAP 295.75 ECC 1.6903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.96 4 19 23 1693.66 20.09 25.70 199.97 124.96 4 47 37 1093.7 24.53 18.91
 119.04 10 54 21 5747.08 20.11 269.76 199.98 124.95 12 30 8 5147.1 24.54 262.98
 60.96 4 19 23 1693.66 20.09 25.70 199.97 124.96 4 47 37 1093.7 24.53 18.91
 119.04 10 54 21 5747.08 20.11 269.76 199.98 124.95 12 30 8 5147.1 24.54 262.98
 60.96 4 19 23 1693.66 20.09 25.70 199.97 124.96 4 47 37 1093.7 24.53 18.91
 119.04 10 54 21 5747.08 20.11 269.76 199.98 124.95 12 30 8 5147.1 24.54 262.98

DIFFERENTIAL CORRECTIONS

TDE-1.7621 TRA-1.4075 TC3-1.4131 BAU .8203
 RDE .1711 RRA -.0546 RC3 .3781 FAU .04174
 FDE -.7830 FRA -.1193 FC3 -.8614 BSP 9084
 BDE 1.7704 BRA 1.4086 BC3 1.4628 FSP -371

MID-COURSE EXECUTION ACCURACY

SGT 2897.9 SGR 516.5 SG3 114.1
 RRT -.6888 RRF -.9425 RTF .8739
 SGB 2943.6 R23 .4558 R13 -.8813
 SGI 2920.0 SG2 371.6 TMA 172.89

ORBIT DETERMINATION ACCURACY

ST 1633.6 SR 153.3 SS 442.9
 CRT -.9093 CRS .9822 CST -.9707
 LSA 1695.3 MSA 119.7 SSA 5.1
 EL1 1639.6 EL2 63.6 ALF 175.12

LAUNCH DATE JAN 3 1966

FLIGHT TIME 116.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 353.736

RL 147.10 LAL .00 LOL 102.17 VL 28.336 GAL -10.79 AZL 98.51 MCA 172.68 SMA 132.51 ECC .21618 INC 8.5094 V1 30.287
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.921 GAP 7.08 A7P 81.56 TAL 229.20 TAP 41.87 RCA 103.86 APO 161.16 V2 34.830
 RC 128.581 GL -34.57 GP 56.84 ZAL 136.93 ZAP 119.96 ETS 57.63 ZAE 110.81 ETE 145.84 ZAC 49.67 ETC 220.95 CLP-155.94

PLANETOCENTRIC CONIC

C3 52.695 VHL 7.259 DLA -50.60 RAL 325.89 RAD 6568.9 VEL 13.193 PTH 2.41 VHP 9.084 DPA 33.48 RAP 292.03 ECC 1.8672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.13 4 1 24 1899.42 21.76 46.12 216.74 136.89 4 33 3 1299.4 27.49 40.38
 133.87 12 30 1 5655.58 21.78 262.94 216.76 136.89 14 4 16 5055.6 27.50 257.20
 46.13 4 1 24 1899.42 21.76 46.12 216.74 136.89 4 33 3 1299.4 27.49 40.38
 133.87 12 30 1 5655.58 21.78 262.94 216.76 136.89 14 4 16 5055.6 27.50 257.20
 46.13 4 1 24 1899.42 21.76 46.12 216.74 136.89 4 33 3 1299.4 27.49 40.38
 133.87 12 30 1 5655.58 21.78 262.94 216.76 136.89 14 4 16 5055.6 27.50 257.20

DIFFERENTIAL CORRECTIONS

TDE-2.8608 TRA -.9332 TC3-1.1118 BAU .8058
 RDE .2364 RRA -.2002 RC3 .2689 FAU .02972
 FDE -.9524 FRA .0184 FC3 -.4883 BSP 9396
 BDE 2.8705 BRA .9544 BC3 1.1438 FSP -288

MID-COURSE EXECUTION ACCURACY

SGT 3008.5 SGR 499.2 SG3 89.3
 RRT -.9078 RRF -.8193 RTF .9054
 SGB 3049.6 R23 .4063 R13 -.9104
 SGI 3019.3 SG2 428.5 TMA 175.09

ORBIT DETERMINATION ACCURACY

ST 2285.2 SR 201.3 SS 590.3
 CRT -.8605 CRS .9314 CST -.9869
 LSA 2364.8 MSA 136.5 SSA 2.3
 EL1 2291.8 EL2 102.3 ALF 175.66

LAUNCH DATE JAN 3 1966

FLIGHT TIME 118.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 359.424

RL 147.10 LAL .00 LOL 102.17 VL 28.250 GAL -10.47 AZL 107.14 MCA 175.73 SMA 131.87 ECC .21433 INC17.1401 V1 30.287
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.850 GAP 7.24 A7P 72.90 TAL 227.53 TAP 43.26 RCA 103.60 APO 160.13 V2 34.822
 RC 130.911 GL -52.19 GP 70.27 ZAL 119.70 ZAP 109.65 ETS 76.39 ZAE 98.07 ETE 155.72 ZAC 57.11 ETC 241.12 CLP-175.01

PLANETOCENTRIC CONIC

C3 107.380 VHL 10.362 DLA -62.52 RAL 352.51 RAD 6570.1 VEL 15.123 PTH 2.72 VHP 13.806 DPA 45.88 RAP 280.80 ECC 2.7672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.61 5 7 43 2145.31 15.45 65.96 254.23 151.40 5 43 28 1545.3 22.44 62.24
 148.39 14 56 3 5738.64 15.47 263.48 254.25 151.40 16 31 41 5138.6 22.45 259.76
 31.61 5 7 43 2145.31 15.45 65.96 254.23 151.40 5 43 28 1545.3 22.44 62.24
 148.39 14 56 3 5738.64 15.47 263.48 254.25 151.40 16 31 41 5138.6 22.45 259.76
 31.61 5 7 43 2145.31 15.45 65.96 254.23 151.40 5 43 28 1545.3 22.44 62.24
 148.39 14 56 3 5738.64 15.47 263.48 254.25 151.40 16 31 41 5138.6 22.45 259.76

DIFFERENTIAL CORRECTIONS

TDE-5.2405 TRA .4122 TC3 -.4404 BAU .6340
 RDE -.9034 RRA -.2832 RC3 .0335 FAU .01538
 FDE-1.1323 FRA .2329 FC3 -.1240 BSP 9672
 BDE 5.3178 BRA .5002 BC3 .4417 FSP -201

MID-COURSE EXECUTION ACCURACY

SGT 3077.8 SGR 607.9 SG3 63.2
 RRT .6500 RRF .4496 RTF .9704
 SGB 3137.3 R23 -.2571 R13 .9656
 SGI 3103.7 SG2 458.1 TMA 7.48

ORBIT DETERMINATION ACCURACY

ST 2901.5 SR 509.8 SS 753.4
 CRT .9683 CRS -.9446 CST -.9966
 LSA 3037.5 MSA 141.4 SSA 1.0
 EL1 2943.3 EL2 125.6 ALF 9.67

LAUNCH DATE JAN 3 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 364.620

RL 147.10 LAL .00 LOL 102.17 VL 28.164 GAL -10.05 AZL 147.34 MCA 178.30 SMA 131.24 ECC .21117 INC57.3382 V1 30.287
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.780 GAP 7.25 AZP 32.67 TAL 225.67 TAP 43.97 RCA 103.53 APO 158.96 V2 34.816
 RC 133.236 GL -55.43 GP 62.51 ZAL 99.98 ZAP 97.27 ETS 160.55 ZAE 68.44 ETE 232.68 ZAC 63.01 ETC 332.32 CLP 105.92

PLANETOCENTRIC CONIC

C3 803.980 VML 28.355 DLA -51.03 RAL 26.11 RAD 6572.8 VEL 30.418 PTH 3.46 VMP 36.738 DPA 47.94 RAP 237.61 ECC14.2315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.59 7 59 53 2319.83 .25 63.73 295.89 141.03 8 38 33 1719.8 6.46 59.09
 134.41 16 31 54 780.06 .26 301.82 295.91 141.03 16 44 54 180.1 6.47 297.19
 45.59 7 59 53 2319.83 .25 63.73 295.89 141.03 8 38 33 1719.8 6.46 59.09
 134.41 16 31 54 780.06 .26 301.82 295.91 141.03 16 44 54 180.1 6.47 297.19
 45.59 7 59 53 2319.83 .25 63.73 295.89 141.03 8 38 33 1719.8 6.46 59.09
 134.41 16 31 54 780.06 .26 301.82 295.91 141.03 16 44 54 180.1 6.47 297.19

DIFFERENTIAL CORRECTIONS

TDE 2.3554 TRA .8850 TC3 -.0355 BAU 1.7810
 RDE -8.4208 RRA 6.5759 RC3 .1618 FAU -.02478
 FDE -1.3896 FRA 1.3058 FC3 .0267 BSP 7122
 BDE 8.7440 BRA 6.6352 BC3 .1657 FSP -119

MID-COURSE EXECUTION ACCURACY

SGT 589.9 SGR 2864.0 SG3 45.5
 RRT -.2332 RRF .9959 RTF -.1441
 SGB 2924.1 R23 -.1005 R13 .9949
 SG1 2867.5 SG2 573.0 TMA 92.86

ORBIT DETERMINATION ACCURACY

ST 483.6 SR 1816.0 SS 976.8
 CRT -.8608 CRS -.9979 CST .8260
 LSA 2102.8 MSA 253.4 SSA .4
 EL1 1864.0 EL2 239.8 ALF 103.13

LAUNCH DATE JAN 3 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 371.688

RL 147.10 LAL .00 LOL 102.17 VL 28.080 GAL -10.02 AZL 54.58 MCA 182.76 SMA 130.63 ECC .21370 INC35.4242 V1 30.287
 RP 108.87 LAP -1.60 LOP 284.42 VP 37.712 GAP 7.80 AZP 125.39 TAL 224.47 TAP 47.23 RCA 102.71 APO 158.55 V2 34.809
 RC 135.553 GL 60.24 GP -73.37 ZAL 105.34 ZAP 103.88 ETS 224.34 ZAE 82.87 ETE 151.40 ZAC 88.07 ETC 64.96 CLP 146.94

PLANETOCENTRIC CONIC

C3 340.862 VML 18.462 DLA 46.79 RAL 312.93 RAD 6571.9 VEL 21.498 PTH 3.21 VMP 20.892 DPA -78.18 RAP 135.60 ECC 6.6097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.06 15 24 22 4850.75 -3.65 225.34 219.50 43.32 16 45 12 4250.7 -9.45 220.21
 128.94 23 19 39 3399.92 -3.64 112.24 219.49 43.32 24 16 19 2799.9 -9.43 107.10
 51.06 15 24 22 4850.75 -3.65 225.34 219.50 43.32 16 45 12 4250.7 -9.45 220.21
 128.94 23 19 39 3399.92 -3.64 112.24 219.49 43.32 24 16 19 2799.9 -9.43 107.10
 51.06 15 24 22 4850.75 -3.65 225.34 219.50 43.32 16 45 12 4250.7 -9.45 220.21
 128.94 23 19 39 3399.92 -3.64 112.24 219.49 43.32 24 16 19 2799.9 -9.43 107.10

DIFFERENTIAL CORRECTIONS

TDE 4.4552 TRA -1.0354 TC3 -.0146 BAU .3085
 RDE -6.7600 RRA 4.5185 RC3 -.0661 FAU .00068
 FDE 1.6265 FRA -.6941 FC3 -.0017 BSP 10264
 BDE 8.0961 BRA 4.6356 BC3 .0677 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 1461.1 SGR 2941.9 SG3 51.4
 RRT -.8953 RRF -.9724 RTF .9733
 SGB 3284.8 R23 -.1473 R13 -.9885
 SG1 3230.9 SG2 592.6 TMA 114.87

ORBIT DETERMINATION ACCURACY

ST 1389.8 SR 2186.0 SS 926.9
 CRT -.9832 CRS .9950 CST -.9965
 LSA 2742.5 MSA 218.7 SSA 1.1
 EL1 2581.5 EL2 214.7 ALF 122.26

LAUNCH DATE JAN 3 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 377.229

RL 147.10 LAL .00 LOL 102.17 VL 27.997 GAL -9.66 AZL 71.95 MCA 185.69 SMA 130.03 ECC .21183 INC18.0546 V1 30.287
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.645 GAP 7.91 AZP 107.97 TAL 222.70 TAP 48.39 RCA 102.49 APO 157.58 V2 34.804
 RC 137.863 GL 54.08 GP -61.68 ZAL 116.39 ZAP 117.49 ETS 279.51 ZAE 101.56 ETE 201.23 ZAC 80.92 ETC 119.26 CLP-166.70

PLANETOCENTRIC CONIC

C3 111.581 VML 10.563 DLA 37.03 RAL 305.90 RAD 6570.1 VEL 15.262 PTH 2.74 VMP 11.011 DPA -78.90 RAP 358.67 ECC 2.8363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.07 15 56 52 4508.36 -10.12 201.35 202.23 54.19 17 12 0 3908.4 -14.72 199.07
 114.93 21 51 5 3391.46 -10.10 117.21 202.22 54.18 22 47 36 2791.5 -14.71 110.93
 65.07 15 56 52 4508.36 -10.12 201.35 202.23 54.19 17 12 0 3908.4 -14.72 199.07
 114.93 21 51 5 3391.46 -10.10 117.21 202.22 54.18 22 47 36 2791.5 -14.71 110.93
 65.07 15 56 52 4508.36 -10.12 201.35 202.23 54.19 17 12 0 3908.4 -14.72 199.07
 114.93 21 51 5 3391.46 -10.10 117.21 202.22 54.18 22 47 36 2791.5 -14.71 110.93

DIFFERENTIAL CORRECTIONS

TDE 3.8107 TRA -3.6589 TC3 -.4164 BAU .6219
 RDE -.3547 RRA 1.2034 RC3 .0197 FAU .02179
 FDE 1.2067 FRA -.6706 FC3 -.1691 BSP 10762
 BDE 3.8272 BRA 3.8517 BC3 .4169 FSP -253

MID-COURSE EXECUTION ACCURACY

SGT 3350.5 SGR 841.0 SG3 75.5
 RRT -.8754 RRF -.6984 RTF .9562
 SGB 3454.5 R23 -.3115 R13 -.9485
 SG1 3431.6 SG2 396.9 TMA 167.44

ORBIT DETERMINATION ACCURACY

ST 2197.5 SR 311.7 SS 636.2
 CRT -.8475 CRS .7649 CST -.9902
 LSA 2301.3 MSA 187.8 SSA 1.4
 EL1 2213.4 EL2 164.3 ALF 173.11

LAUNCH DATE JAN 3 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 382.925

RL 147.10 LAL .00 LOL 102.17 VL 27.915 GAL -9.32 AZL 77.34 MCA 188.76 SMA 129.45 ECC .21057 INC12.6605 V1 30.287
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.579 GAP 8.05 AZP 102.52 TAL 220.98 TAP 49.76 RCA 102.19 APO 156.71 V2 34.799
 RC 140.164 GL 46.83 GP -48.73 ZAL 123.10 ZAP 128.33 ETS 292.55 ZAE 111.66 ETE 206.95 ZAC 74.63 ETC 132.43 CLP-160.09

PLANETOCENTRIC CONIC

C3 68.525 VML 8.278 DLA 29.43 RAL 306.48 RAD 6569.3 VEL 13.780 PTH 2.52 VMP 8.355 DPA -65.80 RAP 340.33 ECC 2.1278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.65 17 47 47 4052.76 -11.69 168.17 194.99 62.80 18 55 30 3462.8 -15.24 161.22
 98.35 20 4 51 3620.00 -11.67 135.65 194.98 62.80 21 5 11 3020.0 -15.23 128.70
 100.00 21 2 0 3436.96 -16.18 124.39 197.28 64.52 21 59 17 2837.0 -19.48 117.15
 100.00 19 33 18 3721.03 -7.25 140.74 192.58 60.92 20 35 19 3121.0 -11.07 134.04
 110.00 23 40 55 2939.08 -26.79 91.64 202.30 67.93 24 29 54 2339.1 -29.54 83.53
 110.00 19 10 53 3791.68 2.63 140.00 186.52 55.91 20 14 4 3191.7 -1.86 133.79

DIFFERENTIAL CORRECTIONS

TDE 2.6030 TRA -3.3649 TC3 -.8609 BAU .7891
 RDE .1674 RRA .4906 RC3 -.0268 FAU .03370
 FDE 1.1396 FRA -.6293 FC3 -.4258 BSP 11010
 BDE 2.6084 BRA 3.4005 BC3 .8613 FSP -335

MID-COURSE EXECUTION ACCURACY

SGT 3525.3 SGR 409.1 SG3 101.1
 RRT -.5343 RRF -.1511 RTF .9123
 SGB 3548.9 R23 -.4034 R13 -.9098
 SG1 3532.1 SG2 345.1 TMA 176.42

ORBIT DETERMINATION ACCURACY

ST 1972.6 SR 164.6 SS 579.8
 CRT .3540 CRS -.5586 CST -.9735
 LSA 2053.0 MSA 199.1 SSA 2.2
 EL1 1973.5 EL2 153.9 ALF 1.70

LAUNCH DATE JAN 3 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.834 GAL -8.99 AZL 79.93 HCA 191.91 SMA 128.88 ECC .20954 INC10.0745 V1 30.287
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.515 GAP 8.21 AZP 99.86 TAL 219.24 TAP 51.15 RCA 101.88 APO 155.89 V2 34.795
 RC 142.456 GL 41.63 GP -39.27 ZAL 126.92 ZAP 136.22 ETS 299.07 ZAE 117.75 ETE 205.74 ZAC 70.75 ETC 139.18 CLP-158.84

PLANETOCENTRIC CONIC
 C3 52.403 VHL 7.239 OLA 24.40 RAL 308.05 RAD 6568.9 VEL 13.182 PTH 2.41 VHP 7.322 DPA -56.04 RAP 336.15 ECC 1.8624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 12 48 3343.91 -23.77 120.64 195.86 74.15 22 8 32 2743.9 -25.72 112.52
 90.00 16 52 20 4208.34 .31 172.45 185.98 61.68 18 2 29 3608.3 -3.48 165.81
 100.00 22 55 3 3014.29 -26.31 97.16 196.62 75.27 23 45 17 2414.3 -28.07 88.80
 100.00 17 52 47 4013.19 2.60 156.83 184.70 60.21 18 59 41 3413.2 -1.38 150.31
 110.00 0 47 55 2673.47 -32.18 72.88 198.24 77.80 1 32 28 2073.5 -33.53 63.91
 110.00 18 20 21 3926.78 7.75 147.11 181.53 56.60 19 25 47 3326.8 3.30 140.84

DIFFERENTIAL CORRECTIONS
 TOE 2.0353 TRA-3.1284 TC3-1.2295 BAU .8618
 ROE .2123 RRA .3031 RC3 -.0393 FAU .04105
 FDE 1.0756 FRA -.5701 FC3 -.6782 BSP 11363
 BDE 2.0463 BRA 3.1431 BC3 1.2301 FSP -394

MID-COURSE EXECUTION ACCURACY
 SGT 3627.2 SGR 317.6 SG3 120.2
 RRT -.2990 RRF .1547 RTF .8854
 SGB 3641.1 R23 -.4415 R13 -.8844
 SG1 3628.5 SG2 303.0 THA 178.49

ORBIT DETERMINATION ACCURACY
 ST 1806.5 SR 185.7 SS 547.0
 CRT .6149 CRS -.8180 CST -.9566
 LSA 1884.9 MSA 209.7 SSA 3.3
 EL1 1810.1 EL2 146.1 ALF 3.64

LAUNCH DATE JAN 3 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.754 GAL -8.66 AZL 81.44 HCA 195.05 SMA 128.33 ECC .20868 INC 8.5552 V1 30.287
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.453 GAP 8.36 AZP 98.27 TAL 217.50 TAP 52.55 RCA 101.55 APO 155.11 V2 34.791
 RC 144.737 GL 37.95 GP -32.46 ZAL 128.99 ZAP 141.92 ETS 303.76 ZAE 121.54 ETE 203.26 ZAC 68.76 ETC 144.00 CLP-158.89

PLANETOCENTRIC CONIC
 C3 44.047 VHL 6.637 OLA 21.06 RAL 309.79 RAD 6568.7 VEL 12.861 PTH 2.34 VHP 6.848 DPA -48.81 RAP 335.04 ECC 1.7249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 6 31 3134.31 -26.89 106.10 193.90 80.78 22 58 45 2534.3 -27.89 97.58
 90.00 16 12 30 4331.07 4.26 179.30 183.36 61.98 17 24 41 3731.1 .48 172.66
 100.00 23 42 3 2826.23 -28.86 83.78 194.24 81.85 24 29 9 2226.2 -29.69 75.07
 100.00 17 19 39 4114.37 6.00 162.42 182.40 60.66 18 28 13 3514.4 2.05 155.86
 110.00 1 24 14 2518.88 -33.80 61.12 194.93 84.57 2 6 12 1918.9 -34.18 51.90
 110.00 17 57 54 3994.49 10.27 150.74 179.81 57.21 19 4 28 3394.5 5.87 144.40

DIFFERENTIAL CORRECTIONS
 TOE 1.7161 TRA-2.9992 TC3-1.5406 BAU .9074
 ROE .2037 RRA .2252 RC3 -.0300 FAU .04513
 FDE 1.0038 FRA -.5029 FC3 -.8871 BSP 11714
 BDE 1.7284 BRA 2.9677 BC3 1.5409 FSP -433

MID-COURSE EXECUTION ACCURACY
 SGT 3724.4 SGR 276.6 SG3 132.6
 RRT -.2189 RRF .2450 RTF .8690
 SGB 3734.6 R23 -.4471 R13 -.8684
 SG1 3724.9 SG2 269.9 THA 179.06

ORBIT DETERMINATION ACCURACY
 ST 1695.0 SR 188.3 SS 519.8
 CRT .6639 CRS -.8781 CST -.9406
 LSA 1769.5 MSA 217.8 SSA 4.6
 EL1 1699.7 EL2 140.4 ALF 4.25

LAUNCH DATE JAN 3 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.676 GAL -8.31 AZL 82.45 HCA 198.20 SMA 127.79 ECC .20798 INC 7.5515 V1 30.287
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.392 GAP 8.52 AZP 97.18 TAL 215.74 TAP 53.94 RCA 101.21 APO 154.37 V2 34.788
 RC 147.008 GL 35.28 GP -27.45 ZAL 129.95 ZAP 146.17 ETS 307.50 ZAE 123.97 ETE 200.76 ZAC 68.02 ETC 147.76 CLP-159.40

PLANETOCENTRIC CONIC
 C3 38.817 VHL 6.230 OLA 18.81 RAL 311.57 RAD 6568.5 VEL 12.656 PTH 2.30 VHP 6.615 DPA -43.30 RAP 335.17 ECC 1.6388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 9 3007.95 -27.94 97.01 192.47 85.22 23 29 17 2408.0 -28.31 88.36
 90.00 15 54 0 4393.65 6.25 182.82 182.51 62.33 17 7 14 3793.7 2.49 176.16
 100.00 0 15 53 2708.69 -29.69 75.14 192.61 86.32 1 1 2 2108.7 -29.88 66.34
 100.00 17 3 53 4168.14 7.79 165.41 181.67 61.05 18 13 22 3568.1 3.87 158.82
 110.00 1 49 1 2417.32 -34.18 53.22 192.82 89.24 2 29 18 1817.3 -33.90 43.98
 110.00 17 47 15 4032.28 11.65 152.79 179.35 57.63 18 54 27 3432.3 7.30 146.40

DIFFERENTIAL CORRECTIONS
 TOE 1.5179 TRA-2.8240 TC3-1.8142 BAU .8415
 ROE .1971 RRA .1811 RC3 -.0115 FAU .04709
 FDE .9360 FRA -.4340 FC3-1.0503 BSP 12027
 BDE 1.5307 BRA 2.8298 BC3 1.8142 FSP -457

MID-COURSE EXECUTION ACCURACY
 SGT 3819.2 SGR 253.0 SG3 140.2
 RRT -.2041 RRF .2452 RTF .8582
 SGB 3827.6 R23 -.4301 R13 -.8578
 SG1 3819.5 SG2 247.7 THA 179.22

ORBIT DETERMINATION ACCURACY
 ST 1621.9 SR 188.8 SS 497.7
 CRT .6846 CRS -.9085 CST -.9262
 LSA 1692.3 MSA 224.1 SSA 5.9
 EL1 1627.1 EL2 137.2 ALF 4.59

LAUNCH DATE JAN 3 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.598 GAL -7.97 AZL 83.16 HCA 201.36 SMA 127.27 ECC .20741 INC 6.8358 V1 30.287
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.333 GAP 8.67 AZP 96.37 TAL 213.97 TAP 55.32 RCA 100.87 APO 153.66 V2 34.786
 RC 149.266 GL 33.29 GP -23.67 ZAL 130.18 ZAP 149.44 ETS 310.55 ZAE 125.59 ETE 198.53 ZAC 68.13 ETC 150.79 CLP-160.10

PLANETOCENTRIC CONIC
 C3 35.124 VHL 5.927 OLA 17.29 RAL 313.36 RAD 6568.4 VEL 12.510 PTH 2.26 VHP 6.502 DPA -38.95 RAP 335.95 ECC 1.5781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 1 57 2923.55 -28.27 90.86 191.68 88.29 23 50 40 2323.5 -28.21 82.19
 90.00 15 45 31 4427.53 7.32 184.74 182.44 62.57 16 59 19 3827.5 3.58 178.05
 100.00 0 37 13 2629.02 -29.89 69.23 191.71 89.43 1 21 2 2029.0 -29.65 60.43
 100.00 16 56 52 4197.29 8.74 167.05 181.67 61.30 18 6 50 3597.3 4.85 160.43
 110.00 2 7 26 2346.76 -34.10 47.71 191.63 92.50 2 46 32 1746.8 -33.38 38.54
 110.00 17 43 9 4052.32 12.38 153.88 179.50 57.88 18 50 41 3452.3 8.05 147.46

DIFFERENTIAL CORRECTIONS
 TOE 1.3884 TRA-2.7055 TC3-2.0646 BAU .9695
 ROE .1929 RRA .1508 RC3 .0106 FAU .04762
 FDE .8784 FRA -.3650 FC3-1.1738 BSP 12294
 BDE 1.4017 BRA 2.7097 BC3 2.0646 FSP -466

MID-COURSE EXECUTION ACCURACY
 SGT 3910.8 SGR 241.3 SG3 144.4
 RRT -.2106 RRF .2094 RTF .8501
 SGB 3918.3 R23 -.3980 R13 -.8498
 SG1 3911.2 SG2 235.9 THA 179.25

ORBIT DETERMINATION ACCURACY
 ST 1575.6 SR 192.0 SS 481.7
 CRT .7028 CRS -.9309 CST -.9135
 LSA 1642.7 MSA 230.0 SSA 7.1
 EL1 1581.4 EL2 136.1 ALF 4.93

LAUNCH DATE JAN 3 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.522 GAL -7.61 AZL 83.70 MCA 204.51 SMA 126.76 ECC .20699 INC 6.2970 V1 30.287
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.275 GAP 8.83 AZP 95.73 TAL 212.18 TAP 56.69 RCA 100.52 APO 152.99 V2 34.785
 RC 151.511 GL 31.77 GP -20.75 ZAL 129.88 ZAP 152.07 ETS 313.08 ZAE 126.71 ETE 196.63 ZAC 68.80 ETC 153.30 CLP-160.87

PLANETOCENTRIC CONIC
 C3 32.297 VHL 5.683 DLA 16.29 RAL 315.18 RAD 6568.3 VEL 12.396 PTH 2.24 VHP 6.454 DPA -35.41 RAP 337.11 ECC 1.5315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 19 1 2864.80 -28.31 86.56 191.41 90.44 24 6 46 2264.8 -27.95 77.91
 90.00 15 42 59 4443.96 7.83 185.68 182.81 62.70 16 57 3 3844.0 4.11 178.97
 100.00 0 53 26 2573.04 -29.85 65.07 191.58 91.62 1 36 19 1973.0 -29.31 56.30
 100.00 16 55 12 4210.95 9.19 167.82 182.08 61.43 18 5 23 3610.9 5.30 161.18
 110.00 2 21 53 2296.25 -33.88 43.78 191.12 94.81 3 0 10 1696.2 -32.85 34.70
 110.00 17 43 13 4060.50 12.68 154.33 180.00 57.99 18 50 54 3460.5 8.36 147.90

DIFFERENTIAL CORRECTIONS
 TOE 1.2992 TRA-2.5976 TC3-2.3056 BAU .9956 SGT 4003.4 SGR 237.6 SG3 146.8 ST 1546.5 SR 197.6 SS 469.0
 ROE .1919 RRA .1264 RC3 .0326 FAU .04746 RRT -.2165 RRF .1632 RTF .8446 CRT .7225 CRS -.9488 CST -.9028
 FOE .8278 FRA -.3013 FC3-1.2722 BSP 12600 SGB 4010.4 R23 -.3551 R13 -.8444 LSA 1611.1 MSA 234.4 SSA 8.4
 BOE 1.3133 BRA 2.6007 BC3 2.3058 FSP -473 SG1 4003.7 SG2 231.9 THA 179.26 EL1 1553.1 EL2 136.0 ALF 5.31

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 3 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.447 GAL -7.25 AZL 84.13 MCA 207.67 SMA 126.26 ECC .20672 INC 5.8744 V1 30.287
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.219 GAP 8.98 AZP 95.21 TAL 210.38 TAP 58.04 RCA 100.16 APO 152.36 V2 34.784
 RC 153.743 GL 30.58 GP -18.44 ZAL 129.20 ZAP 154.24 ETS 315.15 ZAE 127.52 ETE 195.03 ZAC 69.86 ETC 155.39 CLP-161.69

PLANETOCENTRIC CONIC
 C3 30.011 VHL 5.478 DLA 15.66 RAL 317.05 RAD 6568.2 VEL 12.304 PTH 2.22 VHP 6.447 DPA -32.43 RAP 338.52 ECC 1.4939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 32 24 2823.42 -28.25 83.53 191.57 91.96 24 19 28 2223.4 -27.68 74.91
 90.00 15 44 30 4448.44 7.97 185.93 183.46 62.74 16 58 38 3848.4 4.25 179.22
 100.00 1 6 18 2533.27 -29.74 62.12 191.49 93.17 1 48 32 1933.3 -28.98 53.39
 100.00 16 57 13 4213.82 9.28 167.98 182.76 61.46 18 7 27 3613.8 5.40 161.34
 110.00 2 53 44 2259.72 -33.64 40.96 191.11 96.46 3 11 24 1659.7 -32.38 31.95
 110.00 17 46 16 4060.14 12.66 154.31 180.75 57.98 18 53 56 3460.1 8.34 147.88

DIFFERENTIAL CORRECTIONS
 TOE 1.2363 TRA-2.4952 TC3-2.5447 BAU 1.0212 SGT 4097.7 SGR 239.4 SG3 148.1 ST 1529.7 SR 205.0 SS 458.9
 ROE .1933 RRA .1051 RC3 .0534 FAU .04692 RRT -.2154 RRF .1182 RTF .8412 CRT .7441 CRS -.9633 CST -.8942
 FOE .7830 FRA -.2433 FC3-1.3534 BSP 12967 SGB 4104.7 R23 -.3073 R13 -.8410 LSA 1592.5 MSA 237.5 SSA 9.7
 BOE 1.2513 BRA 2.4974 BC3 2.5453 FSP -481 SG1 4098.0 SG2 233.8 THA 179.28 EL1 1537.4 EL2 136.3 ALF 5.74

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 3 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.373 GAL -6.88 AZL 84.47 MCA 210.82 SMA 125.77 ECC .20659 INC 5.5322 V1 30.287
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.165 GAP 9.14 AZP 94.75 TAL 208.56 TAP 59.38 RCA 99.79 APO 151.76 V2 34.784
 RC 153.962 GL 29.62 GP -16.58 ZAL 128.20 ZAP 156.08 ETS 316.85 ZAE 128.13 ETE 193.68 ZAC 71.20 ETC 157.16 CLP-162.51

PLANETOCENTRIC CONIC
 C3 28.093 VHL 5.300 DLA 15.32 RAL 318.97 RAD 6568.1 VEL 12.226 PTH 2.20 VHP 6.465 DPA -29.86 RAP 340.10 ECC 1.4623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 43 14 2794.66 -28.17 81.43 192.06 93.01 24 29 48 2194.7 -27.46 72.84
 90.00 15 49 1 4444.16 7.84 185.69 184.33 62.70 17 3 6 3844.2 4.12 178.98
 100.00 1 16 52 2505.34 -29.62 60.05 191.96 94.25 1 58 38 1905.3 -28.71 51.36
 100.00 17 2 0 4208.70 9.12 167.69 183.65 61.41 18 12 9 3608.7 5.23 161.06
 110.00 2 43 46 2233.49 -33.42 38.94 191.50 97.64 3 20 59 1633.5 -32.00 30.00
 110.00 17 51 36 4053.33 12.42 153.94 181.68 57.89 18 59 9 3453.3 8.09 147.52

DIFFERENTIAL CORRECTIONS
 TOE 1.1820 TRA-2.4051 TC3-2.8008 BAU 1.0523 SGT 4208.9 SGR 243.7 SG3 149.6 ST 1514.8 SR 213.1 SS 445.5
 ROE .1953 RRA .0850 RC3 .0714 FAU .04661 RRT -.2065 RRF .0730 RTF .8425 CRT .7636 CRS -.9738 CST -.8876
 FOE .7339 FRA -.2005 FC3-1.4364 BSP 13637 SGB 4215.9 R23 -.2530 R13 -.8423 LSA 1575.4 MSA 237.7 SSA 11.1
 BOE 1.1980 BRA 2.4066 BC3 2.8018 FSP -510 SG1 4209.2 SG2 238.4 THA 179.31 EL1 1523.6 EL2 136.8 ALF 6.18

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 3 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 27.300 GAL -6.50 AZL 84.75 MCA 213.98 SMA 125.30 ECC .20661 INC 5.2480 V1 30.287
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.112 GAP 9.29 AZP 94.36 TAL 206.73 TAP 60.71 RCA 99.41 APO 151.19 V2 34.785
 RC 158.168 GL 28.85 GP -15.05 ZAL 126.93 ZAP 157.69 ETS 318.23 ZAE 128.60 ETE 192.54 ZAC 72.74 ETC 158.67 CLP-163.33

PLANETOCENTRIC CONIC
 C3 26.437 VHL 5.142 DLA 15.22 RAL 320.97 RAD 6568.1 VEL 12.158 PTH 2.18 VHP 6.501 DPA -27.59 RAP 341.80 ECC 1.4351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 52 11 2775.73 -28.09 80.06 192.85 93.69 24 38 27 2175.7 -27.29 71.48
 90.00 15 56 1 4432.87 7.48 185.04 185.40 62.61 17 9 54 3832.9 3.75 178.35
 100.00 1 25 45 2486.68 -29.51 58.67 192.73 94.97 2 7 12 1886.7 -28.51 50.01
 100.00 17 9 4 4197.15 8.74 167.04 184.72 61.30 18 19 1 3597.2 4.84 160.42
 110.00 2 52 28 2215.34 -33.25 37.55 192.21 98.44 3 29 23 1615.3 -31.72 28.66
 110.00 17 58 51 4041.25 11.98 153.28 182.78 57.74 19 6 12 3441.2 7.64 146.87

DIFFERENTIAL CORRECTIONS
 TOE 1.1893 TRA-2.2671 TC3-2.9933 BAU 1.0584 SGT 4252.8 SGR 256.7 SG3 147.0 ST 1543.4 SR 225.5 SS 457.8
 ROE .2012 RRA .0697 RC3 .0930 FAU .04419 RRT -.1905 RRF .0662 RTF .8316 CRT .7985 CRS -.9853 CST -.8853
 FOE .7294 FRA -.1186 FC3-1.4471 BSP 13217 SGB 4260.5 R23 -.2294 R13 -.8315 LSA 1607.3 MSA 242.4 SSA 12.0
 BOE 1.2062 BRA 2.2682 BC3 2.9947 FSP -454 SG1 4253.0 SG2 252.0 THA 179.34 EL1 1553.9 EL2 134.9 ALF 6.71

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 3 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 434.412

RL 147.10 LAL .00 LOL 102.17 VL 27.229 GAL -6.11 AZL 84.99 MCA 217.14 SMA 124.84 ECC .20680 INC 5.0067 V1 30.287
 RP 108.94 LAP -3.02 LOP 319.20 VP 37.061 GAP 9.45 AZP 93.99 TAL 204.89 TAP 62.03 RCA 99.02 APO 150.66 V2 34.787
 RC 160.359 GL 28.21 GP -13.77 ZAL 125.44 ZAP 159.12 ETS 319.32 ZAE 128.98 ETE 191.58 ZAC 74.44 ETC 159.98 CLP-164.15

PLANETOCENTRIC CONIC

C3 24.990 VML 4.999 OLA 15.29 RAL 323.05 RAD 6568.0 VEL 12.098 PTH 2.17 VMP 6.551 DPA -25.53 RAP 343.59 ECC 1.4113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 3 42 2764.62 -28.04 79.25 193.90 94.10 0 49 47 2164.6 -27.18 70.69
 90.00 16 5 2 4416.18 6.96 184.10 186.64 62.48 17 18 38 3816.2 3.22 177.41
 100.00 1 33 23 2475.37 -29.45 57.84 193.76 95.40 2 14 39 1875.4 -28.39 49.19
 100.00 17 18 2 4180.64 8.20 166.11 185.97 61.15 18 27 43 3580.6 4.29 159.51
 110.00 3 0 14 2203.68 -33.13 36.66 193.22 98.96 3 36 57 1603.7 -31.54 27.80
 110.00 18 7 41 4025.12 11.39 152.40 184.05 57.55 19 14 46 3425.1 7.03 146.02

DIFFERENTIAL CORRECTIONS

TOE 1.1750 TRA-2.1599 TC3-3.2381 BAU 1.0824
 ROE .2052 RRA .0528 RC3 .1089 FAU .04314
 FOE .6993 FRA -.0719 FC3-1.4945 BSP 13642
 BOE 1.1928 BRA 2.1606 BC3 3.2400 FSP -463

MID-COURSE EXECUTION ACCURACY

SGT 4345.3 SGR 266.7 SG3 146.7
 RRT -.1700 RRF .0451 RTF .8318
 SGB 4353.5 R23 -.1897 R13 -.8316
 SG1 4345.6 SG2 262.8 THA 179.40

ORBIT DETERMINATION ACCURACY

ST 1554.3 SR 236.0 SS 454.6
 CRT .8232 CRS -.9913 CST -.8839
 LSA 1618.6 MSA 241.1 SSA 15.2
 EL1 1566.5 EL2 132.9 ALF 7.18

LAUNCH DATE JAN 3 1966

FLIGHT TIME 146.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 440.107

RL 147.10 LAL .00 LOL 102.17 VL 27.158 GAL -5.72 AZL 85.20 MCA 220.30 SMA 124.39 ECC .20715 INC 4.7982 V1 30.287
 RP 108.93 LAP -3.10 LOP 322.37 VP 37.011 GAP 9.61 AZP 93.66 TAL 203.04 TAP 63.33 RCA 98.62 APO 150.16 V2 34.789
 RC 162.536 GL 27.66 GP -12.70 ZAL 125.74 ZAP 160.41 ETS 320.17 ZAE 129.30 ETE 190.76 ZAC 76.27 ETC 161.13 CLP-164.96

PLANETOCENTRIC CONIC

C3 23.710 VML 4.869 OLA 15.53 RAL 325.23 RAD 6568.0 VEL 12.045 PTH 2.15 VMP 6.610 DPA -23.65 RAP 345.45 ECC 1.3902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 10 13 2760.18 -28.02 78.92 195.19 94.26 0 56 13 2160.2 -27.14 70.37
 90.00 16 15 54 4394.80 6.28 182.89 188.07 62.33 17 29 9 3794.8 2.53 176.22
 100.00 1 40 5 2470.36 -29.41 57.47 195.05 95.59 2 21 15 1870.4 -28.33 48.83
 100.00 17 28 43 4159.85 7.51 164.95 187.40 60.98 18 38 3 3559.8 3.59 158.36
 110.00 3 7 18 2197.47 -33.06 36.19 194.50 99.23 3 43 55 1597.5 -31.43 27.34
 110.00 18 17 59 4005.50 10.67 151.33 185.49 57.33 19 24 45 3405.5 6.29 144.98

DIFFERENTIAL CORRECTIONS

TOE 1.1783 TRA-2.0410 TC3-3.4757 BAU 1.1024
 ROE .2098 RRA .0374 RC3 .1239 FAU .04175
 FOE .6783 FRA -.0217 FC3-1.5243 BSP 13909
 BOE 1.1968 BRA 2.0413 BC3 3.4779 FSP -460

MID-COURSE EXECUTION ACCURACY

SGT 4426.3 SGR 278.5 SG3 145.6
 RRT -.1459 RRF .0356 RTF .8306
 SGB 4435.0 R23 -.1590 R13 -.8305
 SG1 4426.5 SG2 275.5 THA 179.47

ORBIT DETERMINATION ACCURACY

ST 1578.5 SR 247.2 SS 456.6
 CRT .8497 CRS -.9954 CST -.8852
 LSA 1644.4 MSA 238.9 SSA 14.4
 EL1 1592.5 EL2 129.2 ALF 7.63

LAUNCH DATE JAN 3 1966

FLIGHT TIME 148.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 445.795

RL 147.10 LAL .00 LOL 102.17 VL 27.089 GAL -5.31 AZL 85.38 MCA 223.46 SMA 123.96 ECC .20767 INC 4.6152 V1 30.287
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.963 GAP 9.78 AZP 93.35 TAL 201.17 TAP 64.63 RCA 98.21 APO 149.70 V2 34.792
 RC 164.699 GL 27.18 GP -11.79 ZAL 121.85 ZAP 161.59 ETS 320.79 ZAE 129.57 ETE 190.06 ZAC 78.19 ETC 162.13 CLP-165.75

PLANETOCENTRIC CONIC

C3 22.574 VML 4.751 OLA 15.90 RAL 327.51 RAD 6567.9 VEL 11.998 PTH 2.14 VMP 6.678 DPA -21.90 RAP 347.37 ECC 1.3715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 15 53 2761.57 -28.03 79.02 196.71 94.21 1 1 54 2161.6 -27.15 70.47
 90.00 16 28 28 4369.46 5.48 181.46 189.68 62.18 17 41 17 3769.5 1.72 174.81
 100.00 1 46 2 2470.83 -29.42 57.50 196.58 95.57 2 27 13 1870.8 -28.33 48.87
 100.00 17 40 59 4135.44 6.70 163.59 189.01 60.80 18 49 55 3535.4 2.76 157.02
 110.00 3 13 51 2196.07 -33.05 36.08 196.03 99.29 3 50 27 1596.1 -31.41 27.24
 110.00 18 29 40 3982.96 9.84 150.11 187.10 57.10 19 36 3 3383.0 5.44 143.79

DIFFERENTIAL CORRECTIONS

TOE 1.1910 TRA-1.9160 TC3-3.7154 BAU 1.1220
 ROE .2143 RRA .0228 RC3 .1370 FAU .04032
 FOE .6601 FRA .0260 FC3-1.5464 BSP 14183
 BOE 1.2102 BRA 1.9161 BC3 3.7179 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 4505.4 SGR 290.8 SG3 144.4
 RRT -.1199 RRF .0315 RTF .8303
 SGB 4514.8 R23 -.1324 R13 -.8302
 SG1 4505.6 SG2 288.7 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 1610.5 SR 258.6 SS 460.0
 CRT .8755 CRS -.9973 CST -.8886
 LSA 1678.3 MSA 234.9 SSA 15.5
 EL1 1626.4 EL2 123.8 ALF 8.05

LAUNCH DATE JAN 3 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 451.475

RL 147.10 LAL .00 LOL 102.17 VL 27.021 GAL -4.90 AZL 85.55 MCA 226.62 SMA 123.53 ECC .20837 INC 4.4523 V1 30.287
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.917 GAP 9.94 AZP 93.06 TAL 199.30 TAP 65.92 RCA 97.79 APO 149.27 V2 34.796
 RC 166.847 GL 26.75 GP -11.00 ZAL 119.78 ZAP 162.68 ETS 321.20 ZAE 129.82 ETE 189.46 ZAC 80.19 ETC 163.03 CLP-166.53

PLANETOCENTRIC CONIC

C3 21.565 VML 4.644 OLA 16.38 RAL 329.92 RAD 6567.9 VEL 11.956 PTH 2.13 VMP 6.754 DPA -20.25 RAP 349.33 ECC 1.3549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 20 52 2768.24 -28.06 79.51 198.48 93.96 1 7 0 2168.2 -27.22 70.95
 90.00 16 42 38 4340.67 4.56 179.84 191.50 62.02 17 54 59 3740.7 .79 173.20
 100.00 1 51 25 2476.24 -29.45 57.90 198.35 95.37 2 32 41 1876.2 -28.40 49.26
 100.00 17 54 47 4107.91 5.79 162.06 190.82 60.62 19 3 15 3507.9 1.83 155.51
 110.00 3 20 2 2198.97 -33.08 36.30 197.81 99.16 3 56 41 1599.0 -31.46 27.45
 110.00 18 42 39 3957.94 8.91 148.77 188.91 56.86 19 48 37 3357.9 4.49 142.48

DIFFERENTIAL CORRECTIONS

TOE 1.2130 TRA-1.7834 TC3-3.9547 BAU 1.1410
 ROE .2188 RRA .0091 RC3 .1483 FAU .03887
 FOE .6444 FRA .0724 FC3-1.5603 BSP 14443
 BOE 1.2326 BRA 1.7835 BC3 3.9574 FSP -453

MID-COURSE EXECUTION ACCURACY

SGT 4581.6 SGR 303.3 SG3 143.0
 RRT -.0926 RRF .0321 RTF .8305
 SGB 4591.6 R23 -.1098 R13 -.8304
 SG1 4581.7 SG2 302.0 THA 179.65

ORBIT DETERMINATION ACCURACY

ST 1650.9 SR 270.0 SS 464.9
 CRT .9000 CRS -.9973 CST -.8937
 LSA 1720.9 MSA 229.2 SSA 16.7
 EL1 1668.8 EL2 116.5 ALF 8.42

LAUNCH DATE JAN 3 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 457.147

RL 147.10 LAL .00 LOL 102.17 VL 26.954 GAL -4.47 AZL 85.69 HCA 229.78 SMA 123.12 ECC .20926 INC 4.3055 V1 30.287
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.872 GAP 10.12 AZP 92.78 TAL 197.41 TAP 67.19 RCA 97.35 APO 148.88 V2 34.800
 RC 168.980 GL 26.34 GP -10.32 ZAL 117.52 ZAP 163.69 ETS 321.41 ZAE 130.04 ETE 188.94 ZAC 82.25 ETC 163.82 CLP-167.30

PLANETOCENTRIC CONIC

C3 20.675 VHL 4.547 DLA 16.96 RAL 332.45 RAD 6567.8 VEL 11.919 PTM 2.12 VHP 6.836 DPA -18.68 RAP 351.32 ECC 1.3403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 25 18 2779.82 -28.11 80.35 200.48 93.54 1 11 38 2179.8 -27.32 71.78
 90.00 16 58 24 4308.83 3.55 178.06 193.53 61.89 18 10 12 3708.8 -2.24 171.42
 100.00 1 56 21 2486.24 -29.51 58.64 200.36 94.98 2 37 47 1886.2 -28.51 49.98
 100.00 18 10 2 4077.65 4.77 160.38 192.85 60.46 19 18 0 3477.6 .80 153.85
 110.00 3 25 58 2205.82 -33.15 36.83 199.85 98.86 4 2 44 1605.8 -31.57 27.96
 110.00 18 56 54 3930.83 7.90 147.33 190.92 56.63 20 2 25 3330.8 3.46 141.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2459 TRA-1.6405 TC3-4.1860 BAU 1.1579 SGT 4650.5 SGR 316.0 SG3 141.4 ST 1702.4 SR 281.5 SS 472.5
 ROE .2234 RRA -.0036 RC3 .1579 FAU .03730 RRT -.0642 RRF .0384 RTF .8304 CRT .9230 CRS -.9956 CST -.9004
 FDE .6329 FRA .1192 FC3-1.5618 BSP 14636 SGB 4661.2 R23 -.0921 R13 -.8303 LSA 1775.1 MSA 222.2 SSA 17.8
 BDE 1.2658 BRA 1.6405 BC3 4.1890 FSP -445 SG1 4650.5 SG2 315.4 THA 179.75 EL1 1722.2 EL2 107.1 ALF 8.71

LAUNCH DATE JAN 3 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 462.810

RL 147.10 LAL .00 LOL 102.17 VL 26.888 GAL -4.04 AZL 85.83 HCA 232.94 SMA 122.71 ECC .21034 INC 4.1718 V1 30.287
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.829 GAP 10.29 AZP 92.52 TAL 195.52 TAP 68.46 RCA 96.90 APO 148.53 V2 34.805
 RC 171.096 GL 25.94 GP -9.72 ZAL 115.09 ZAP 164.65 ETS 321.43 ZAE 130.25 ETE 188.48 ZAC 84.37 ETC 164.53 CLP-168.06

PLANETOCENTRIC CONIC

C3 19.897 VHL 4.461 DLA 17.63 RAL 335.12 RAD 6567.8 VEL 11.886 PTM 2.11 VHP 6.925 DPA -17.18 RAP 353.35 ECC 1.3275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 18 2796.04 -28.18 81.54 202.73 92.96 1 15 54 2196.0 -27.47 72.94
 90.00 17 15 41 4274.32 2.44 176.13 195.79 61.78 18 26 56 3674.3 -1.36 169.50
 100.00 2 0 56 2500.53 -29.59 59.69 202.63 94.43 2 42 37 1900.5 -28.66 51.01
 100.00 18 26 44 4045.06 3.68 158.59 195.10 60.31 19 34 9 3445.1 -3.30 152.06
 110.00 3 31 46 2216.33 -33.26 37.63 202.15 98.40 4 8 42 1616.3 -31.74 28.73
 110.00 19 12 23 3902.02 6.82 145.80 193.16 56.42 20 17 25 3302.0 2.36 139.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2828 TRA-1.4927 TC3-4.4179 BAU 1.1760 SGT 4721.9 SGR 328.3 SG3 139.8 ST 1758.8 SR 292.8 SS 479.3
 ROE .2279 RRA -.0155 RC3 .1651 FAU .03583 RRT -.0363 RRF .0451 RTF .8319 CRT .9429 CRS -.9924 CST -.9078
 FDE .6207 FRA .1622 FC3-1.5590 BSP 14900 SGB 4733.3 R23 -.0755 R13 -.8319 LSA 1833.8 MSA 213.6 SSA 18.9
 BDE 1.3029 BRA 1.4928 BC3 4.4209 FSP -442 SG1 4721.9 SG2 328.1 THA 179.85 EL1 1780.4 EL2 96.4 ALF 8.95

LAUNCH DATE JAN 3 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 468.462

RL 147.10 LAL .00 LOL 102.17 VL 26.823 GAL -3.59 AZL 85.95 HCA 236.11 SMA 122.32 ECC .21162 INC 4.0487 V1 30.287
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.787 GAP 10.48 AZP 92.26 TAL 193.62 TAP 69.73 RCA 96.43 APO 148.21 V2 34.811
 RC 173.196 GL 25.53 GP -9.20 ZAL 112.50 ZAP 165.55 ETS 321.25 ZAE 130.45 ETE 188.09 ZAC 86.54 ETC 165.16 CLP-168.81

PLANETOCENTRIC CONIC

C3 19.230 VHL 4.385 DLA 18.37 RAL 337.93 RAD 6567.8 VEL 11.858 PTM 2.10 VHP 7.021 DPA -15.72 RAP 355.40 ECC 1.3165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 32 55 2816.71 -28.24 83.04 205.24 92.20 1 19 51 2216.7 -27.63 74.43
 90.00 17 34 31 4237.45 1.25 174.07 198.30 61.71 18 45 8 3637.5 -2.54 167.44
 100.00 2 5 16 2518.91 -29.68 61.05 205.15 93.72 2 47 15 1918.9 -28.85 52.35
 100.00 18 44 51 4010.49 2.51 156.68 197.59 60.20 19 51 41 3410.5 -1.47 150.16
 110.00 3 37 30 2230.31 -33.39 38.70 204.71 97.78 4 14 41 1630.3 -31.96 29.76
 110.00 19 29 6 3871.86 5.68 144.20 195.63 56.24 20 33 37 3271.9 1.21 137.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3266 TRA-1.3362 TC3-4.6399 BAU 1.1936 SGT 4790.4 SGR 340.3 SG3 138.1 ST 1823.2 SR 303.9 SS 486.5
 ROE .2324 RRA -.0263 RC3 .1700 FAU .03438 RRT -.0084 RRF .0541 RTF .8340 CRT .9598 CRS -.9879 CST -.9158
 FDE .6097 FRA .2042 FC3-1.5477 BSP 15161 SGB 4802.5 R23 -.0611 R13 -.8339 LSA 1900.3 MSA 203.9 SSA 20.1
 BDE 1.3468 BRA 1.3365 BC3 4.6430 FSP -439 SG1 4790.4 SG2 340.2 THA 179.97 EL1 1846.4 EL2 84.2 ALF 9.11

LAUNCH DATE JAN 3 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 474.104

RL 147.10 LAL .00 LOL 102.17 VL 26.760 GAL -3.13 AZL 86.07 HCA 239.27 SMA 121.94 ECC .21313 INC 3.9344 V1 30.287
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.747 GAP 10.67 AZP 92.01 TAL 191.71 TAP 70.98 RCA 95.95 APO 147.93 V2 34.817
 RC 175.278 GL 25.11 GP -8.74 ZAL 109.74 ZAP 166.40 ETS 320.89 ZAE 130.64 ETE 187.75 ZAC 88.74 ETC 165.73 CLP-169.54

PLANETOCENTRIC CONIC

C3 18.671 VHL 4.321 DLA 19.17 RAL 340.89 RAD 6567.8 VEL 11.834 PTM 2.10 VHP 7.123 DPA -14.32 RAP 357.47 ECC 1.3073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 36 13 2841.72 -28.29 84.87 208.00 91.29 1 23 35 2241.7 -27.81 76.24
 90.00 17 54 52 4198.56 -.01 171.90 201.07 61.68 19 4 50 3598.6 -3.79 165.27
 100.00 2 9 24 2541.23 -29.77 62.71 207.94 92.86 2 51 46 1941.2 -29.05 53.97
 100.00 19 4 22 3974.29 1.28 154.70 200.35 60.13 20 10 36 3374.3 -2.70 148.17
 110.00 3 43 17 2247.54 -33.54 40.02 207.55 97.01 4 20 44 1647.5 -32.21 31.04
 110.00 19 46 59 3840.75 4.50 142.57 198.34 56.08 20 50 59 3240.7 .02 136.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3776 TRA-1.1699 TC3-4.8451 BAU 1.2102 SGT 4854.6 SGR 351.8 SG3 136.4 ST 1896.2 SR 315.0 SS 494.7
 ROE .2373 RRA -.0360 RC3 .1726 FAU .03290 RRT -.0195 RRF .0656 RTF .8364 CRT .9737 CRS -.9823 CST -.9240
 FDE .6004 FRA .2456 FC3-1.5257 BSP 15393 SGB 4867.3 R23 .0492 R13 .8364 LSA 1975.2 MSA 193.6 SSA 21.3
 BDE 1.3979 BRA 1.1705 BC3 4.8482 FSP -435 SG1 4854.6 SG2 351.8 THA .08 EL1 1920.9 EL2 70.8 ALF 9.20

LAUNCH DATE JAN 3 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 12 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 26.697 GAL -2.66 AZL 86.17 MCA 242.44 SMA 121.56 ECC .21486 INC 3.8274 V1 30.287
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.708 GAP 10.87 AZP 91.77 TAL 189.80 TAP 72.23 RCA 95.45 APO 147.68 V2 34.824
 RC 177.341 GL 24.64 GP -8.32 ZAL 106.82 ZAP 167.22 ETS 320.31 ZAE 130.83 ETE 187.45 ZAC 90.98 ETC 166.24 CLP-170.27

PLANETOCENTRIC CONIC
 C3 18.225 VHL 4.269 DLA 20.02 RAL 344.02 RAD 6567.7 VEL 11.816 PTH 2.09 VMP 7.233 DPA -12.95 RAP 359.56 ECC 1.2999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 39 16 2870.94 -28.32 87.01 211.02 90.21 1 27 7 2270.9 -27.99 78.36
 90.00 18 16 43 4198.00 -1.32 169.64 204.11 61.71 19 26 1 3558.0 -5.09 162.99
 100.00 2 13 26 2567.30 -29.84 64.64 210.99 91.84 2 56 13 1967.3 -29.27 55.88
 100.00 19 25 14 3936.87 .02 152.64 203.37 60.11 20 30 51 3336.9 -3.96 146.11
 110.00 3 49 9 2267.83 -33.70 41.58 210.67 96.10 4 26 57 1667.8 -32.49 32.56
 110.00 20 6 0 3809.11 3.30 140.91 201.32 55.96 21 9 29 3209.1 -1.19 134.70

DIFFERENTIAL CORRECTIONS
 TDE 1.4362 TRA -.9916 TC3-5.0238 BAU 1.2248 SGT 4911.2 SGR 363.1 SG3 134.4 ORBIT DETERMINATION ACCURACY
 RDE .2426 RRA -.0445 RC3 .1729 FAU .03136 RRT .0472 RRF .0800 RTF .8386 CRT .9844 CRS -.9757 CST -.9321 ST 1978.0 SR 326.1 SS 503.8
 FDE .5929 FRA .2879 FC3-1.4898 BSP 15560 SGB 4924.6 R23 .0402 R13 .8386 LSA 2058.7 MSA 183.2 SSA 22.4
 BDE 1.4565 BRA .9926 BC3 5.0267 FSP -427 SGI 4911.2 SG2 362.6 TMA .20 EL1 2003.9 EL2 56.7 ALF 9.23

LAUNCH DATE JAN 3 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 14 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 26.636 GAL -2.17 AZL 86.27 MCA 245.61 SMA 121.20 ECC .21683 INC 3.7263 V1 30.287
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.671 GAP 11.08 AZP 91.54 TAL 187.88 TAP 73.48 RCA 94.92 APO 147.48 V2 34.832
 RC 179.385 GL 24.14 GP -7.96 ZAL 103.75 ZAP 167.99 ETS 319.52 ZAE 131.01 ETE 187.19 ZAC 93.25 ETC 166.70 CLP-170.98

PLANETOCENTRIC CONIC
 C3 17.894 VHL 4.230 DLA 20.89 RAL 347.29 RAD 6567.7 VEL 11.802 PTH 2.09 VMP 7.349 DPA -11.60 RAP 1.67 ECC 1.2945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 42 7 2904.24 -28.30 89.44 214.31 88.99 1 30 31 2304.2 -28.14 80.78
 90.00 18 40 1 4116.15 -2.67 167.30 207.44 61.80 19 48 38 3516.2 -6.42 160.63
 100.00 2 17 25 2596.94 -29.89 66.84 214.31 90.68 3 0 42 1996.9 -29.47 58.06
 100.00 19 47 24 3898.68 -1.28 150.55 206.67 60.13 20 52 23 3298.7 -5.24 144.01
 110.00 3 55 14 2290.94 -33.85 43.37 214.08 95.05 4 33 24 1690.9 -32.78 34.30
 110.00 20 26 5 3777.45 2.09 139.25 204.57 55.87 21 29 3 3177.4 -2.40 133.05

DIFFERENTIAL CORRECTIONS
 TDE 1.4964 TRA -.8067 TC3-5.1814 BAU 1.2402 SGT 4969.1 SGR 373.5 SG3 132.5 ORBIT DETERMINATION ACCURACY
 RDE .2483 RRA -.0518 RC3 .1704 FAU .02993 RRT .0741 RRF .0940 RTF .8422 CRT .9916 CRS -.9685 CST -.9396 ST 2061.1 SR 337.1 SS 511.1
 FDE .5842 FRA .3275 FC3-1.4478 BSP 15794 SGB 4983.1 R23 .0314 R13 .8422 LSA 2143.0 MSA 173.0 SSA 23.6
 BDE 1.5168 BRA .8084 BC3 5.1842 FSP -424 SGI 4969.2 SG2 372.5 TMA .32 EL1 2088.1 EL2 43.0 ALF 9.22

LAUNCH DATE JAN 3 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 16 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 26.575 GAL -1.66 AZL 86.37 MCA 248.78 SMA 120.85 ECC .21907 INC 3.6301 V1 30.287
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.634 GAP 11.30 AZP 91.32 TAL 185.95 TAP 74.73 RCA 94.37 APO 147.32 V2 34.840
 RC 181.409 GL 23.58 GP -7.63 ZAL 100.55 ZAP 168.73 ETS 318.50 ZAE 131.19 ETE 186.97 ZAC 95.54 ETC 167.11 CLP-171.69

PLANETOCENTRIC CONIC
 C3 17.684 VHL 4.205 DLA 21.78 RAL 350.73 RAD 6567.7 VEL 11.793 PTH 2.09 VMP 7.474 DPA -10.29 RAP 3.79 ECC 1.2910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 48 2941.47 -28.23 92.17 217.86 87.63 1 33 50 2341.5 -28.26 83.50
 90.00 19 4 44 4073.43 -4.04 164.91 211.07 61.95 20 12 38 3473.4 -7.76 158.21
 100.00 2 21 25 2629.91 -29.89 .69.29 217.91 89.39 3 5 15 2029.9 -29.65 60.50
 100.00 20 10 48 3860.22 -2.58 148.44 210.27 60.21 21 15 8 3260.2 -6.53 141.87
 110.00 4 1 34 2316.60 -33.99 45.36 217.77 93.88 4 40 11 1716.6 -33.08 36.24
 110.00 20 47 9 3746.30 .90 137.63 208.09 55.83 21 49 35 3146.3 -3.59 131.42

DIFFERENTIAL CORRECTIONS
 TDE 1.5606 TRA -.6101 TC3-5.3040 BAU 1.2546 SGT 5022.2 SGR 383.4 SG3 130.5 ORBIT DETERMINATION ACCURACY
 RDE .2547 RRA -.0578 RC3 .1654 FAU .02849 RRT .1003 RRF .1093 RTF .8457 CRT .9959 CRS -.9604 CST -.9463 ST 2147.4 SR 348.0 SS 517.8
 FDE .5758 FRA .3679 FC3-1.3947 BSP 15988 SGB 5036.8 R23 .0241 R13 .8458 LSA 2230.0 MSA 163.8 SSA 24.6
 BDE 1.5813 BRA .6129 BC3 5.3066 FSP -419 SGI 5022.4 SG2 381.4 TMA .44 EL1 2175.2 EL2 31.2 ALF 9.17

LAUNCH DATE JAN 3 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 18 1966

MELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 26.516 GAL -1.14 AZL 86.46 MCA 251.95 SMA 120.50 ECC .22158 INC 3.5380 V1 30.287
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.600 GAP 11.53 AZP 91.10 TAL 184.02 TAP 75.97 RCA 93.80 APO 147.20 V2 34.849
 RC 183.413 GL 22.95 GP -7.34 ZAL 97.22 ZAP 169.44 ETS 317.22 ZAE 131.37 ETE 186.77 ZAC 97.85 ETC 167.47 CLP-172.39

PLANETOCENTRIC CONIC
 C3 17.603 VHL 4.196 DLA 22.67 RAL 354.31 RAD 6567.7 VEL 11.789 PTH 2.08 VMP 7.607 DPA -9.00 RAP 5.92 ECC 1.2897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 22 2982.43 -28.07 95.15 221.66 86.14 1 37 5 2382.4 -28.31 86.50
 90.00 19 30 46 4030.33 -5.41 162.49 214.99 62.16 20 37 56 3430.3 -9.10 155.75
 100.00 2 25 32 2665.91 -29.83 71.97 221.76 87.99 3 9 58 2065.9 -29.79 63.16
 100.00 20 35 17 3822.08 -3.87 146.34 214.14 60.34 21 38 59 3222.1 -7.79 139.74
 110.00 4 8 16 2344.48 -34.10 47.53 221.74 92.60 4 47 21 1744.5 -33.36 38.37
 110.00 21 9 2 3716.28 -.25 136.06 211.89 55.82 22 10 58 3116.3 -4.73 129.85

DIFFERENTIAL CORRECTIONS
 TDE 1.6272 TRA -.4041 TC3-5.3874 BAU 1.2684 SGT 5072.7 SGR 392.5 SG3 128.5 ORBIT DETERMINATION ACCURACY
 RDE .2620 RRA -.0624 RC3 .1579 FAU .02708 RRT .1262 RRF .1260 RTF .8502 CRT .9974 CRS -.9521 CST -.9525 ST 2233.5 SR 358.9 SS 523.4
 FDE .5675 FRA .4067 FC3-1.3318 BSP 16188 SGB 5087.8 R23 .0182 R13 .8503 LSA 2316.6 MSA 155.7 SSA 25.4
 BDE 1.6482 BRA .4089 BC3 5.3897 FSP -414 SGI 5072.9 SG2 389.4 TMA .56 EL1 2262.0 EL2 25.5 ALF 9.11

LAUNCH DATE JAN 3 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 502.104

RL 147.10 LAL .00 LOL 102.17 VL 26.458 GAL -.61 AZL 86.55 MCA 255.12 SMA 120.16 ECC .22438 INC 3.4490 V1 30.287
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.566 GAP 11.78 AZP 90.89 TAL 182.09 TAP 77.21 RCA 93.20 APO 147.12 V2 34.858
 RC 185.395 GL 22.26 GP -7.07 ZAL 93.79 ZAP 170.12 ETS 315.64 ZAE 131.55 ETE 186.59 ZAC 100.19 ETC 167.80 CLP-173.08

PLANETOCENTRIC CONIC

C3 17.659 VHL 4.202 DLA 23.53 RAL 358.03 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 7.749 OPA -7.73 RAP 8.07 ECC 1.2906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 52 3026.86 -27.83 98.38 225.70 84.54 1 40 19 2426.9 -28.29 89.75
 90.00 19 57 57 3987.37 -6.77 160.07 219.21 62.44 21 4 25 3387.4 -10.41 153.28
 100.00 2 29 50 2704.55 -29.70 74.83 225.87 86.48 3 14 55 2104.5 -29.88 66.03
 100.00 21 0 40 3784.92 -5.12 144.29 218.30 60.51 22 3 45 3184.9 -9.01 137.66
 110.00 4 15 26 2374.17 -34.16 49.85 225.97 91.23 4 55 0 1774.2 -33.62 40.65
 110.00 21 31 34 3688.06 -1.33 134.59 215.95 55.84 22 33 2 3088.1 -5.80 128.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6965 TRA -.1848 TC3-5.4186 BAU 1.2797
 RDE .2703 RRA -.0656 RC3 .1483 FAU .02562
 FDE .5592 FRA .4467 FC3-1.2561 BSP 16327
 BDE 1.7179 BRA .1961 BC3 5.4206 FSP -409

SGT 5115.2 SGR 401.0 SG3 126.3
 RRT .1518 RRF .1442 RTF .8544
 SGB 5130.9 R23 .0139 R13 .8544
 SGI 5115.6 SG2 396.4 THA .69

ST 2318.6 SR 369.7 SS 528.0
 CRT .9967 CRS -.9432 CST -.9578
 LSA 2401.7 MSA 149.6 SSA 25.8
 EL1 2347.7 EL2 29.8 ALF 9.03

LAUNCH DATE JAN 3 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 507.648

RL 147.10 LAL .00 LOL 102.17 VL 26.400 GAL -.05 AZL 86.64 MCA 258.29 SMA 119.83 ECC .22751 INC 3.3627 V1 30.287
 RP 108.68 LAP -3.29 LOP .44 VP 36.534 GAP 12.04 AZP 90.68 TAL 180.16 TAP 78.46 RCA 92.57 APO 147.10 V2 34.868
 RC 187.337 GL 21.49 GP -6.83 ZAL 90.28 ZAP 170.76 ETS 313.74 ZAE 131.73 ETE 186.44 ZAC 102.53 ETC 168.08 CLP-173.77

PLANETOCENTRIC CONIC

C3 17.864 VHL 4.227 DLA 24.35 RAL 1.88 RAD 6567.7 VEL 11.800 PTH 2.09 VHP 7.901 OPA -6.49 RAP 10.23 ECC 1.2940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 21 3074.45 -27.47 101.82 229.96 82.85 1 43 36 2474.4 -28.18 93.22
 90.00 20 26 8 3945.17 -8.09 157.67 223.70 62.77 21 31 53 3345.2 -11.68 150.83
 100.00 2 34 26 2745.33 -29.50 77.85 230.20 84.91 3 20 11 2145.3 -29.89 69.07
 100.00 21 26 45 3749.52 -6.30 142.32 222.73 60.72 22 29 14 3149.5 -10.16 135.66
 110.00 4 23 8 2405.22 -34.18 52.27 230.46 89.80 5 3 14 1805.2 -33.83 43.05
 110.00 21 54 31 3662.39 -2.31 133.25 220.26 55.89 22 55 34 3062.4 -6.77 127.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7409 TRA .0430 TC3-5.4172 BAU 1.2942
 RDE .2782 RRA -.0675 RC3 .1366 FAU .02426
 FDE .5309 FRA .4831 FC3-1.1756 BSP 16780
 BDE 1.7630 BRA .0800 BC3 5.4189 FSP -426

SGT 5152.0 SGR 407.0 SG3 122.9
 RRT .1692 RRF .1461 RTF .8592
 SGB 5168.0 R23 -.0002 R13 .8592
 SGI 5152.5 SG2 401.1 THA .77

ST 2364.0 SR 378.4 SS 513.3
 CRT .9939 CRS -.9309 CST -.9602
 LSA 2444.0 MSA 145.1 SSA 26.1
 EL1 2393.7 EL2 41.2 ALF 9.04

LAUNCH DATE JAN 3 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 513.168

RL 147.10 LAL .00 LOL 102.17 VL 26.344 GAL .53 AZL 86.72 MCA 261.47 SMA 119.51 ECC .23098 INC 3.2782 V1 30.287
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.503 GAP 12.31 AZP 90.49 TAL 178.23 TAP 79.70 RCA 91.91 APO 147.12 V2 34.878
 RC 189.297 GL 20.66 GP -6.61 ZAL 86.70 ZAP 171.38 ETS 311.46 ZAE 131.90 ETE 186.30 ZAC 104.90 ETC 168.32 CLP-174.45

PLANETOCENTRIC CONIC

C3 18.232 VHL 4.270 DLA 25.11 RAL 5.82 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 8.063 OPA -5.26 RAP 12.41 ECC 1.3001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 54 3124.65 -27.00 105.41 234.40 81.11 1 46 59 2524.6 -27.95 96.88
 90.00 20 55 2 3904.47 -9.35 155.34 228.45 63.15 22 0 6 3304.5 -12.88 148.44
 100.00 2 39 27 2787.58 -29.20 80.95 234.75 83.30 3 25 55 2187.6 -29.82 72.21
 100.00 21 53 10 3716.77 -7.39 140.50 227.39 60.95 22 55 7 3116.8 -11.21 133.79
 110.00 4 31 29 2437.04 -34.15 54.76 235.17 88.32 5 12 7 1837.0 -34.00 45.52
 110.00 22 17 37 3640.08 -3.16 132.09 224.79 55.95 23 18 17 3040.1 -7.61 125.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8262 TRA .2848 TC3-5.3419 BAU 1.3024
 RDE .2901 RRA -.0675 RC3 .1233 FAU .02289
 FDE .5398 FRA .5258 FC3-1.0867 BSP 16668
 BDE 1.8491 BRA .2926 BC3 5.3433 FSP -396

SGT 5195.6 SGR 415.5 SG3 122.0
 RRT .2000 RRF .1818 RTF .8640
 SGB 5212.2 R23 .0081 R13 .8640
 SGI 5196.2 SG2 407.0 THA .92

ST 2457.6 SR 390.5 SS 530.6
 CRT .9898 CRS -.9244 CST -.9662
 LSA 2540.2 MSA 144.1 SSA 25.8
 EL1 2487.9 EL2 55.1 ALF 8.94

LAUNCH DATE JAN 3 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 518.661

RL 147.10 LAL .00 LOL 102.17 VL 26.288 GAL 1.13 AZL 86.80 MCA 264.65 SMA 119.20 ECC .23482 INC 3.1950 V1 30.287
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.474 GAP 12.61 AZP 90.30 TAL 176.31 TAP 80.95 RCA 91.21 APO 147.19 V2 34.889
 RC 191.216 GL 19.76 GP -6.42 ZAL 83.10 ZAP 171.95 ETS 308.75 ZAE 132.07 ETE 186.19 ZAC 107.27 ETC 168.52 CLP-175.14

PLANETOCENTRIC CONIC

C3 18.779 VHL 4.333 DLA 25.80 RAL 9.84 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 8.238 OPA -4.05 RAP 14.59 ECC 1.3090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 37 3176.97 -26.39 109.12 239.01 79.35 1 50 34 2577.0 -27.60 100.66
 90.00 21 24 22 3866.01 -10.53 153.13 233.42 63.56 22 28 48 3266.0 -14.00 146.17
 100.00 2 45 3 2830.59 -28.82 84.09 239.47 81.69 3 32 14 2230.6 -29.67 75.39
 100.00 22 19 37 3687.62 -8.35 138.87 232.27 61.19 23 21 4 3087.6 -12.13 132.12
 110.00 4 40 35 2469.12 -34.06 57.26 240.08 86.85 5 21 44 1869.1 -34.12 48.01
 110.00 22 40 34 3621.86 -3.85 131.13 229.51 56.01 23 40 56 3021.9 -8.29 124.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8910 TRA .5427 TC3-5.2159 BAU 1.3098
 RDE .3020 RRA -.0656 RC3 .1090 FAU .02150
 FDE .5307 FRA .5678 FC3 -.9913 BSP 16722
 BDE 1.9150 BRA .5466 BC3 5.2170 FSP -388

SGT 5227.0 SGR 421.5 SG3 119.9
 RRT .2245 RRF .2030 RTF .8689
 SGB 5244.0 R23 .0069 R13 .8689
 SGI 5227.9 SG2 410.7 THA 1.04

ST 2515.3 SR 400.4 SS 530.6
 CRT .9842 CRS -.9144 CST -.9695
 LSA 2597.5 MSA 145.1 SSA 25.1
 EL1 2546.0 EL2 70.1 ALF 8.91

LAUNCH DATE JAN 3 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 524.121

RL 147.10 LAL .00 LOL 102.17 VL 26.234 GAL 1.76 AZL 86.89 HCA 267.83 SMA 118.89 ECC .23906 INC 3.1127 V1 30.287
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.445 GAP 12.92 AZP 90.12 TAL 174.39 TAP 82.21 RCA 90.47 APO 147.32 V2 34.900
 RC 193.113 GL 18.80 GP -6.24 ZAL 79.49 ZAP 172.49 ETS 305.54 ZAE 132.24 ETE 186.08 ZAC 109.65 ETC 168.69 CLP-175.82

PLANETOCENTRIC CONIC

C3 19.524 VHL 4.419 DLA 26.39 RAL 13.89 RAD 6567.8 VEL 11.870 PTH 2.11 VHP 8.425 DPA -2.86 RAP 16.78 ECC 1.3213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 38 3230.56 -25.66 112.88 243.75 77.60 1 54 29 2630.6 -27.12 104.51
 90.00 21 53 43 3830.79 -11.59 151.08 238.59 63.98 22 57 34 3230.8 -14.99 144.06
 100.00 2 51 26 2873.38 -28.36 87.19 244.34 80.12 3 39 19 2273.4 -29.43 78.55
 100.00 22 45 37 3663.20 -9.15 137.49 237.31 61.42 23 46 40 3063.2 -12.89 130.71
 110.00 4 50 30 2500.82 -33.91 59.72 245.17 85.40 5 32 11 1900.8 -34.17 50.49
 110.00 23 3 2 3608.53 -4.36 130.43 234.39 56.06 24 3 10 3008.5 -8.79 124.14

DIFFERENTIAL CORRECTIONS

TOE 1.9449 TRA .8083 TC3-5.0486 BAU 1.3180
 ROE .3149 RRA -.0624 RC3 .0939 FAU .02021
 FDE .5183 FRA .6077 FC3 -.8963 BSP 16877
 BOE 1.9703 BRA .8107 BC3 5.0494 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 5256.8 SGR 426.4 SG3 117.6
 RRT .2472 RRF .2228 RTF .8746
 SGB 5274.1 R23 .0054 R13 .8746
 SG1 5257.9 SG2 413.1 TMA 1.16

ORBIT DETERMINATION ACCURACY

ST 2549.8 SR 409.3 SS 525.9
 CRT .9775 CRS -.9039 CST -.9722
 LSA 2631.2 MSA 148.0 SSA 24.1
 EL1 2581.1 EL2 85.4 ALF 8.93

LAUNCH DATE JAN 3 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 529.545

RL 147.10 LAL .00 LOL 102.17 VL 26.181 GAL 2.41 AZL 86.97 HCA 271.01 SMA 118.60 ECC .24375 INC 3.0307 V1 30.287
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.418 GAP 13.26 AZP 89.95 TAL 172.47 TAP 83.48 RCA 89.69 APO 147.51 V2 34.912
 RC 194.989 GL 17.79 GP -6.07 ZAL 75.90 ZAP 172.99 ETS 301.76 ZAE 132.40 ETE 185.99 ZAC 112.04 ETC 168.81 CLP-176.50

PLANETOCENTRIC CONIC

C3 20.490 VHL 4.527 DLA 26.89 RAL 17.96 RAD 6567.8 VEL 11.911 PTH 2.12 VHP 8.628 DPA -1.69 RAP 18.99 ECC 1.3372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 4 12 3284.34 -24.82 116.59 248.58 75.92 1 58 56 2684.3 -26.52 108.33
 90.00 22 22 35 3800.01 -12.50 149.28 243.90 64.38 23 25 55 3200.0 -15.85 142.21
 100.00 2 58 48 2914.90 -27.84 90.17 249.34 78.64 3 47 23 2314.9 -29.12 81.60
 100.00 23 10 41 3644.68 -9.75 136.45 242.47 61.60 24 11 25 3044.7 -13.47 129.63
 110.00 5 1 18 2531.60 -33.72 62.11 250.39 84.00 5 43 29 1931.6 -34.18 52.89
 110.00 23 24 40 3600.75 -4.66 130.02 239.37 56.10 24 24 41 3000.7 -9.08 123.72

DIFFERENTIAL CORRECTIONS

TOE 1.9920 TRA 1.0876 TC3-4.8356 BAU 1.3248
 ROE .3290 RRA -.0575 RC3 .0786 FAU .01898
 FDE .5049 FRA .6481 FC3 -.8019 BSP 17019
 BOE 2.0190 BRA 1.0891 BC3 4.8362 FSP -379

MID-COURSE EXECUTION ACCURACY

SGT 5282.5 SGR 430.3 SG3 115.3
 RRT .2695 RRF .2428 RTF .8807
 SGB 5300.0 R23 .0041 R13 .8807
 SG1 5283.8 SG2 414.3 TMA 1.27

ORBIT DETERMINATION ACCURACY

ST 2567.0 SR 417.2 SS 519.2
 CRT .9697 CRS -.8926 CST -.9744
 LSA 2647.5 MSA 152.9 SSA 22.9
 EL1 2598.7 EL2 100.7 ALF 8.97

LAUNCH DATE JAN 3 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 534.927

RL 147.10 LAL .00 LOL 102.17 VL 26.128 GAL 3.09 AZL 87.05 HCA 274.19 SMA 118.31 ECC .24892 INC 2.9484 V1 30.287
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.392 GAP 13.62 AZP 89.78 TAL 170.57 TAP 84.76 RCA 88.86 APO 147.76 V2 34.924
 RC 196.842 GL 16.74 GP -5.93 ZAL 72.35 ZAP 173.44 ETS 297.35 ZAE 132.56 ETE 185.91 ZAC 114.43 ETC 168.90 CLP-177.18

PLANETOCENTRIC CONIC

C3 21.705 VHL 4.659 DLA 27.28 RAL 22.00 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 8.846 DPA -.54 RAP 21.20 ECC 1.3572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 41 3336.74 -23.91 120.16 253.49 74.36 2 4 18 2736.7 -25.83 112.02
 90.00 22 50 20 3775.29 -13.22 147.83 249.30 64.73 23 53 15 3175.3 -16.52 140.70
 100.00 3 7 25 2954.00 -27.28 92.94 254.44 77.28 3 56 39 2354.0 -28.76 84.45
 100.00 23 34 18 3633.27 -10.12 135.80 247.70 61.72 24 34 51 3033.3 -13.82 128.97
 110.00 5 13 1 2560.98 -33.48 64.37 255.71 82.68 5 55 42 1961.0 -34.13 55.19
 110.00 23 45 11 3599.05 -4.72 129.94 244.42 56.11 24 45 10 2999.1 -9.14 123.63

DIFFERENTIAL CORRECTIONS

TOE 2.0318 TRA 1.3825 TC3-4.5813 BAU 1.3295
 ROE .3442 RRA -.0508 RC3 .0638 FAU .01775
 FDE .4911 FRA .6904 FC3 -.7081 BSP 17133
 BOE 2.0608 BRA 1.3834 BC3 4.5818 FSP -373

MID-COURSE EXECUTION ACCURACY

SGT 5303.4 SGR 433.2 SG3 113.1
 RRT .2914 RRF .2632 RTF .8865
 SGB 5321.1 R23 .0035 R13 .8865
 SG1 5304.9 SG2 414.3 TMA 1.37

ORBIT DETERMINATION ACCURACY

ST 2567.0 SR 423.8 SS 511.1
 CRT .9609 CRS -.8805 CST -.9763
 LSA 2646.6 MSA 159.7 SSA 21.7
 EL1 2599.2 EL2 116.0 ALF 9.03

LAUNCH DATE JAN 3 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 540.261

RL 147.10 LAL .00 LOL 102.17 VL 26.076 GAL 3.81 AZL 87.13 HCA 277.38 SMA 118.02 ECC .25462 INC 2.8654 V1 30.287
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.366 GAP 14.02 AZP 89.63 TAL 168.68 TAP 86.06 RCA 87.97 APO 148.07 V2 34.936
 RC 198.673 GL 15.67 GP -5.79 ZAL 68.88 ZAP 173.83 ETS 292.24 ZAE 132.71 ETE 185.83 ZAC 116.83 ETC 168.95 CLP-177.87

PLANETOCENTRIC CONIC

C3 23.203 VHL 4.817 DLA 27.56 RAL 25.98 RAD 6567.9 VEL 12.024 PTH 2.15 VHP 9.082 DPA .58 RAP 23.42 ECC 1.3819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 14 42 3385.45 -22.97 123.42 258.47 72.98 2 11 7 2785.5 -25.09 113.39
 90.00 23 16 5 3758.96 -13.70 146.86 254.71 64.97 24 18 44 3159.0 -16.96 139.70
 100.00 3 17 31 2989.54 -26.72 95.43 259.61 76.08 4 7 20 2389.5 -28.37 87.02
 100.00 23 55 57 3630.10 -10.22 135.62 252.93 61.76 24 56 27 3030.1 -13.92 128.78
 110.00 5 25 37 2588.62 -33.22 66.48 261.10 81.45 6 8 46 1988.6 -34.05 57.34
 110.00 0 8 16 3603.79 -4.54 130.18 249.48 56.08 1 8 20 3003.8 -8.96 123.89

DIFFERENTIAL CORRECTIONS

TOE 2.0664 TRA 1.6960 TC3-4.2897 BAU 1.3307
 ROE .3605 RRA -.0422 RC3 .0501 FAU .01651
 FDE .4778 FRA .7352 FC3 -.6160 BSP 17168
 BOE 2.0976 BRA 1.6966 BC3 4.2900 FSP -366

MID-COURSE EXECUTION ACCURACY

SGT 5319.6 SGR 435.2 SG3 110.9
 RRT .3134 RRF .2849 RTF .8923
 SGB 5337.4 R23 .0038 R13 .8923
 SG1 5321.4 SG2 413.1 TMA 1.48

ORBIT DETERMINATION ACCURACY

ST 2554.0 SR 429.1 SS 503.0
 CRT .9509 CRS -.8676 CST -.9780
 LSA 2632.8 MSA 167.9 SSA 20.4
 EL1 2586.5 EL2 131.2 ALF 9.10

LAUNCH DATE JAN 3 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 545.536

RL 147.10 LAL .00 LOL 102.17 VL 26.026 GAL 4.57 AZL 87.22 HCA 280.57 SMA 117.75 ECC .26091 INC 2.7812 V1 30.287
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.342 GAP 14.44 AZP 89.49 TAL 166.80 TAP 87.37 RCA 87.03 APO 148.47 V2 34.948
 RC 200.481 GL 14.58 GP -5.67 ZAL 65.51 ZAP 174.15 ETS 286.39 ZAE 132.85 ETE 185.77 ZAC 79.65 ETC 284.22 CLP-178.56

PLANETOCENTRIC CONIC

C3 25.022 VHL 5.002 DLA 27.74 RAL 29.87 RAD 6568.0 VEL 12.100 PTH 2.17 VHP 9.338 DPA 1.69 RAP 25.65 ECC 1.4118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 7 3427.19 -22.12 126.18 263.51 71.85 2 20 14 2827.2 -24.39 118.25
 90.00 23 38 40 3754.22 -13.83 146.58 260.08 65.04 24 41 14 3154.2 -17.08 139.41
 100.00 3 29 15 3020.58 -28.20 97.59 264.84 75.06 4 19 36 2420.6 -27.99 89.25
 100.00 0 19 9 3636.07 -10.03 135.96 258.13 61.69 1 19 45 3036.1 -13.73 129.13
 110.00 5 39 4 2614.31 -32.95 68.44 266.53 80.33 6 22 38 2014.3 -33.93 59.34
 110.00 0 25 50 3615.10 -4.11 130.78 254.53 56.04 1 26 5 3015.1 -8.54 124.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0810 TRA 2.0147 TC3-3.9931 BAU 1.3358 SGT 5332.8 SGR 435.6 SG3 108.5 ST 2511.5 SR 432.2 SS 490.2
 RDE .3771 RRA -.0382 RC3 .0370 FAU .01549 RRT .3329 RRF .3033 RTF .8990 CRT .9395 CRS -.8527 CST -.9793
 FDE .4601 FRA .7774 FC3 -.5360 BSP 17448 SGB 5350.5 R23 .0023 R13 .8990 LSA 2589.0 MSA 177.1 SSA 19.1
 BDE 2.1149 BRA 2.0149 BC3 3.9933 FSP -366 SG1 5334.7 SG2 410.6 THA 1.57 EL1 2544.3 EL2 146.1 ALF 9.21

LAUNCH DATE JAN 3 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 550.746

RL 147.10 LAL .00 LOL 102.17 VL 25.976 GAL 5.36 AZL 87.30 HCA 283.76 SMA 117.48 ECC .26784 INC 2.6951 V1 30.287
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.319 GAP 14.90 AZP 89.36 TAL 164.95 TAP 88.71 RCA 86.01 APO 148.94 V2 34.961
 RC 202.264 GL 13.48 GP -5.55 ZAL 62.25 ZAP 174.40 ETS 279.84 ZAE 132.99 ETE 185.71 ZAC 79.24 ETC 284.12 CLP-179.26

PLANETOCENTRIC CONIC

C3 27.210 VHL 5.216 DLA 27.81 RAL 35.63 RAD 6568.1 VEL 12.190 PTH 2.19 VHP 9.617 DPA 2.77 RAP 27.89 ECC 1.4478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 53 3458.60 -21.44 128.24 268.64 71.04 2 32 32 2858.6 -23.83 120.38
 90.00 0 0 53 3764.32 -13.94 147.18 265.30 64.89 1 3 37 3164.3 -16.82 140.03
 100.00 3 42 40 3046.67 -25.73 99.39 270.11 74.23 4 33 27 2446.7 -27.64 91.11
 100.00 0 35 47 3651.48 -9.53 136.83 263.23 61.53 1 36 38 3051.5 -13.26 130.03
 110.00 5 53 14 2638.07 -32.66 70.23 271.98 79.30 6 37 12 2038.1 -33.79 61.18
 110.00 0 41 43 3632.84 -3.44 131.71 259.51 55.97 1 42 16 3032.8 -7.88 125.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0945 TRA 2.3594 TC3-3.6673 BAU 1.3341 SGT 5340.0 SGR 435.1 SG3 106.3 ST 2465.5 SR 433.7 SS 479.7
 RDE .3948 RRA -.0201 RC3 .0259 FAU .01437 RRT .3534 RRF .3240 RTF .9052 CRT .9267 CRS -.8370 CST -.9806
 FDE .4449 FRA .8244 FC3 -.4572 BSP 17551 SGB 5357.7 R23 .0023 R13 .9052 LSA 2542.0 MSA 187.0 SSA 17.9
 BDE 2.1314 BRA 2.3595 BC3 3.6674 FSP -361 SG1 5342.2 SG2 406.9 THA 1.66 EL1 2498.2 EL2 160.8 ALF 9.30

LAUNCH DATE JAN 3 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 555.878

RL 147.10 LAL .00 LOL 102.17 VL 25.927 GAL 6.20 AZL 87.39 HCA 286.95 SMA 117.22 ECC .27550 INC 2.6065 V1 30.287
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.296 GAP 15.41 AZP 89.24 TAL 163.11 TAP 90.07 RCA 84.92 APO 149.51 V2 34.974
 RC 204.023 GL 12.39 GP -5.45 ZAL 59.12 ZAP 174.55 ETS 272.68 ZAE 133.11 ETE 185.66 ZAC 78.84 ETC 284.00 CLP-179.97

PLANETOCENTRIC CONIC

C3 29.825 VHL 5.461 DLA 27.79 RAL 37.26 RAD 6568.2 VEL 12.296 PTH 2.21 VHP 9.921 DPA 3.82 RAP 30.13 ECC 1.4909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 50 23 3478.09 -21.00 129.50 273.87 70.55 2 48 21 2878.1 -23.46 121.69
 90.00 0 14 17 3790.66 -12.78 148.73 270.32 64.51 1 17 28 3190.7 -16.10 141.64
 100.00 3 57 38 3067.90 -25.33 100.84 275.40 73.57 4 48 46 2467.9 -27.33 92.61
 100.00 0 49 43 3676.08 -8.73 138.22 268.22 61.30 1 51 0 3076.1 -12.49 131.46
 110.00 6 7 57 2660.04 -32.37 71.88 277.41 78.36 6 52 17 2060.0 -33.63 62.88
 110.00 0 55 54 3656.70 -2.53 132.95 264.42 55.90 1 56 50 3056.7 -6.98 126.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1008 TRA 2.7218 TC3-3.3355 BAU 1.3300 SGT 5343.1 SGR 433.6 SG3 104.2 ST 2409.8 SR 433.2 SS 469.3
 RDE .4129 RRA -.0062 RC3 .0163 FAU .01330 RRT .3738 RRF .3444 RTF .9116 CRT .9125 CRS -.8201 CST -.9818
 FDE .4295 FRA .8734 FC3 -.3863 BSP 17595 SGB 5360.7 R23 .0019 R13 .9116 LSA 2485.2 MSA 197.2 SSA 16.8
 BDE 2.1410 BRA 2.7218 BC3 3.3355 FSP -356 SG1 5345.6 SG2 402.0 THA 1.75 EL1 2442.2 EL2 174.9 ALF 9.36

LAUNCH DATE JAN 3 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 560.918

RL 147.10 LAL .00 LOL 102.17 VL 25.880 GAL 7.09 AZL 87.49 HCA 290.15 SMA 116.96 ECC .28396 INC 2.5148 V1 30.287
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.275 GAP 15.96 AZP 89.13 TAL 161.31 TAP 91.46 RCA 83.75 APO 150.17 V2 34.987
 RC 205.757 GL 11.32 GP -5.35 ZAL 56.14 ZAP 174.60 ETS 265.11 ZAE 133.21 ETE 185.60 ZAC 78.44 ETC 283.84 CLP 179.31

PLANETOCENTRIC CONIC

C3 32.939 VHL 5.739 DLA 27.68 RAL 40.71 RAD 6568.3 VEL 12.422 PTH 2.24 VHP 10.253 DPA 4.85 RAP 32.38 ECC 1.5421
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 8 54 3487.57 -20.78 130.11 279.17 70.32 3 7 2 2887.6 -23.28 122.32
 90.00 0 23 21 3831.09 -11.58 151.10 275.13 63.98 1 27 12 3231.1 -14.99 144.08
 100.00 4 13 49 3084.88 -24.99 101.99 280.68 73.05 5 5 14 2484.9 -27.08 93.81
 100.00 1 1 7 3709.01 -7.64 140.07 273.06 61.01 2 2 56 3109.0 -11.45 133.35
 110.00 6 23 2 2680.48 -32.08 73.40 282.80 77.51 7 7 43 2080.5 -33.47 64.45
 110.00 1 8 24 3686.18 -1.40 134.49 269.21 55.84 2 9 50 3086.2 -5.87 128.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0948 TRA 3.1044 TC3-3.0061 BAU 1.3238 SGT 5341.1 SGR 430.8 SG3 102.0 ST 2342.3 SR 430.5 SS 459.3
 RDE .4313 RRA .0094 RC3 .0085 FAU .01227 RRT .3929 RRF .3645 RTF .9179 CRT .8961 CRS -.8017 CST -.9832
 FDE .4141 FRA .9249 FC3 -.3224 BSP 17783 SGB 5358.5 R23 .0020 R13 .9179 LSA 2416.5 MSA 207.5 SSA 15.8
 BDE 2.1387 BRA 3.1044 BC3 3.0061 FSP -352 SG1 5343.8 SG2 395.9 THA 1.83 EL1 2374.1 EL2 188.5 ALF 9.41

LAUNCH DATE JAN 3 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 25.833 GAL 8.05 AZL 87.58 HCA 293.35 SMA 116.71 ECC .29332 INC 2.4193 V1 30.287
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.254 GAP 16.56 AZP 89.04 TAL 159.55 TAP 92.89 RCA 82.48 APO 150.95 V2 35.000
 RC 207.465 GL 10.28 GP -5.27 ZAL 53.30 ZAP 174.34 ETS 257.38 ZAE 133.30 ETE 185.56 ZAC 128.73 ETC 168.50 CLP 178.58

PLANETOCENTRIC CONIC
 C3 36.636 VHL 6.053 DLA 27.49 RAL 43.99 RAD 6568.4 VEL 12.570 PTH 2.28 VHP 10.618 DPA 5.85 RAP 34.63 ECC 1.6029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 29 10 3490.86 -20.71 130.32 284.47 70.24 3 27 21 2890.9 -23.21 122.55
 90.00 0 29 16 3881.51 -10.06 154.02 279.75 63.39 1 33 58 3281.5 -13.55 147.09
 100.00 4 30 51 3098.61 -24.72 102.92 285.93 72.63 5 22 29 2498.6 -26.86 94.77
 100.00 1 10 17 3748.99 -6.32 142.29 277.75 60.72 2 12 46 3149.0 -10.17 135.63
 110.00 6 38 18 2699.74 -31.79 74.83 288.13 76.71 7 23 18 2099.7 -33.29 65.92
 110.00 1 19 19 3720.63 -.08 136.29 273.89 55.82 2 21 19 3120.6 -4.57 130.08

MID-COURSE EXECUTION ACCURACY
 SGT 5340.1 SGR 427.5 SG3 100.4
 RRT .4148 RRF .3885 RTF .9241
 SGB 5357.2 R23 .0035 R13 .9241
 SGI 5343.0 SG2 388.8 THA 1.91

ORBIT DETERMINATION ACCURACY
 ST 2289.4 SR 426.6 SS 454.9
 CRT .8788 CRS -.7847 CST -.9849
 LSA 2362.8 MSA 217.0 SSA 14.9
 EL1 2320.1 EL2 200.9 ALF 9.37

DIFFERENTIAL CORRECTIONS
 TOE 2.1012 TRA 3.5282 TC3-2.6621 BAU 1.3039
 ROE .4506 RRA .0276 RC3 -.0032 FAU .01102
 FOE .4043 FRA .9846 FC3 -.2605 BSP 17476
 BOE 2.1490 BRA 3.5283 BC3 2.6621 FSP -337

LAUNCH DATE JAN 3 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 25.787 GAL 9.06 AZL 87.68 HCA 296.55 SMA 116.47 ECC .30371 INC 2.3189 V1 30.287
 RP 108.23 LAP -2.07 LOP 38.74 VP 36.235 GAP 17.22 AZP 88.96 TAL 157.82 TAP 94.37 RCA 81.10 APO 151.84 V2 35.014
 RC 209.146 GL 9.26 GP -5.19 ZAL 50.63 ZAP 174.37 ETS 249.80 ZAE 133.36 ETE 185.51 ZAC 131.07 ETC 168.26 CLP 177.82

PLANETOCENTRIC CONIC
 C3 41.024 VHL 6.405 DLA 27.24 RAL 47.09 RAD 6568.6 VEL 12.743 PTH 2.32 VHP 11.019 DPA 6.82 RAP 36.88 ECC 1.6752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 3 3491.26 -20.70 130.35 289.73 70.23 3 48 14 2891.3 -23.21 122.57
 90.00 0 33 4 3938.28 -8.31 157.28 284.19 62.83 1 38 42 3338.3 -11.89 150.43
 100.00 4 48 17 3110.09 -24.48 103.69 291.12 72.29 5 40 7 2510.1 -26.67 95.57
 100.00 1 17 30 3794.68 -4.79 144.83 282.28 60.46 2 20 45 3194.7 -8.69 138.21
 110.00 6 53 32 2718.13 -31.49 76.18 293.38 75.96 7 38 51 2118.1 -33.10 67.32
 110.00 1 28 44 3759.41 1.40 138.31 278.44 55.84 2 31 24 3159.4 -3.09 132.11

MID-COURSE EXECUTION ACCURACY
 SGT 5331.5 SGR 422.5 SG3 98.4
 RRT .4340 RRF .4088 RTF .9306
 SGB 5348.2 R23 .0033 R13 .9306
 SGI 5334.6 SG2 380.4 THA 1.98

ORBIT DETERMINATION ACCURACY
 ST 2219.9 SR 420.1 SS 448.1
 CRT .8592 CRS -.7649 CST -.9863
 LSA 2292.1 MSA 226.0 SSA 14.0
 EL1 2249.3 EL2 212.2 ALF 9.32

DIFFERENTIAL CORRECTIONS
 TOE 2.0882 TRA 3.9624 TC3-2.3473 BAU 1.2874
 ROE .4694 RRA .0469 RC3 -.0013 FAU .01001
 FOE .3908 FRA 1.0437 FC3 -.2111 BSP 17515
 BOE 2.1403 BRA 3.9627 BC3 2.3473 FSP -331

LAUNCH DATE JAN 3 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 25.743 GAL 10.15 AZL 87.79 HCA 299.75 SMA 116.24 ECC .31525 INC 2.2127 V1 30.287
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.216 GAP 17.96 AZP 88.90 TAL 156.15 TAP 95.90 RCA 79.59 APO 152.88 V2 35.027
 RC 210.800 GL 8.27 GP -5.11 ZAL 48.11 ZAP 174.09 ETS 242.60 ZAE 133.40 ETE 185.46 ZAC 133.39 ETC 167.95 CLP 177.04

PLANETOCENTRIC CONIC
 C3 46.237 VHL 6.800 DLA 26.93 RAL 49.98 RAD 6568.7 VEL 12.946 PTH 2.36 VHP 11.464 DPA 7.76 RAP 39.13 ECC 1.7609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 47 3490.94 -20.71 130.33 294.91 70.24 4 8 58 2890.9 -23.21 122.55
 90.00 0 35 26 3998.83 -6.41 160.71 288.48 62.36 1 42 5 3398.8 -10.06 153.94
 100.00 5 5 46 3120.26 -24.27 104.37 296.23 71.99 5 57 46 2520.3 -26.50 96.28
 100.00 1 23 8 3844.74 -3.11 147.59 286.66 60.25 2 27 13 3244.7 -7.04 141.01
 110.00 7 8 34 2735.96 -31.19 77.48 298.52 75.24 7 54 10 2136.0 -32.90 68.68
 110.00 1 36 49 3801.79 3.02 140.53 282.85 55.93 2 40 11 3201.8 -1.47 134.32

MID-COURSE EXECUTION ACCURACY
 SGT 5318.8 SGR 416.3 SG3 96.6
 RRT .4528 RRF .4290 RTF .9371
 SGB 5335.0 R23 .0029 R13 .9372
 SGI 5322.1 SG2 370.9 THA 2.04

ORBIT DETERMINATION ACCURACY
 ST 2151.0 SR 411.7 SS 443.1
 CRT .8377 CRS -.7443 CST -.9878
 LSA 2222.1 MSA 233.8 SSA 13.2
 EL1 2178.8 EL2 222.0 ALF 9.21

DIFFERENTIAL CORRECTIONS
 TOE 2.0711 TRA 4.4255 TC3-2.0470 BAU 1.2654
 ROE .4881 RRA .0680 RC3 -.0043 FAU .00900
 FOE .3781 FRA 1.1072 FC3 -.1685 BSP 17540
 BOE 2.1278 BRA 4.4260 BC3 2.0470 FSP -326

LAUNCH DATE JAN 3 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 102.17 VL 25.699 GAL 11.33 AZL 87.90 HCA 302.96 SMA 116.01 ECC .32810 INC 2.0993 V1 30.287
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.198 GAP 18.77 AZP 88.86 TAL 154.54 TAP 97.50 RCA 77.95 APO 154.07 V2 35.040
 RC 212.427 GL 7.32 GP -5.05 ZAL 45.77 ZAP 173.70 ETS 235.98 ZAE 133.41 ETE 185.41 ZAC 135.68 ETC 167.57 CLP 176.23

PLANETOCENTRIC CONIC
 C3 52.441 VHL 7.242 DLA 26.57 RAL 52.68 RAD 6568.9 VEL 13.183 PTH 2.41 VHP 11.957 DPA 8.66 RAP 41.36 ECC 1.8630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 55 3491.07 -20.70 130.33 299.97 70.24 4 29 6 2891.1 -23.21 122.56
 90.00 0 36 49 4061.54 -4.42 164.24 292.61 62.00 1 44 30 3461.5 -8.13 157.53
 100.00 5 22 58 3129.83 -24.07 105.01 301.22 71.71 6 15 8 2529.8 -26.34 96.95
 100.00 1 27 27 3898.02 -1.30 150.51 290.89 60.13 2 32 25 3298.0 -5.27 143.97
 110.00 7 23 15 2753.49 -30.88 78.76 303.55 74.55 8 9 8 2153.5 -32.69 70.00
 110.00 1 43 39 3847.12 4.74 142.90 287.13 56.11 2 47 47 3247.1 .26 136.69

MID-COURSE EXECUTION ACCURACY
 SGT 5303.2 SGR 409.0 SG3 94.8
 RRT .4718 RRF .4496 RTF .9436
 SGB 5319.0 R23 .0026 R13 .9437
 SGI 5306.8 SG2 360.4 THA 2.09

ORBIT DETERMINATION ACCURACY
 ST 2086.9 SR 401.7 SS 440.8
 CRT .8150 CRS -.7239 CST -.9894
 LSA 2157.1 MSA 240.0 SSA 12.5
 EL1 2112.7 EL2 229.9 ALF 9.02

DIFFERENTIAL CORRECTIONS
 TOE 2.0542 TRA 4.9238 TC3-1.7615 BAU 1.2350
 ROE .5068 RRA .0908 RC3 -.0059 FAU .00795
 FOE .3674 FRA 1.1766 FC3 -.1312 BSP 17477
 BOE 2.1158 BRA 4.9247 BC3 1.7615 FSP -318

LAUNCH DATE JAN 3 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 583.962

RL 147.10 LAL .00 LOL 102.17 VL 25.657 GAL 12.61 AZL 88.02 HCA 306.16 SMA 115.79 ECC .34246 INC 1.9773 V1 30.287
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.181 GAP 19.68 AZP 88.83 TAL 153.01 TAP 99.17 RCA 76.14 APO 155.44 V2 35.053
 RC 214.027 GL 6.41 GP -4.99 ZAL 43.59 ZAP 173.21 ETS 230.00 ZAE 133.38 ETE 185.36 ZAC 137.93 ETC 167.12 CLP 175.39

PLANETOCENTRIC CONIC

C3 59.848 VHL 7.736 CLA 26.18 RAL 55.17 RAD 6569.1 VEL 13.461 PTH 2.46 VHP 12.506 CPA 9.53 RAP 43.58 ECC 1.9849
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 12 3492.22 -20.68 130.41 304.88 70.21 4 48 24 2892.2 -23.19 122.64
 90.00 0 37 26 4125.37 -2.37 167.82 296.61 61.77 1 46 11 3525.4 -6.13 161.15
 100.00 5 39 41 3139.27 -23.86 105.64 306.08 71.44 6 32 0 2539.3 -26.18 97.60
 100.00 1 30 38 3953.55 .58 153.56 294.97 60.11 2 36 31 3353.6 -3.40 147.03
 110.00 7 37 26 2770.85 -30.56 80.01 308.43 73.88 8 23 37 2170.8 -32.46 71.31
 110.00 1 49 22 3894.74 6.54 145.41 291.27 56.37 2 54 17 3294.7 2.08 139.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0324 TRA 5.4545 TC3-1.4982 BAU 1.1987
 RDE .5251 RRA .1150 RC3 -.0066 FAU .00693
 FDE .3569 FRA 1.2511 FC3 -.1002 BSP 17492
 BDE 2.0991 BRA 5.4557 BC3 1.4982 FSP -313

SGT 5282.3 SGR 400.4 SG3 93.1
 RRT .4899 RRF .4692 RTF .9501
 SGB 5297.4 R23 .0020 R13 .9501
 SGI 5286.0 SG2 348.8 THA 2.14

ST 2023.4 SR 389.9 SS 440.0
 CRT .7907 CRS -.7029 CST -.9909
 LSA 2092.8 MSA 244.6 SSA 11.8
 EL1 2047.1 EL2 236.0 ALF 8.78

LAUNCH DATE JAN 3 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 587.894

RL 147.10 LAL .00 LOL 102.17 VL 25.616 GAL 14.00 AZL 88.16 HCA 309.37 SMA 115.58 ECC .35855 INC 1.8448 V1 30.287
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.164 GAP 20.69 AZP 88.83 TAL 151.56 TAP 100.93 RCA 74.14 APO 157.02 V2 35.067
 RC 215.599 GL 5.54 GP -4.93 ZAL 41.60 ZAP 172.62 ETS 224.68 ZAE 133.31 ETE 185.30 ZAC 140.14 ETC 166.59 CLP 174.50

PLANETOCENTRIC CONIC

C3 68.729 VHL 8.290 CLA 25.75 RAL 57.46 RAD 6569.3 VEL 13.787 PTH 2.52 VHP 13.122 CPA 10.35 RAP 45.78 ECC 2.1311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 8 29 3494.56 -20.62 130.56 309.62 70.15 5 6 44 2894.6 -23.14 122.79
 90.00 0 37 24 4189.61 -1.30 171.40 300.45 61.68 1 47 14 3589.6 -4.08 164.76
 100.00 5 55 43 3148.84 -23.65 106.27 310.77 71.17 6 48 12 2548.8 -26.01 98.26
 100.00 1 32 51 4010.55 2.51 156.69 298.89 60.20 2 39 42 3410.6 -1.47 150.17
 110.00 7 51 1 2788.11 -30.22 81.24 313.14 73.21 8 37 29 2188.1 -32.22 72.60
 110.00 1 54 3 3944.05 8.40 148.03 295.27 56.74 2 59 47 3344.1 3.96 141.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0109 TRA 6.0264 TC3-1.2545 BAU 1.1527
 RDE .5430 RRA .1406 RC3 -.0064 FAU .00586
 FDE .3478 FRA 1.3327 FC3 -.0738 BSP 17491
 BDE 2.0829 BRA 6.0281 BC3 1.2546 FSP -308

SGT 5257.6 SGR 390.6 SG3 91.4
 RRT .5076 RRF .4886 RTF .9563
 SGB 5272.1 R23 .0014 R13 .9563
 SGI 5261.3 SG2 336.3 THA 2.17

ST 1964.6 SR 376.7 SS 441.9
 CRT .7655 CRS -.6821 CST -.9924
 LSA 2033.7 MSA 247.1 SSA 11.1
 EL1 1986.0 EL2 239.8 ALF 8.47

LAUNCH DATE JAN 3 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 591.470

RL 147.10 LAL .00 LOL 102.17 VL 25.577 GAL 15.53 AZL 88.30 HCA 312.58 SMA 115.38 ECC .37664 INC 1.6994 V1 30.287
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.149 GAP 21.84 AZP 88.83 TAL 150.22 TAP 102.81 RCA 71.92 APO 158.83 V2 35.080
 RC 217.144 GL 4.70 GP -4.87 ZAL 39.78 ZAP 171.93 ETS 219.98 ZAE 133.19 ETE 185.24 ZAC 142.29 ETC 165.98 CLP 173.56

PLANETOCENTRIC CONIC

C3 79.434 VHL 8.913 CLA 25.30 RAL 59.54 RAD 6569.6 VEL 14.170 PTH 2.58 VHP 13.814 CPA 11.14 RAP 47.94 ECC 2.3073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 42 3498.03 -20.54 130.78 314.17 70.07 5 24 0 2898.0 -23.07 123.02
 90.00 0 36 48 4253.74 1.77 174.98 304.15 61.73 1 47 42 3553.7 -2.02 168.35
 100.00 6 10 58 3158.64 -23.44 106.92 315.28 70.90 7 3 37 2558.6 -25.83 98.93
 100.00 1 34 13 4068.35 4.46 159.87 302.66 60.41 2 42 1 3468.4 .49 153.34
 110.00 8 3 55 2805.24 -29.88 82.46 317.66 72.57 8 50 40 2205.2 -31.97 73.87
 110.00 1 57 45 3994.52 10.27 150.74 299.12 57.22 3 4 20 3394.5 5.88 144.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9915 TRA 6.6449 TC3-1.0309 BAU 1.0948
 RDE .5606 RRA .1675 RC3 -.0054 FAU .00472
 FDE .3405 FRA 1.4225 FC3 -.0514 BSP 17469
 BDE 2.0689 BRA 6.6470 BC3 1.0309 FSP -303

SGT 5228.8 SGR 379.7 SG3 89.8
 RRT .5248 RRF .5076 RTF .9623
 SGB 5242.6 R23 .0008 R13 .9623
 SGI 5232.6 SG2 323.0 THA 2.19

ST 1910.8 SR 362.1 SS 446.6
 CRT .7339 CRS -.6622 CST -.9938
 LSA 1980.0 MSA 247.4 SSA 10.5
 EL1 1929.8 EL2 241.2 ALF 8.11

LAUNCH DATE JAN 3 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 594.600

RL 147.10 LAL .00 LOL 102.17 VL 25.539 GAL 17.22 AZL 88.46 HCA 315.80 SMA 115.18 ECC .39705 INC 1.5381 V1 30.287
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.135 GAP 23.13 AZP 88.90 TAL 149.02 TAP 104.82 RCA 69.45 APO 160.92 V2 35.039
 RC 218.662 GL 3.91 GP -4.82 ZAL 38.14 ZAP 171.14 ETS 215.84 ZAE 133.00 ETE 185.17 ZAC 144.38 ETC 165.28 CLP 172.5

PLANETOCENTRIC CONIC

C3 92.421 VHL 9.614 CLA 24.82 RAL 61.41 RAD 6569.8 VEL 14.621 PTH 2.65 VHP 14.598 CPA 11.88 RAP 50.06 ECC 2.5210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 46 3502.44 -20.44 131.06 318.50 69.96 5 40 9 2902.4 -22.98 123.32
 90.00 0 35 38 4317.31 3.82 178.53 307.68 61.92 1 47 35 3717.3 .03 171.90
 100.00 6 25 19 3168.58 -23.21 107.57 319.58 70.62 7 18 8 2568.6 -25.64 99.62
 100.00 1 34 46 4126.40 6.40 163.09 306.26 60.74 2 43 33 3526.4 2.46 156.52
 110.00 8 16 3 2822.13 -29.53 83.65 321.96 71.94 9 3 5 2222.1 -31.71 75.12
 110.00 2 0 31 4045.62 12.14 153.52 302.80 57.80 3 7 57 3445.6 7.80 147.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9789 TRA 7.3197 TC3 -.8260 BAU 1.0206
 RDE .5779 RRA .1954 RC3 -.0039 FAU .00343
 FDE .3356 FRA 1.5227 FC3 -.0321 BSP 17364
 BDE 2.0616 BRA 7.3223 BC3 .8260 FSP -296

SGT 5197.7 SGR 367.6 SG3 88.3
 RRT .5417 RRF .5264 RTF .9680
 SGB 5210.7 R23 .0002 R13 .9680
 SGI 5201.6 SG2 308.8 THA 2.20

ST 1863.5 SR 346.5 SS 454.8
 CRT .7150 CRS -.6438 CST -.9950
 LSA 1933.7 MSA 245.4 SSA 9.9
 EL1 1880.2 EL2 240.1 ALF 7.70

LAUNCH DATE JAN 3 1966

FLIGHT TIME 208.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 102.17 VL 25.504 GAL 19.09 AZL 88.64 HCA 319.01 SMA 115.00 ECC .42016 INC 1.3568 V1 30.287
 RP 107.95 LAP -.89 LOP 61.19 VP 36.122 GAP 24.61 AZP 88.98 TAL 147.97 TAP 106.99 RCA 66.68 APO 163.32 V2 35.105
 RC 220.152 GL 3.14 GP -4.78 ZAL 36.70 ZAP 170.23 ETS 212.17 ZAE 132.73 ETE 105.10 ZAC 146.39 ETC 164.48 CLP 171.47

PLANETOCENTRIC CONIC

C3 108.294 VHL 10.406 DLA 24.33 RAL 63.06 RAO 6570.1 VEL 15.154 PTH 2.72 VHP 15.491 DPA 12.57 RAP 52.12 ECC 2.7822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 56 41 3507.46 -20.32 131.39 322.59 69.85 5 55 8 2907.5 -22.88 123.65
 90.00 0 33 53 4380.01 5.82 182.05 311.02 62.24 1 46 53 3780.0 2.06 175.39
 100.00 6 38 43 3178.50 -22.99 108.22 323.63 70.35 7 31 41 2578.5 -25.46 100.29
 100.00 1 34 32 4184.20 8.32 166.31 309.66 61.18 2 44 16 3584.2 4.41 159.71
 110.00 8 27 22 2838.59 -29.18 84.80 326.02 71.35 9 14 40 2238.6 -31.44 76.32
 110.00 2 2 22 4096.88 13.98 156.34 306.31 58.48 3 10 39 3496.9 9.71 149.85

DIFFERENTIAL CORRECTIONS

TDE 1.9689 TRA 8.0518 TC3 -.6422 BAU .9298 SGT 5160.8 SGR 354.2 SG3 86.8 ST 1818.6 SR 329.9 SS 465.8
 RDE .5946 RRA .2239 RC3 -.0021 FAU .00200 RRT .5574 RRF .5439 RTF .9733 CRT .6903 CRS -.6261 CST -.9962
 FDE .3321 FRA 1.6335 FC3 -.0160 BSP 17331 SGB 5172.9 R23 -.0004 R13 .9733 LSA 1890.7 MSA 241.2 SSA 9.2
 BDE 2.0567 BRA 8.0550 BC3 .6422 FSP -292 SG1 5164.6 SG2 293.9 TMA 2.20 EL1 1833.0 EL2 236.8 ALF 7.26

LAUNCH DATE JAN 3 1966

FLIGHT TIME 210.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 102.17 VL 25.470 GAL 21.19 AZL 88.85 HCA 322.23 SMA 114.83 ECC .44644 INC 1.1503 V1 30.287
 RP 107.91 LAP -.70 LOP 64.41 VP 36.110 GAP 26.31 AZP 89.09 TAL 147.12 TAP 109.36 RCA 63.57 APO 166.10 V2 35.117
 RC 221.615 GL 2.42 GP -4.73 ZAL 35.47 ZAP 169.21 ETS 208.91 ZAE 132.36 ETE 105.01 ZAC 148.30 ETC 163.58 CLP 170.29

PLANETOCENTRIC CONIC

C3 127.858 VHL 11.307 DLA 23.83 RAL 64.48 RAD 6570.4 VEL 15.786 PTH 2.80 VHP 16.513 DPA 13.21 RAP 54.10 ECC 3.1042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 24 3512.72 -20.20 131.72 326.38 69.72 6 8 57 2912.7 -22.78 124.00
 90.00 0 31 28 4441.50 7.75 185.54 314.15 62.68 1 45 30 3841.5 4.03 178.83
 100.00 6 51 5 3188.11 -22.77 108.85 327.39 70.09 7 44 13 2588.1 -25.27 100.95
 100.00 1 33 28 4241.35 10.17 169.54 312.86 61.74 2 44 10 3641.3 6.32 162.87
 110.00 8 37 46 2854.36 -28.83 85.89 329.79 70.78 9 25 20 2254.4 -31.17 77.47
 110.00 2 3 17 4147.86 15.77 159.21 309.61 59.27 3 12 25 3547.9 11.58 152.61

DIFFERENTIAL CORRECTIONS

TDE 1.9679 TRA 8.8543 TC3 -.4772 BAU .8158 SGT 5119.9 SGR 339.7 SG3 85.4 ST 1777.7 SR 312.4 SS 480.6
 RDE .6109 RRA .2525 RC3 -.0002 FAU .00033 RRT .5721 RRF .5605 RTF .9782 CRT .6670 CRS -.6100 CST -.9971
 FDE .3311 FRA 1.7579 FC3 -.0022 BSP 17279 SGB 5131.2 R23 -.0010 R13 .9782 LSA 1853.0 MSA 234.8 SSA 8.6
 BDE 2.0605 BRA 8.8579 BC3 .4772 FSP -287 SG1 5123.6 SG2 278.4 TMA 2.18 EL1 1790.1 EL2 231.1 ALF 6.80

LAUNCH DATE JAN 3 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 102.17 VL 25.439 GAL 23.56 AZL 89.09 HCA 325.45 SMA 114.68 ECC .47641 INC .9114 V1 30.287
 RP 107.87 LAP -.52 LOP 67.62 VP 36.100 GAP 28.26 AZP 89.25 TAL 146.52 TAP 111.97 RCA 60.04 APO 169.31 V2 35.130
 RC 223.050 GL 1.72 GP -4.68 ZAL 34.47 ZAP 168.05 ETS 205.99 ZAE 131.87 ETE 104.91 ZAC 150.08 ETC 162.60 CLP 169.00

PLANETOCENTRIC CONIC

C3 152.202 VHL 12.337 DLA 23.30 RAL 65.65 RAD 6570.7 VEL 16.539 PTH 2.88 VHP 17.691 DPA 13.80 RAP 55.98 ECC 3.5049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 54 3517.76 -20.08 132.04 329.86 69.60 6 21 32 2917.8 -22.68 124.33
 90.00 0 28 19 4501.52 9.61 188.97 317.04 63.24 1 43 20 3901.5 5.94 182.21
 100.00 7 2 22 3197.06 -22.56 109.43 330.84 69.85 7 55 39 2597.1 -25.10 101.55
 100.00 1 31 32 4297.46 11.96 172.74 315.81 62.40 2 43 10 3697.5 8.18 166.00
 110.00 8 47 11 2869.11 -28.49 86.91 333.23 70.27 9 35 0 2269.1 -30.91 78.55
 110.00 2 3 12 4198.17 17.50 162.08 312.68 60.16 3 13 10 3598.2 13.40 155.37

DIFFERENTIAL CORRECTIONS

TDE 1.9795 TRA 9.7364 TC3 -.3302 BAU .6718 SGT 5074.4 SGR 323.9 SG3 84.0 ST 1740.0 SR 294.3 SS 499.7
 RDE .6269 RRA .2804 RC3 .0018 FAU-.00169 RRT .5854 RRF .5755 RTF .9825 CRT .6455 CRS -.5958 CST -.9978
 FDE .3332 FRA 1.8981 FC3 .0096 BSP 17210 SGB 5084.7 R23 -.0016 R13 .9825 LSA 1820.0 MSA 226.5 SSA 8.1
 BDE 2.0764 BRA 9.7405 BC3 .3302 FSP -283 SG1 5078.0 SG2 262.4 TMA 2.15 EL1 1750.5 EL2 223.4 ALF 6.33

LAUNCH DATE JAN 3 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC

RL 147.10 LAL .00 LOL 102.17 VL 25.412 GAL 26.26 AZL 89.37 HCA 328.67 SMA 114.54 ECC .51069 INC .6298 V1 30.287
 RP 107.84 LAP -.33 LOP 70.84 VP 36.092 GAP 30.54 AZP 89.46 TAL 146.21 TAP 114.88 RCA 56.04 APO 173.03 V2 35.141
 RC 224.456 GL 1.06 GP -4.64 ZAL 33.71 ZAP 166.73 ETS 203.35 ZAE 131.24 ETE 104.79 ZAC 151.72 ETC 161.55 CLP 167.55

PLANETOCENTRIC CONIC

C3 182.808 VHL 13.521 DLA 22.77 RAL 66.55 RAD 6571.0 VEL 17.439 PTH 2.96 VHP 19.057 DPA 14.33 RAP 57.73 ECC 4.0086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 6 3522.09 -19.98 132.32 332.96 69.50 6 32 48 2922.1 -22.59 124.62
 90.00 0 24 17 4559.82 11.38 192.34 319.65 63.89 1 40 17 3959.8 7.78 185.51
 100.00 7 12 28 3204.93 -22.37 109.94 333.92 69.64 8 5 53 2604.9 -24.94 102.09
 100.00 1 28 36 4352.22 13.67 175.91 318.48 63.16 2 41 8 3752.2 9.96 169.09
 110.00 8 55 32 2882.49 -28.18 87.83 336.29 69.80 9 43 34 2282.5 -30.67 79.51
 110.00 2 2 2 4247.42 19.15 164.95 315.46 61.13 3 12 49 3647.4 15.15 158.12

DIFFERENTIAL CORRECTIONS

TDE 2.0116 TRA10.7121 TC3 -.1996 BAU .4878 SGT 5025.4 SGR 306.9 SG3 82.8 ST 1705.3 SR 275.7 SS 523.9
 RDE .6429 RRA .3068 RC3 .0037 FAU-.00424 RRT .5971 RRF .5886 RTF .9863 CRT .6268 CRS -.5841 CST -.9984
 FDE .3399 FRA 2.0578 FC3 .0201 BSP 17043 SGB 5034.7 R23 -.0021 R13 .9863 LSA 1792.2 MSA 216.3 SSA 7.5
 BDE 2.1118 BRA10.7165 BC3 .1996 FSP -277 SG1 5028.7 SG2 246.0 TMA 2.09 EL1 1714.2 EL2 213.7 ALF 5.88

LAUNCH DATE JAN 3 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 7 1966

HELIOCENTRIC CONIC

DISTANCE 597.713

RL 147.10 LAL .00 LOL 102.17 VL 25.388 GAL 29.37 AZL 89.71 MCA 331.90 SMA 114.42 ECC .54997 INC .2900 V1 30.287
 RP 107.80 LAP -.14 LOP 74.07 VP 36.087 GAP 33.22 AZP 89.74 TAL 146.28 TAP 118.17 RCA 51.49 APO 177.35 V2 35.153
 RC 225.834 GL .43 GP -4.58 ZAL 33.25 ZAP 165.21 ETS 200.96 ZAE 130.42 ETE 184.65 ZAC 153.18 ETC 160.46 CLP 165.92

PLANETOCENTRIC CONIC

C3 221.711 VHL 14.890 OLA 22.22 RAL 67.14 RAD 6571.3 VEL 18.521 PTH 3.05 VHP 20.654 DPA 14.80 RAP 59.30 ECC 4.6488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 43 56 3525.16 -19.90 132.51 335.64 69.43 6 42 42 2925.2 -22.52 124.82
 90.00 0 19 11 4616.22 13.05 195.64 321.91 64.64 1 36 7 4016.2 9.52 188.73
 100.00 7 21 18 3211.26 -22.22 110.35 336.57 69.48 8 14 49 2611.3 -24.82 102.52
 100.00 1 24 31 4405.35 15.28 179.04 320.80 63.99 2 37 57 3805.4 11.66 172.12
 110.00 9 2 41 2894.05 -27.91 88.61 338.92 69.41 9 50 55 2294.1 -30.45 80.34
 110.00 1 59 37 4295.32 20.70 167.81 317.91 62.17 3 11 12 3695.3 16.81 160.84

DIFFERENTIAL CORRECTIONS

TOE 2.0632 TRA11.7843 TC3 -.0861 BAW .2558
 RDE .6587 RRA .3297 RC3 .0053 FAU-.00745
 FDE .3507 FRA 2.2389 FC3 .0291 BSP 16946
 BDE 2.1658 BRA11.7889 BC3 .0863 FSP -274

MID-COURSE EXECUTION ACCURACY

SGT 4968.8 SGR 288.6 SG3 81.6
 RRT .6056 RRF .5985 RTF .9896
 SGB 4977.1 R23 -.0026 R13 .9896
 SG1 4971.9 SG2 229.5 THA 2.02

ORBIT DETERMINATION ACCURACY

ST 1670.2 SR 256.8 SS 553.4
 CRT .6100 CRS -.5737 CST -.9989
 LSA 1766.3 MSA 204.7 SSA 6.9
 EL1 1677.7 EL2 202.6 ALF 5.44

LAUNCH DATE JAN 3 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 9 1966

HELIOCENTRIC CONIC

DISTANCE 593.709

RL 147.10 LAL .00 LOL 102.17 VL 25.370 GAL 32.97 AZL 90.13 MCA 335.12 SMA 114.33 ECC .59496 INC .1267 V1 30.287
 RP 107.77 LAP .05 LOP 77.29 VP 36.085 GAP 36.38 AZP 90.12 TAL 146.81 TAP 121.93 RCA 46.31 APO 182.35 V2 35.164
 RC 227.182 GL -.17 GP -4.53 ZAL 33.11 ZAP 163.45 ETS 198.75 ZAE 129.37 ETE 184.48 ZAC 154.41 ETC 159.38 CLP 164.06

PLANETOCENTRIC CONIC

C3 271.715 VHL 16.484 OLA 21.65 RAL 67.39 RAD 6571.6 VEL 19.825 PTH 3.13 VHP 22.529 DPA 15.20 RAP 60.66 ECC 5.4717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 18 3526.37 -19.87 132.59 337.81 69.40 6 51 5 2926.4 -22.50 124.90
 90.00 0 12 47 4670.58 14.61 198.87 323.76 65.47 1 30 37 4070.6 11.18 191.87
 100.00 7 28 43 3215.49 -22.12 110.63 338.72 69.37 8 22 18 2615.5 -24.73 102.80
 100.00 1 19 3 4456.89 16.79 182.10 322.71 64.90 2 33 20 3856.7 13.27 175.08
 110.00 9 8 30 2903.33 -27.69 89.24 341.05 69.10 9 56 53 2303.3 -30.27 81.00
 110.00 1 55 46 4341.62 22.14 170.62 319.95 63.27 3 8 7 3741.6 18.37 163.51

DIFFERENTIAL CORRECTIONS

TOE 2.1461 TRA12.9636 TC3 .0118 BAW .0492
 RDE .6749 RRA .3470 RC3 .0066 FAU-.01163
 FDE .3680 FRA 2.4457 FC3 .0371 BSP 16810
 BDE 2.2497 BRA12.9682 BC3 .0135 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 4905.2 SGR 269.0 SG3 80.5
 RRT .6102 RRF .6042 RTF .9923
 SGB 4912.5 R23 -.0031 R13 .9923
 SG1 4907.9 SG2 213.0 THA 1.92

ORBIT DETERMINATION ACCURACY

ST 1634.5 SR 237.8 SS 589.3
 CRT .5959 CRS -.5652 CST -.9992
 LSA 1743.2 MSA 192.1 SSA 6.3
 EL1 1640.7 EL2 190.2 ALF 5.02

LAUNCH DATE JAN 3 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 11 1966

HELIOCENTRIC CONIC

DISTANCE 586.935

RL 147.10 LAL .00 LOL 102.17 VL 25.358 GAL 37.18 AZL 90.67 MCA 338.35 SMA 114.27 ECC .64623 INC .6646 V1 30.287
 RP 107.74 LAP .25 LOP 80.52 VP 36.087 GAP 40.15 AZP 90.62 TAL 147.93 TAP 126.27 RCA 40.42 APO 188.11 V2 35.174
 RC 228.500 GL -.73 GP -4.46 ZAL 33.35 ZAP 161.39 ETS 196.72 ZAE 128.03 ETE 184.29 ZAC 155.37 ETC 158.40 CLP 161.92

PLANETOCENTRIC CONIC

C3 336.665 VHL 18.348 OLA 21.05 RAL 67.23 RAD 6571.9 VEL 21.400 PTH 3.21 VHP 24.744 DPA 15.53 RAP 61.73 ECC 6.5407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 3 3525.05 -19.90 132.51 339.42 69.43 6 57 48 2925.1 -22.53 124.82
 90.00 0 4 45 4722.89 16.06 202.02 325.12 66.36 1 23 28 4122.9 12.73 194.93
 100.00 7 34 34 3217.03 -22.09 110.73 340.29 69.33 8 28 11 2617.0 -24.70 102.90
 100.00 1 11 54 4506.14 18.19 185.10 324.13 65.86 2 27 0 3906.1 14.78 177.97
 110.00 9 12 47 2909.77 -27.53 89.68 342.58 68.89 10 1 17 2309.8 -30.14 81.46
 110.00 1 50 11 4386.17 23.48 173.39 321.51 64.41 3 3 17 3786.2 19.84 166.14

DIFFERENTIAL CORRECTIONS

TOE 2.2740 TRA14.2524 TC3 .0954 BAW .4308
 RDE .6917 RRA .3555 RC3 .0075 FAU-.01721
 FDE .3947 FRA 2.6825 FC3 .0443 BSP 16530
 BDE 2.3769 BRA14.2569 BC3 .0957 FSP -266

MID-COURSE EXECUTION ACCURACY

SGT 4834.1 SGR 248.1 SG3 79.5
 RRT .6089 RRF .6038 RTF .9944
 SGB 4840.5 R23 -.0035 R13 .9944
 SG1 4836.5 SG2 196.7 THA 1.79

ORBIT DETERMINATION ACCURACY

ST 1597.2 SR 218.9 SS 633.2
 CRT .5847 CRS -.5588 CST -.9995
 LSA 1722.8 MSA 178.6 SSA 5.8
 EL1 1602.4 EL2 177.0 ALF 4.64

LAUNCH DATE JAN 4 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 15 1966

HELIOCENTRIC CONIC

DISTANCE 216.161

RL 147.10 LAL .00 LOL 103.19 VL 30.321 GAL -16.22 AZL 87.24 MCA 99.99 SMA 149.94 ECC .27998 INC 2.7604 V1 30.287
 RP 107.98 LAP 2.72 LOP 203.19 VP 39.661 GAP -.55 AZP 90.48 TAL 257.50 TAP 357.49 RCA 107.96 APO 191.92 V2 35.095
 RC 76.070 GL 9.30 GP 13.18 ZAL 167.69 ZAP 82.62 ETS 355.79 ZAE 168.87 ETE 142.09 ZAC 34.30 ETC 171.53 CLP -82.42

PLANETOCENTRIC CONIC

C3 75.311 VHL 8.678 OLA -12.57 RAL 291.54 RAD 6569.5 VEL 14.024 PTH 2.56 VHP 4.715 DPA -9.34 RAP 301.08 ECC 2.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 13 2140.51 -17.70 36.85 172.31 112.47 2 8 54 1540.5 -14.51 29.63
 90.00 10 16 17 5586.64 28.22 261.20 182.19 92.41 11 49 23 4986.6 28.26 252.54
 100.00 2 48 6 1898.93 -19.20 18.42 171.65 113.36 3 19 45 1298.9 -15.88 11.20
 100.00 11 44 5 5303.44 29.85 240.44 182.26 91.76 13 12 29 4703.4 29.77 231.64
 110.00 3 41 45 1730.88 -23.14 3.73 169.71 115.89 4 10 36 1130.9 -19.47 356.52
 110.00 13 6 55 5044.27 34.18 220.84 182.34 89.97 14 30 59 4444.3 33.80 211.61

DIFFERENTIAL CORRECTIONS

TOE -.0617 TRA -.9763 TC3 -.1389 BAW .1585
 RDE -.5622 RRA .2220 RC3 .0740 FAU .10741
 FDE .1263 FRA -1.4540 FC3 -1.2347 BSP 1556
 BDE .5656 BRA 1.0012 BC3 .1574 FSP -609

MID-COURSE EXECUTION ACCURACY

SGT 704.2 SGR 420.5 SG3 203.9
 RRT -.3884 RRF -.4574 RTF .6999
 SGB 820.2 R23 -.0846 R13 -.7234
 SG1 730.1 SG2 373.7 THA 162.11

ORBIT DETERMINATION ACCURACY

ST 202.4 SR 373.9 SS 127.6
 CRT .0815 CRS .3799 CST -.8757
 LSA 377.5 MSA 232.8 SSA 18.4
 EL1 374.4 EL2 201.4 ALF 86.45

LAUNCH DATE JAN 4 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 30.260 GAL -16.03 AZL 87.33 HCA 103.20 SMA 149.32 ECC .27659 INC 2.6708 V1 30.287
 RP 108.02 LAP 2.60 LOP 206.41 VP 39.603 GAP .03 AZP 90.61 TAL 256.93 TAP .14 RCA 108.02 APO 190.62 V2 35.082
 RC 78.316 GL 9.10 GP 13.54 ZAL 167.63 ZAP 87.42 ETS 356.83 ZAE 165.88 ETE 148.16 ZAC 32.61 ETC 172.13 CLP -87.34

PLANETOCENTRIC CONIC
 C3 73.350 VHL 8.564 DLA -12.71 RAL 291.87 RAD 6569.4 VEL 13.954 PTH 2.55 VHP 4.641 OPA -9.26 RAP 299.36 ECC 2.2071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 47 2129.33 -17.41 36.16 172.22 112.69 2 11 16 1529.5 -14.19 28.96
 90.00 10 16 19 5585.50 28.23 261.12 182.12 92.37 11 49 25 4985.5 28.26 252.45
 100.00 2 50 34 1888.06 -18.91 17.75 171.55 113.59 3 22 2 1288.1 -15.55 10.56
 100.00 11 44 13 5302.00 29.85 240.33 182.18 91.70 13 12 35 4702.0 29.77 231.53
 110.00 3 44 1 1720.64 -22.84 3.09 169.60 116.15 4 12 42 1120.6 -19.14 355.91
 110.00 13 7 15 5042.19 34.18 220.68 182.25 89.88 14 31 17 4442.2 33.79 211.45

MID-COURSE EXECUTION ACCURACY
 SGT 782.0 SGR 424.0 SG3 209.8
 RRT -.4252 RRF -.4848 RTF .7357
 SGB 889.5 R23 .0886 R13 -.7547
 SG1 808.4 SG2 371.3 TMA 163.42

ORBIT DETERMINATION ACCURACY
 ST 218.6 SR 371.4 SS 127.7
 CRT .0492 CRS .3914 CST -.8850
 LSA 375.1 MSA 247.0 SSA 18.5
 EL1 371.7 EL2 218.2 ALF 87.47

DIFFERENTIAL CORRECTIONS
 TDE -.0570 TRA-1.0454 TC3 -.1809 BAU .1950
 RDE -.5508 RRA .2264 RC3 .0824 FAU .10944
 FDE .1302 FRA-1.4536 FC3-1.2917 BSP 1841
 BDE .5537 BRA 1.0696 BC3 .1988 FSP -608

LAUNCH DATE JAN 4 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 30.194 GAL -15.85 AZL 87.42 HCA 106.42 SMA 148.66 ECC .27326 INC 2.5789 V1 30.287
 RP 108.06 LAP 2.47 LOP 209.62 VP 39.542 GAP .58 AZP 90.73 TAL 256.27 TAP 2.69 RCA 108.04 APO 189.28 V2 35.069
 RC 80.581 GL 8.90 GP 13.87 ZAL 167.55 ZAP 92.06 ETS 357.90 ZAE 162.89 ETE 152.14 ZAC 31.07 ETC 172.75 CLP -92.12

PLANETOCENTRIC CONIC
 C3 71.425 VHL 8.451 DLA -12.87 RAL 292.25 RAD 6569.4 VEL 13.884 PTH 2.54 VHP 4.593 OPA -9.16 RAP 297.78 ECC 2.1755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 36 2117.82 -17.11 35.45 172.17 112.91 2 13 54 1517.8 -13.86 28.28
 90.00 10 16 30 5584.53 28.23 261.05 182.08 92.33 11 49 34 4984.5 28.25 252.38
 100.00 2 53 17 1876.87 -18.60 17.06 171.49 113.83 3 24 34 1276.9 -15.22 9.89
 100.00 11 44 30 5300.71 29.85 240.24 182.15 91.65 13 12 50 4700.7 29.76 231.43
 110.00 3 46 32 1710.12 -22.52 2.44 169.53 116.42 4 15 2 1110.1 -18.79 355.29
 110.00 13 7 44 5040.23 34.18 220.52 182.21 89.79 14 31 45 4440.2 33.78 211.30

MID-COURSE EXECUTION ACCURACY
 SGT 865.0 SGR 426.5 SG3 216.7
 RRT -.4645 RRF -.5106 RTF .7657
 SGB 964.4 R23 .0867 R13 -.7806
 SG1 892.2 SG2 366.2 TMA 164.41

ORBIT DETERMINATION ACCURACY
 ST 235.8 SR 366.1 SS 127.5
 CRT .0209 CRS .3423 CST -.9177
 LSA 369.0 MSA 263.3 SSA 18.6
 EL1 366.1 EL2 235.7 ALF 88.68

DIFFERENTIAL CORRECTIONS
 TDE -.0534 TRA-1.1156 TC3 -.2253 BAU .2324
 RDE -.5352 RRA .2321 RC3 .0921 FAU .11181
 FDE .1021 FRA-1.4672 FC3-1.3552 BSP 2150
 BDE .5379 BRA 1.1395 BC3 .2434 FSP -664

LAUNCH DATE JAN 4 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 30.124 GAL -15.66 AZL 87.52 HCA 109.63 SMA 147.95 ECC .26996 INC 2.4840 V1 30.287
 RP 108.10 LAP 2.34 LOP 212.83 VP 39.476 GAP 1.09 AZP 90.83 TAL 255.52 TAP 5.15 RCA 108.01 APO 187.89 V2 35.056
 RC 82.862 GL 8.67 GP 14.18 ZAL 167.43 ZAP 96.52 ETS 358.98 ZAE 159.97 ETE 154.91 ZAC 29.70 ETC 173.40 CLP -96.72

PLANETOCENTRIC CONIC
 C3 69.519 VHL 8.338 DLA -13.03 RAL 292.67 RAD 6569.3 VEL 13.816 PTH 2.52 VHP 4.567 OPA -9.03 RAP 296.39 ECC 2.1441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 42 2105.87 -16.79 34.71 172.17 113.14 2 16 48 1505.9 -13.52 27.57
 90.00 10 16 47 5583.72 28.23 260.99 182.10 92.30 11 49 51 4983.7 28.25 252.32
 100.00 2 56 17 1865.26 -18.28 16.34 171.48 114.07 3 27 22 1265.3 -14.87 9.21
 100.00 11 44 54 5299.56 29.85 240.15 182.16 91.61 13 13 13 4699.6 29.76 231.35
 110.00 3 49 18 1699.21 -22.19 1.77 169.51 116.69 4 17 37 1099.2 -18.43 354.66
 110.00 13 8 22 5038.37 34.18 220.38 182.22 89.70 14 32 21 4438.4 33.76 211.16

MID-COURSE EXECUTION ACCURACY
 SGT 953.4 SGR 427.9 SG3 219.9
 RRT -.4998 RRF -.5351 RTF .7872
 SGB 1045.0 R23 .0910 R13 -.7995
 SG1 980.6 SG2 361.3 TMA 165.44

ORBIT DETERMINATION ACCURACY
 ST 254.2 SR 360.5 SS 126.3
 CRT .0023 CRS .3292 CST -.9291
 LSA 363.4 MSA 279.3 SSA 18.7
 EL1 360.5 EL2 254.2 ALF 89.82

DIFFERENTIAL CORRECTIONS
 TDE -.0520 TRA-1.1874 TC3 -.2724 BAU .2699
 RDE -.5195 RRA .2349 RC3 .1007 FAU .11228
 FDE .0914 FRA-1.4454 FC3-1.3982 BSP 2464
 BDE .5221 BRA 1.2104 BC3 .2904 FSP -673

LAUNCH DATE JAN 4 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 30.049 GAL -15.47 AZL 87.61 HCA 112.84 SMA 147.21 ECC .26672 INC 2.3853 V1 30.287
 RP 108.14 LAP 2.20 LOP 216.04 VP 39.407 GAP 1.58 AZP 90.93 TAL 254.69 TAP 7.53 RCA 107.95 APO 186.47 V2 35.043
 RC 85.157 GL 8.43 GP 14.49 ZAL 167.27 ZAP 100.76 ETS .10 ZAE 157.16 ETE 156.92 ZAC 28.54 ETC 174.07 CLP -101.12

PLANETOCENTRIC CONIC
 C3 67.631 VHL 8.224 DLA -13.21 RAL 293.14 RAD 6569.3 VEL 13.747 PTH 2.51 VHP 4.562 OPA -8.88 RAP 295.20 ECC 2.1130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 45 6 2093.35 -16.45 33.95 172.20 113.37 2 19 59 1493.3 -13.15 26.83
 90.00 10 17 10 5583.16 28.23 260.95 182.15 92.28 11 50 13 4983.2 28.25 252.28
 100.00 2 59 33 1853.10 -17.94 15.60 171.51 114.32 3 30 26 1253.1 -14.51 8.49
 100.00 11 45 23 5298.64 29.85 240.08 182.21 91.57 13 13 42 4698.6 29.75 231.28
 110.00 3 52 19 1687.83 -21.84 1.07 169.52 116.97 4 20 27 1087.8 -18.05 353.99
 110.00 13 9 6 5036.68 34.18 220.24 182.26 89.62 14 33 3 4436.7 33.75 211.03

MID-COURSE EXECUTION ACCURACY
 SGT 1045.7 SGR 428.2 SG3 221.9
 RRT -.5249 RRF -.5589 RTF .8038
 SGB 1130.0 R23 .0959 R13 -.8142
 SG1 1072.7 SG2 355.3 TMA 166.34

ORBIT DETERMINATION ACCURACY
 ST 273.4 SR 353.4 SS 124.6
 CRT -.0095 CRS .3052 CST -.9407
 LSA 356.4 MSA 296.2 SSA 18.8
 EL1 353.4 EL2 273.3 ALF 91.05

DIFFERENTIAL CORRECTIONS
 TDE -.0530 TRA-1.2594 TC3 -.3217 BAU .3072
 RDE -.5018 RRA .2368 RC3 .1095 FAU .11205
 FDE .0750 FRA-1.4144 FC3-1.4344 BSP 2791
 BDE .5046 BRA 1.2815 BC3 .3398 FSP -684

LAUNCH DATE JAN 4 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 247.570

RL 147.10 LAL .00 LOL 103.19 VL 29.970 GAL -15.28 AZL 87.72 MCA 116.04 SMA 146.44 ECC .26352 INC 2.2820 V1 30.287
 RP 108.18 LAP 2.05 LOP 219.25 VP 39.335 GAP 2.04 AZP 91.00 TAL 253.79 TAP 9.83 RCA 107.85 APO 185.03 V2 35.030
 RC 87.465 GL 8.16 GP 14.80 ZAL 167.09 ZAP 104.78 ETS 1.24 ZAE 154.50 ETE 158.42 ZAC 27.58 ETC 174.77 CLP-105.30

PLANETOCENTRIC CONIC

C3 65.755 VHL 8.109 DLA -13.39 RAL 293.66 RAD 6569.2 VEL 13.679 PTH 2.50 VHP 4.573 DPA -8.68 RAP 294.21 ECC 2.0822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 48 2080.13 -16.10 33.14 172.27 113.62 2 23 28 1480.1 -12.77 26.05
 90.00 10 17 35 5582.95 28.23 260.93 182.23 92.28 11 50 38 4982.9 28.25 252.27
 100.00 3 3 8 1840.28 -17.58 14.82 171.57 114.57 3 33 48 1240.3 -14.12 7.74
 100.00 11 45 56 5298.02 29.86 240.04 182.30 91.55 13 14 14 4698.0 29.75 231.24
 110.00 3 55 38 1675.85 -21.47 .34 169.57 117.26 4 23 34 1075.8 -17.64 353.30
 110.00 13 9 55 5035.22 34.18 220.13 182.35 89.56 14 33 50 4435.2 33.74 210.91

DIFFERENTIAL CORRECTIONS

TOE -.0567 TRA-1.3311 TC3 -.3731 BAU .3440
 ROE -.4826 RRA .2375 RC3 .1182 FAU .11105
 FOE .0571 FRA-1.3728 FC3-1.4621 BSP 3128
 BOE .4859 BRA 1.3521 BC3 .3913 FSP -691

MID-COURSE EXECUTION ACCURACY

SGT 1141.2 SGR 427.5 SG3 222.3
 RRT -.5516 RRF -.5822 RTF .8164
 SGB 1218.7 R23 .1023 R13 -.8253
 SG1 1167.8 SG2 348.5 THA 167.16

ORBIT DETERMINATION ACCURACY

ST 293.4 SR 344.9 SS 122.5
 CRT -.0145 CRS .2771 CST -.9502
 LSA 348.4 MSA 313.5 SSA 18.9
 EL1 345.0 EL2 293.2 ALF 92.55

LAUNCH DATE JAN 4 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 253.725

RL 147.10 LAL .00 LOL 103.19 VL 29.888 GAL -15.08 AZL 87.83 MCA 119.24 SMA 145.65 ECC .26037 INC 2.1729 V1 30.287
 RP 108.22 LAP 1.90 LOP 222.45 VP 39.261 GAP 2.48 AZP 91.06 TAL 252.81 TAP 12.06 RCA 107.73 APO 183.58 V2 35.016
 RC 89.783 GL 7.87 GP 15.13 ZAL 166.87 ZAP 108.55 ETS 2.42 ZAE 151.99 ETE 159.52 ZAC 26.85 ETC 175.53 CLP-109.25

PLANETOCENTRIC CONIC

C3 63.889 VHL 7.993 DLA -13.60 RAL 294.22 RAD 6569.2 VEL 13.610 PTH 2.49 VHP 4.598 DPA -8.44 RAP 293.45 ECC 2.0514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 51 2086.03 -15.71 32.29 172.37 113.87 2 27 17 1466.0 -12.35 25.22
 90.00 10 18 0 5583.21 28.23 260.95 182.36 92.29 11 51 3 4983.2 28.25 252.29
 100.00 3 7 3 1826.63 -17.19 13.99 171.67 114.84 3 37 29 1226.6 -13.70 6.94
 100.00 11 46 29 5297.84 29.86 240.02 182.42 91.54 13 14 47 4697.8 29.75 231.22
 110.00 3 59 15 1663.13 -21.07 359.57 169.65 117.56 4 26 58 1063.1 -17.21 352.56
 110.00 13 10 46 5034.11 34.18 220.04 182.47 89.50 14 34 40 4434.1 33.73 210.83

DIFFERENTIAL CORRECTIONS

TOE -.0632 TRA-1.4015 TC3 -.4263 BAU .3800
 ROE -.4619 RRA .2371 RC3 .1270 FAU .10936
 FOE .0380 FRA-1.3216 FC3-1.4819 BSP 3470
 BOE .4662 BRA 1.4214 BC3 .4448 FSP -692

MID-COURSE EXECUTION ACCURACY

SGT 1238.9 SGR 425.9 SG3 221.3
 RRT -.5764 RRF -.6054 RTF .8257
 SGB 1310.0 R23 .1105 R13 -.8335
 SG1 1264.9 SG2 340.9 THA 167.90

ORBIT DETERMINATION ACCURACY

ST 314.0 SR 335.2 SS 120.0
 CRT -.0132 CRS .2447 CST -.9579
 LSA 342.4 MSA 328.3 SSA 19.0
 EL1 335.5 EL2 313.8 ALF 95.72

LAUNCH DATE JAN 4 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 259.844

RL 147.10 LAL .00 LOL 103.19 VL 29.804 GAL -14.88 AZL 87.94 MCA 122.44 SMA 144.85 ECC .25727 INC 2.0568 V1 30.287
 RP 108.26 LAP 1.74 LOP 225.65 VP 39.185 GAP 2.90 AZP 91.10 TAL 251.78 TAP 14.23 RCA 107.59 APO 182.12 V2 35.003
 RC 92.112 GL 7.54 GP 15.49 ZAL 166.61 ZAP 112.09 ETS 3.65 ZAE 149.65 ETE 160.33 ZAC 26.34 ETC 176.34 CLP-112.97

PLANETOCENTRIC CONIC

C3 62.030 VHL 7.876 DLA -13.83 RAL 294.82 RAD 6569.2 VEL 13.542 PTH 2.48 VHP 4.636 DPA -8.14 RAP 292.90 ECC 2.0208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 17 2050.87 -15.29 31.37 172.50 114.13 2 31 28 1450.9 -11.90 24.33
 90.00 10 18 22 5584.11 28.23 261.02 182.52 92.32 11 51 26 4984.1 28.25 252.35
 100.00 3 11 20 1811.98 -16.77 13.11 171.80 115.11 3 41 32 1212.0 -13.25 6.09
 100.00 11 47 1 5298.24 29.86 240.05 182.59 91.56 13 15 19 4698.2 29.75 231.25
 110.00 4 3 12 1649.52 -20.64 358.75 169.76 117.87 4 30 41 1049.5 -16.75 351.78
 110.00 13 11 38 5033.45 34.18 219.99 182.63 89.47 14 35 32 4433.5 33.73 210.78

DIFFERENTIAL CORRECTIONS

TOE -.0723 TRA-1.4695 TC3 -.4812 BAU .4146
 ROE -.4401 RRA .2353 RC3 .1359 FAU .10700
 FOE .0216 FRA-1.2605 FC3-1.4934 BSP 3802
 BOE .4460 BRA 1.4882 BC3 .5000 FSP -683

MID-COURSE EXECUTION ACCURACY

SGT 1337.7 SGR 423.6 SG3 219.0
 RRT -.5992 RRF -.6287 RTF .8322
 SGB 1403.1 R23 .1213 R13 -.8392
 SG1 1363.1 SG2 332.8 THA 168.57

ORBIT DETERMINATION ACCURACY

ST 335.2 SR 324.6 SS 117.1
 CRT -.0071 CRS .2156 CST -.9626
 LSA 354.6 MSA 324.5 SSA 19.1
 EL1 335.3 EL2 324.4 ALF 173.80

LAUNCH DATE JAN 4 1966

FLIGHT TIME 86.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 265.929

RL 147.10 LAL .00 LOL 103.19 VL 29.717 GAL -14.68 AZL 88.07 MCA 125.64 SMA 144.04 ECC .25423 INC 1.9322 V1 30.287
 RP 108.31 LAP 1.57 LOP 228.85 VP 39.107 GAP 3.29 AZP 91.13 TAL 250.69 TAP 16.33 RCA 107.42 APO 180.66 V2 34.990
 RC 94.449 GL 7.18 GP 15.90 ZAL 166.32 ZAP 115.39 ETS 4.94 ZAE 147.46 ETE 160.89 ZAC 26.05 ETC 177.22 CLP-116.47

PLANETOCENTRIC CONIC

C3 60.177 VHL 7.757 DLA -14.09 RAL 295.47 RAD 6569.1 VEL 13.473 PTH 2.46 VHP 4.684 DPA -7.77 RAP 292.57 ECC 1.9904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 11 2034.39 -14.83 30.38 172.67 114.40 2 36 5 1434.4 -11.41 23.37
 90.00 10 18 38 5585.87 28.22 261.15 182.72 92.38 11 51 44 4985.9 28.26 252.48
 100.00 3 16 3 1796.07 -16.31 12.15 171.96 115.41 3 45 59 1196.1 -12.75 5.16
 100.00 11 47 27 5299.42 29.85 240.14 182.79 91.60 13 15 47 4699.4 29.76 231.34
 110.00 4 7 31 1634.82 -20.17 357.87 169.90 118.20 4 34 46 1034.8 -16.24 350.94
 110.00 13 12 28 5033.44 34.18 219.99 182.84 89.47 14 36 21 4433.4 33.73 210.78

DIFFERENTIAL CORRECTIONS

TOE -.0854 TRA-1.5355 TC3 -.5383 BAU .4486
 ROE -.4166 RRA .2328 RC3 .1454 FAU .10442
 FOE -.0004 FRA-1.1984 FC3-1.5022 BSP 4152
 BOE .4253 BRA 1.5530 BC3 .5576 FSP -678

MID-COURSE EXECUTION ACCURACY

SGT 1438.3 SGR 420.7 SG3 216.3
 RRT -.6219 RRF -.6529 RTF .8371
 SGB 1498.6 R23 .1333 R13 -.8435
 SG1 1463.2 SG2 323.9 THA 169.15

ORBIT DETERMINATION ACCURACY

ST 357.3 SR 312.3 SS 114.4
 CRT .0033 CRS .1693 CST -.9688
 LSA 374.2 MSA 312.9 SSA 19.2
 EL1 357.3 EL2 312.3 ALF 1.12

LAUNCH DATE JAN 4 1966

FLIGHT TIME 88.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 271.981

RL 147.10 LAL .00 LOL 103.19 VL 29.628 GAL -14.47 AZL 88.20 HCA 128.84 SMA 143.22 ECC .25125 INC 1.7974 V1 30.287
 RP 108.35 LAP 1.40 LOP 232.04 VP 39.028 GAP 3.66 AZP 91.13 TAL 249.54 TAP 18.38 RCA 107.24 APO 179.20 V2 34.977
 RC 96.794 GL 6.77 GP 16.36 ZAL 166.00 ZAP 118.44 ETS 6.31 ZAE 145.43 ETE 161.24 ZAC 25.96 ETC 178.18 CLP-119.76

PLANETOCENTRIC CONIC

C3 58.332 VHL 7.638 DLA -14.39 RAL 296.16 RAD 6569.1 VEL 13.405 PTH 2.45 VHP 4.742 DPA -7.32 RAP 292.43 ECC 1.9600
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 37 2016.28 -14.32 29.30 172.87 114.69 2 41 13 1416.3 -10.87 22.32
 90.00 10 18 43 5588.79 28.22 261.36 182.97 92.49 11 51 52 4988.8 28.26 252.69
 100.00 3 21 16 1778.64 -15.79 11.11 172.15 115.71 3 50 54 1178.6 -12.21 4.16
 100.00 11 47 45 5301.66 29.85 240.31 183.04 91.69 13 16 6 4701.7 29.76 231.50
 110.00 4 12 18 1618.78 -19.65 356.91 170.08 118.55 4 39 17 1018.8 -15.68 350.03
 110.00 13 13 12 5034.28 34.18 220.06 183.09 89.51 14 37 6 4434.3 33.73 210.84

DIFFERENTIAL CORRECTIONS

TDE -.1024 TRA-1.5984 TC3 -.5976 BAU .4816 SGT 1540.0 SGR 417.6 SG3 212.8 ST 380.2 SR 298.8 SS 111.7
 RDE -.3918 RRA .2294 RC3 .1555 FAU .10192 RRT -.6440 RRF -.6780 RTF .8406 CRT .0228 CRS .1145 CST -.9741
 FDE -.0235 FRA-1.1330 FC3-1.5067 BSP 4503 SGB 1595.7 R23 .1478 R13 -.8465 LSA 395.6 MSA 299.1 SSA 19.3
 BDE .4050 BRA 1.6148 BC3 .6175 FSP -670 SGI 1564.4 SG2 314.5 TMA 169.67 EL1 380.4 EL2 298.6 ALF 2.68

LAUNCH DATE JAN 4 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 278.004

RL 147.10 LAL .00 LOL 103.19 VL 29.538 GAL -14.26 AZL 88.35 HCA 132.03 SMA 142.40 ECC .24834 INC 1.6500 V1 30.287
 RP 108.39 LAP 1.23 LOP 235.23 VP 38.948 GAP 4.01 AZP 91.10 TAL 248.35 TAP 20.38 RCA 107.04 APO 177.76 V2 34.964
 RC 99.145 GL 6.30 GP 16.89 ZAL 165.64 ZAP 121.27 ETS 7.78 ZAE 143.54 ETE 161.40 ZAC 26.08 ETC 179.24 CLP-122.85

PLANETOCENTRIC CONIC

C3 56.494 VHL 7.516 DLA -14.74 RAL 296.90 RAD 6569.0 VEL 13.336 PTH 2.44 VHP 4.807 DPA -6.78 RAP 292.47 ECC 1.9297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 41 1996.14 -13.74 28.10 173.11 115.01 2 46 57 1396.1 -10.26 21.16
 90.00 10 18 31 5593.23 28.20 261.68 183.26 92.65 11 51 44 4993.2 28.27 253.02
 100.00 3 27 6 1759.30 -15.22 9.96 172.38 116.04 3 56 25 1159.3 -11.60 3.05
 100.00 11 47 48 5305.30 29.84 240.58 183.34 91.83 13 16 13 4705.3 29.78 231.77
 110.00 4 17 36 1601.09 -19.07 355.87 170.29 118.92 4 44 17 1001.1 -15.07 349.04
 110.00 13 13 47 5036.27 34.18 220.21 183.40 89.61 14 37 43 4436.3 33.75 211.00

DIFFERENTIAL CORRECTIONS

TDE -.1237 TRA-1.6577 TC3 -.6594 BAU .5136 SGT 1642.8 SGR 414.5 SG3 208.9 ST 404.3 SR 284.0 SS 109.5
 RDE -.3658 RRA .2249 RC3 .1665 FAU .09843 RRT -.6659 RRF -.7043 RTF .8429 CRT .0454 CRS .0479 CST -.9786
 FDE -.0486 FRA-1.0658 FC3-1.5084 BSP 4859 SGB 1694.3 R23 .1648 R13 -.8486 LSA 418.6 MSA 283.7 SSA 19.4
 BDE .3862 BRA 1.6729 BC3 .6801 FSP -661 SGI 1666.6 SG2 304.8 TMA 170.13 EL1 404.7 EL2 283.4 ALF 3.59

LAUNCH DATE JAN 4 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 284.000

RL 147.10 LAL .00 LOL 103.19 VL 29.446 GAL -14.04 AZL 88.51 HCA 135.22 SMA 141.58 ECC .24549 INC 1.4872 V1 30.287
 RP 108.43 LAP 1.05 LOP 238.42 VP 38.867 GAP 4.35 AZP 91.06 TAL 247.11 TAP 22.33 RCA 106.82 APO 176.34 V2 34.951
 RC 101.502 GL 5.75 GP 17.52 ZAL 165.25 ZAP 123.85 ETS 9.39 ZAE 141.78 ETE 161.38 ZAC 26.39 ETC 180.40 CLP-125.74

PLANETOCENTRIC CONIC

C3 54.664 VHL 7.394 DLA -15.15 RAL 297.69 RAD 6569.0 VEL 13.267 PTH 2.42 VHP 4.880 DPA -6.12 RAP 292.69 ECC 1.8996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 34 1973.46 -13.08 26.76 173.40 115.34 2 53 27 1373.5 -9.56 19.85
 90.00 10 17 56 5599.70 28.18 262.16 183.61 92.89 11 51 15 4999.7 28.28 253.49
 100.00 3 33 40 1737.59 -14.57 8.68 172.66 116.39 4 2 37 1137.6 -10.90 1.80
 100.00 11 47 31 5310.80 29.83 240.99 183.70 92.05 13 16 1 4710.8 29.79 232.18
 110.00 4 23 32 1581.36 -18.42 354.71 170.54 119.32 4 49 54 981.4 -14.37 347.93
 110.00 13 14 7 5039.79 34.18 220.49 183.78 89.77 14 38 7 4439.8 33.77 211.27

DIFFERENTIAL CORRECTIONS

TDE -.1490 TRA-1.7117 TC3 -.7230 BAU .5442 SGT 1745.0 SGR 411.4 SG3 204.2 ST 429.3 SR 268.1 SS 107.3
 RDE -.3391 RRA .2189 RC3 .1780 FAU .09496 RRT -.6863 RRF -.7313 RTF .8438 CRT .0723 CRS -.0211 CST -.9809
 FDE -.0716 FRA -.9930 FC3-1.5040 BSP 5194 SGB 1792.8 R23 .1857 R13 -.8493 LSA 442.7 MSA 267.1 SSA 19.6
 BDE .3704 BRA 1.7256 BC3 .7446 FSP -643 SGI 1768.3 SG2 295.3 TMA 170.54 EL1 430.0 EL2 267.0 ALF 4.22

LAUNCH DATE JAN 4 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 289.970

RL 147.10 LAL .00 LOL 103.19 VL 29.354 GAL -13.81 AZL 88.69 HCA 138.41 SMA 140.76 ECC .24272 INC 1.3049 V1 30.287
 RP 108.46 LAP .87 LOP 241.60 VP 38.786 GAP 4.66 AZP 90.98 TAL 245.82 TAP 24.23 RCA 106.60 APO 174.93 V2 34.939
 RC 103.862 GL 5.12 GP 18.27 ZAL 164.82 ZAP 126.21 ETS 11.15 ZAE 140.12 ETE 161.18 ZAC 26.89 ETC 181.69 CLP-128.47

PLANETOCENTRIC CONIC

C3 52.847 VHL 7.270 DLA -15.64 RAL 298.53 RAD 6568.9 VEL 13.199 PTH 2.41 VHP 4.961 DPA -5.33 RAP 293.05 ECC 1.8697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 26 1947.53 -12.32 25.24 173.74 115.70 3 0 54 1347.5 -8.76 18.36
 90.00 10 16 46 5608.90 28.15 262.83 184.03 93.22 11 50 15 5008.9 28.30 254.16
 100.00 3 41 10 1712.86 -13.81 7.23 172.99 116.78 4 9 43 1112.9 -10.11 .40
 100.00 11 46 43 5318.81 29.81 241.58 184.13 92.36 13 15 22 4718.8 29.82 232.78
 110.00 4 30 16 1559.06 -17.67 353.41 170.84 119.75 4 56 15 959.1 -13.58 346.69
 110.00 13 14 7 5045.37 34.18 220.92 184.23 90.03 14 38 12 4445.4 33.81 211.70

DIFFERENTIAL CORRECTIONS

TDE -.1807 TRA-1.7612 TC3 -.7900 BAU .5743 SGT 1848.6 SGR 409.0 SG3 199.5 ST 456.6 SR 250.5 SS 106.7
 RDE -.3107 RRA .2122 RC3 .1911 FAU .09155 RRT -.7069 RRF -.7597 RTF .8445 CRT .1035 CRS -.1137 CST -.9818
 FDE -.1007 FRA -.9229 FC3-1.4998 BSP 5546 SGB 1893.3 R23 .2094 R13 -.8499 LSA 469.5 MSA 248.5 SSA 19.7
 BDE .3594 BRA 1.7739 BC3 .8128 FSP -630 SGI 1871.7 SG2 285.7 TMA 170.90 EL1 457.7 EL2 248.5 ALF 4.70

LAUNCH DATE JAN 4 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 295.916

RL 147.10 LAL .00 LOL 103.19 VL 29.261 GAL -13.58 AZL 88.90 MCA 141.59 SMA 139.96 ECC .24003 INC 1.0986 V1 30.287
 RP 108.50 LAP .68 LOP 244.79 VP 38.705 GAP 4.96 AZP 90.86 TAL 244.49 TAP 26.09 RCA 106.36 APO 173.55 V2 34.926
 RC 106.225 GL 4.38 GP 19.17 ZAL 164.34 ZAP 128.32 ETS 13.12 ZAE 138.55 ETE 160.81 ZAC 27.56 ETC 183.13 CLP-131.03

PLANETOCENTRIC CONIC

C3 51.045 VHL 7.145 DLA -16.23 RAL 299.43 RAD 6568.9 VEL 13.130 PTH 2.40 VHP 5.050 DPA -4.37 RAP 293.54 ECC 1.8401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 37 36 1917.42 -11.43 23.48 174.15 116.09 3 9 33 1317.4 -7.83 16.65
 90.00 10 14 49 5621.79 28.10 263.77 184.54 93.69 11 48 30 5021.8 28.31 255.11
 100.00 3 49 52 1684.25 -12.93 5.57 173.38 117.19 4 17 56 1084.2 -9.18 358.78
 100.00 11 45 14 5330.19 29.77 242.43 184.64 92.80 13 14 4 4730.2 29.84 233.62
 110.00 4 38 0 1533.48 -16.80 351.94 171.19 120.22 5 3 33 933.5 -12.66 345.28
 110.00 13 13 36 5053.73 34.18 221.58 184.79 90.41 14 37 49 4453.7 33.86 212.35

DIFFERENTIAL CORRECTIONS

TDE -.2196 TRA-1.8048 TC3 -.8604 BAU .6037
 RDE -.2810 RRA .2041 RC3 .2056 FAU .08804
 FDE -.1332 FRA -.8524 FC3-1.4931 BSP 5907
 BDE .3566 BRA 1.8163 BC3 .8847 FSP -617

MID-COURSE EXECUTION ACCURACY

SGT 1953.2 SGR 407.7 SG3 194.6
 RRT -.7267 RRF -.7890 RTF .8447
 SGB 1995.3 R23 .2366 R13 -.8501
 SG1 1976.0 SG2 276.8 THA 171.20

ORBIT DETERMINATION ACCURACY

ST 486.7 SR 231.2 SS 107.9
 CRT .1442 CRS -.2200 CST -.9786
 LSA 499.5 MSA 228.2 SSA 20.0
 EL1 488.2 EL2 228.1 ALF 5.02

LAUNCH DATE JAN 4 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 301.840

RL 147.10 LAL .00 LOL 103.19 VL 29.168 GAL -13.35 AZL 89.14 MCA 144.78 SMA 139.16 ECC .23742 INC .8612 V1 30.287
 RP 108.54 LAP .50 LOP 247.97 VP 38.623 GAP 5.25 AZP 90.70 TAL 243.13 TAP 27.91 RCA 106.12 APO 172.19 V2 34.914
 RC 108.588 GL 3.48 GP 20.24 ZAL 163.80 ZAP 130.18 ETS 15.34 ZAE 137.03 ETE 160.24 ZAC 28.41 ETC 184.74 CLP-133.44

PLANETOCENTRIC CONIC

C3 49.265 VHL 7.019 DLA -16.95 RAL 300.41 RAD 6568.8 VEL 13.062 PTH 2.38 VHP 5.147 DPA -3.21 RAP 294.13 ECC 1.8108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 48 28 1881.75 -10.35 21.41 174.66 116.50 3 19 50 1281.8 -6.71 14.62
 90.00 10 11 43 5639.77 28.01 265.07 185.14 94.34 11 45 43 5039.8 28.32 256.42
 100.00 4 0 8 1650.53 -11.87 3.62 173.87 117.64 4 27 38 1050.5 -8.08 356.88
 100.00 11 42 45 5346.22 29.71 243.61 185.28 93.43 13 11 51 4746.2 29.87 234.81
 110.00 4 47 1 1503.64 -15.77 350.24 171.63 120.73 5 12 5 903.6 -11.57 343.64
 110.00 13 12 21 5065.88 34.17 222.53 185.48 90.97 14 36 47 4465.9 33.93 213.29

DIFFERENTIAL CORRECTIONS

TDE -.2659 TRA-1.8401 TC3 -.9334 BAU .6319
 RDE -.2503 RRA .1939 RC3 .2215 FAU .08425
 FDE -.1663 FRA -.7776 FC3-1.4805 BSP 6241
 BDE .3651 BRA 1.8503 BC3 .9594 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 2056.7 SGR 407.2 SG3 188.9
 RRT -.7439 RRF -.8183 RTF .8441
 SGB 2096.6 R23 .2684 R13 -.8495
 SG1 2079.2 SG2 269.2 THA 171.48

ORBIT DETERMINATION ACCURACY

ST 520.2 SR 210.5 SS 110.7
 CRT .1880 CRS -.3296 CST -.9709
 LSA 533.0 MSA 206.4 SSA 20.2
 EL1 521.9 EL2 206.0 ALF 5.16

LAUNCH DATE JAN 4 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 307.744

RL 147.10 LAL .00 LOL 103.19 VL 29.074 GAL -13.10 AZL 89.42 MCA 147.96 SMA 138.37 ECC .23490 INC .5833 V1 30.287
 RP 108.58 LAP .31 LOP 251.15 VP 38.542 GAP 5.52 AZP 90.49 TAL 241.73 TAP 29.69 RCA 105.86 APO 170.87 V2 34.903
 RC 110.951 GL 2.40 GP 21.55 ZAL 163.20 ZAP 131.76 ETS 17.86 ZAE 135.54 ETE 159.47 ZAC 29.43 ETC 186.55 CLP-135.73

PLANETOCENTRIC CONIC

C3 47.518 VHL 6.893 DLA -17.85 RAL 301.47 RAD 6568.8 VEL 12.995 PTH 2.37 VHP 5.257 DPA -1.81 RAP 294.79 ECC 1.7820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 1 41 1838.53 -9.03 18.92 175.31 116.95 3 32 20 1238.5 -5.34 12.18
 90.00 10 6 59 5664.93 27.87 266.90 185.89 95.25 11 41 24 5064.9 28.30 258.26
 100.00 4 12 32 1609.95 -10.58 1.30 174.49 118.12 4 39 22 1009.9 -6.74 354.62
 100.00 11 38 49 5368.77 29.61 245.28 186.05 94.30 13 8 18 4768.8 29.89 236.49
 110.00 4 57 47 1468.14 -14.52 348.24 172.19 121.29 5 22 15 868.1 -10.27 341.72
 110.00 13 10 3 5083.32 34.14 223.89 186.34 91.78 14 34 47 4483.3 34.01 214.64

DIFFERENTIAL CORRECTIONS

TDE -.3240 TRA-1.8677 TC3-1.0109 BAU .6600
 RDE -.2174 RRA .1824 RC3 .2399 FAU .08047
 FDE -.2076 FRA -.7052 FC3-1.4661 BSP 6603
 BDE .3902 BRA 1.8766 BC3 1.0389 FSP -581

MID-COURSE EXECUTION ACCURACY

SGT 2162.1 SGR 409.1 SG3 183.2
 RRT -.7597 RRF -.8478 RTF .8438
 SGB 2200.4 R23 .3031 R13 -.8493
 SG1 2184.6 SG2 263.3 THA 171.70

ORBIT DETERMINATION ACCURACY

ST 560.0 SR 187.1 SS 118.1
 CRT .2373 CRS -.4470 CST -.9574
 LSA 573.4 MSA 182.6 SSA 20.6
 EL1 562.0 EL2 181.2 ALF 5.06

LAUNCH DATE JAN 4 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 313.629

RL 147.10 LAL .00 LOL 103.19 VL 28.981 GAL -12.86 AZL 89.75 MCA 151.13 SMA 137.59 ECC .23247 INC .2514 V1 30.287
 RP 108.61 LAP .12 LOP 254.32 VP 38.462 GAP 5.78 AZP 90.22 TAL 240.30 TAP 31.43 RCA 105.60 APO 169.57 V2 34.892
 RC 113.313 GL 1.05 GP 23.16 ZAL 162.49 ZAP 133.02 ETS 20.75 ZAE 134.02 ETE 158.47 ZAC 30.63 ETC 188.63 CLP-137.91

PLANETOCENTRIC CONIC

C3 45.820 VHL 6.769 DLA -18.98 RAL 302.64 RAD 6568.7 VEL 12.930 PTH 2.36 VHP 5.382 DPA -.09 RAP 295.50 ECC 1.7541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 16 1784.62 -7.35 15.85 176.17 117.42 3 48 0 1184.6 -3.62 9.16
 90.00 9 59 46 5700.60 27.62 269.48 186.81 96.52 11 34 46 5100.6 28.23 260.87
 100.00 4 27 57 1559.68 -8.95 358.46 175.30 118.64 4 53 57 959.7 -5.06 351.83
 100.00 11 32 44 5400.76 29.42 247.64 187.02 95.53 13 2 45 4800.8 29.88 238.87
 110.00 5 10 58 1424.91 -12.98 345.84 172.91 121.90 5 34 43 824.9 -8.67 359.40
 110.00 13 6 13 5108.30 34.07 225.83 187.43 92.93 14 31 21 4508.3 34.10 216.59

DIFFERENTIAL CORRECTIONS

TDE -.3965 TRA-1.8845 TC3-1.0919 BAU .6876
 RDE -.1822 RRA .1683 RC3 .2605 FAU .07649
 FDE -.2554 FRA -.6310 FC3-1.4453 BSP 6966
 BDE .4363 BRA 1.8920 BC3 1.1225 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 2267.9 SGR 413.4 SG3 176.9
 RRT -.7720 RRF -.8764 RTF .8435
 SGB 2305.2 R23 .3406 R13 -.8491
 SG1 2290.5 SG2 260.1 THA 171.88

ORBIT DETERMINATION ACCURACY

ST 608.8 SR 161.0 SS 130.6
 CRT .2897 CRS -.5539 CST -.9409
 LSA 623.2 MSA 157.7 SSA 21.0
 EL1 610.7 EL2 153.6 ALF 4.68

LAUNCH DATE JAN 4 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 319.496

RL 147.10 LAL .00 LOL 103.19 VL 28.888 GAL -12.60 AZL 90.15 MCA 154.31 SMA 136.82 ECC .23013 INC .1531 V1 30.287
 RP 108.64 LAP -.07 LOP 257.50 VP 38.382 GAP 6.02 AZP 89.86 TAL 238.83 TAP 33.14 RCA 105.34 APO 168.31 V2 34.881
 RC 115.673 GL -.65 GP 25.16 ZAL 161.61 ZAP 133.90 ETS 24.10 ZAE 132.41 ETE 157.20 ZAC 32.03 ETC 191.05 CLP-140.01

PLANETOCENTRIC CONIC

C3 44.202 VHL 6.648 DLA -20.45 RAL 303.96 RAD 6568.7 VEL 12.867 PTH 2.34 VHP 5.531 DPA 2.03 RAP 296.20 ECC 1.7275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 57 1714.68 -5.14 11.90 177.36 117.88 4 8 32 1114.7 -1.37 5.25
 90.00 9 48 35 5752.46 27.16 273.21 187.95 98.33 11 24 28 5152.5 28.03 264.65
 100.00 4 47 56 1495.30 -6.83 354.85 176.44 119.17 5 12 51 895.3 -2.89 348.28
 100.00 11 23 18 5447.07 29.07 251.04 188.25 97.28 12 54 5 4847.1 29.77 242.31
 110.00 5 27 41 1370.70 -11.01 342.88 173.91 122.57 5 50 32 770.7 -6.64 336.52
 110.00 13 0 2 5144.44 33.91 228.65 188.84 94.59 14 25 46 4544.4 34.17 219.41

DIFFERENTIAL CORRECTIONS

TDE -.4889 TRA-1.8881 TC3-1.1761 BAU .7150
 RDE -.1437 RRA .1511 RC3 .2839 FAU .07225
 FDE -.3117 FRA -.5547 FC3-1.4150 BSP 7336
 BDE .5096 BRA 1.8942 BC3 1.2099 FSP -544

MID-COURSE EXECUTION ACCURACY

SGT 2374.7 SGR 420.9 SG3 170.0
 RRT -.7799 RRF -.9030 RTF .8435
 SGB 2411.7 R23 .3788 R13 -.8493
 SG1 2397.6 SG2 261.0 TMA 172.04

ORBIT DETERMINATION ACCURACY

ST 671.7 SR 131.2 SS 150.2
 CRT .3398 CRS -.6368 CST -.9265
 LSA 687.7 MSA 132.6 SSA 21.3
 EL1 673.2 EL2 123.1 ALF 3.93

LAUNCH DATE JAN 4 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 325.346

RL 147.10 LAL .00 LOL 103.19 VL 28.795 GAL -12.34 AZL 90.66 MCA 157.48 SMA 136.07 ECC .22788 INC .6639 V1 30.287
 RP 108.68 LAP -.25 LOP 260.67 VP 38.302 GAP 6.26 AZP 89.39 TAL 237.34 TAP 34.82 RCA 105.06 APO 167.08 V2 34.870
 RC 118.029 GL -2.86 GP 27.69 ZAL 160.48 ZAP 134.29 ETS 28.00 ZAE 130.61 ETE 155.62 ZAC 33.68 ETC 193.90 CLP-142.05

PLANETOCENTRIC CONIC

C3 42.722 VHL 6.536 DLA -22.39 RAL 305.48 RAD 6568.6 VEL 12.810 PTH 2.33 VHP 5.714 DPA 4.67 RAP 296.84 ECC 1.7031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 15 1618.37 -2.05 6.51 179.16 118.25 4 37 13 1018.4 1.74 359.88
 90.00 9 30 28 5831.63 26.26 278.83 189.35 101.01 11 7 39 5231.6 27.51 270.38
 100.00 5 15 17 1408.47 -3.93 350.04 178.12 119.66 5 38 45 808.5 .05 343.51
 100.00 11 8 7 5516.75 28.36 256.10 189.79 99.85 12 40 3 4916.8 29.43 247.46
 110.00 5 49 53 1300.02 -8.39 339.08 175.37 123.26 6 11 33 700.0 -3.96 332.79
 110.00 12 50 0 5197.97 33.54 232.78 190.69 97.01 14 16 38 4598.0 34.15 223.59

DIFFERENTIAL CORRECTIONS

TDE -.6078 TRA-1.8718 TC3-1.2597 BAU .7408
 RDE -.1013 RRA .1285 RC3 .3091 FAU .06741
 FDE -.3755 FRA -.4715 FC3-1.3661 BSP 7662
 BDE .6162 BRA 1.8762 BC3 1.2971 FSP -515

MID-COURSE EXECUTION ACCURACY

SGT 2478.9 SGR 431.3 SG3 161.6
 RRT -.7804 RRF -.9260 RTF .8433
 SGB 2516.1 R23 .4159 R13 -.8495
 SG1 2501.9 SG2 267.2 TMA 172.18

ORBIT DETERMINATION ACCURACY

ST 754.8 SR 96.8 SS 177.5
 CRT .3731 CRS -.6806 CST -.9193
 LSA 773.3 MSA 110.2 SSA 21.2
 EL1 755.7 EL2 89.7 ALF 2.78

LAUNCH DATE JAN 4 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 331.179

RL 147.10 LAL .00 LOL 103.19 VL 28.703 GAL -12.07 AZL 91.33 MCA 160.65 SMA 135.34 ECC .22572 INC 1.3323 V1 30.287
 RP 108.71 LAP -.44 LOP 263.84 VP 38.224 GAP 6.48 AZP 88.74 TAL 235.82 TAP 36.46 RCA 104.79 APO 165.89 V2 34.860
 RC 120.382 GL -5.81 GP 30.93 ZAL 158.88 ZAP 134.01 ETS 32.56 ZAE 128.49 ETE 153.70 ZAC 35.64 ETC 197.31 CLP-144.09

PLANETOCENTRIC CONIC

C3 41.500 VHL 6.442 DLA -25.02 RAL 307.32 RAD 6568.6 VEL 12.762 PTH 2.32 VHP 5.956 DPA 8.03 RAP 297.32 ECC 1.6830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 5 1469.20 2.76 358.19 182.21 118.19 5 22 34 869.2 6.51 351.51
 90.00 8 57 18 678.12 24.17 310.22 190.90 105.22 9 8 36 78.1 26.03 302.04
 100.00 5 56 33 1280.44 .41 343.01 180.90 119.89 6 17 53 680.4 4.38 336.48
 100.00 10 41 31 5630.15 26.78 264.15 191.65 103.81 12 15 21 5030.1 28.41 255.73
 110.00 6 21 25 1202.43 -4.72 333.91 177.71 123.90 6 41 27 602.4 -.23 327.70
 110.00 12 33 8 5280.93 32.68 239.10 193.12 100.65 14 1 9 4680.9 33.80 230.04

DIFFERENTIAL CORRECTIONS

TDE -.7721 TRA-1.8325 TC3-1.3409 BAU .7670
 RDE -.0511 RRA .0999 RC3 .3365 FAU .06208
 FDE -.4365 FRA -.3867 FC3-1.2951 BSP 8039
 BDE .7738 BRA 1.8332 BC3 1.3825 FSP -487

MID-COURSE EXECUTION ACCURACY

SGT 2586.7 SGR 446.8 SG3 152.0
 RRT -.7737 RRF -.9445 RTF .8450
 SGB 2625.0 R23 .4465 R13 -.8516
 SG1 2610.0 SG2 280.6 TMA 172.30

ORBIT DETERMINATION ACCURACY

ST 874.9 SR 55.6 SS 218.5
 CRT .3007 CRS -.6109 CST -.9229
 LSA 898.2 MSA 95.6 SSA 19.1
 EL1 875.0 EL2 53.1 ALF 1.10

LAUNCH DATE JAN 4 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 336.996

RL 147.10 LAL .00 LOL 103.19 VL 28.611 GAL -11.80 AZL 92.25 MCA 163.81 SMA 134.62 ECC .22366 INC 2.2492 V1 30.287
 RP 108.74 LAP -.63 LOP 267.01 VP 38.147 GAP 6.69 AZP 87.84 TAL 234.27 TAP 38.07 RCA 104.51 APO 164.72 V2 34.851
 RC 122.731 GL -9.91 GP 35.18 ZAL 156.46 ZAP 132.79 ETS 37.85 ZAE 125.79 ETE 151.43 ZAC 38.07 ETC 201.48 CLP-146.22

PLANETOCENTRIC CONIC

C3 40.802 VHL 6.388 DLA -28.70 RAL 309.68 RAD 6568.6 VEL 12.735 PTH 2.32 VHP 6.298 DPA 12.37 RAP 297.49 ECC 1.6715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.09 6 26 7 1202.06 15.18 345.00 189.97 114.66 6 46 9 602.1 18.38 337.75
 94.91 7 48 5 936.69 15.19 325.56 189.98 114.65 8 3 42 336.7 18.39 318.32
 100.00 7 17 46 1034.42 8.65 329.40 186.62 118.73 7 35 0 434.4 12.42 322.64
 100.00 9 39 8 5867.60 21.93 280.10 192.95 110.84 11 16 56 5267.6 24.57 272.30
 110.00 7 12 1 1052.51 1.00 326.08 181.93 124.17 7 29 33 452.5 5.48 319.86
 110.00 12 1 22 5422.28 30.42 249.49 196.14 106.41 13 31 45 4822.3 32.36 240.81

DIFFERENTIAL CORRECTIONS

TDE-1.0073 TRA-1.7548 TC3-1.4060 BAU .7919
 RDE .0106 RRA .0604 RC3 .3618 FAU .05579
 FDE -.5550 FRA -.2951 FC3-1.1838 BSP 8414
 BDE 1.0074 BRA 1.7559 BC3 1.4518 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 2695.0 SGR 466.4 SG3 140.0
 RRT -.7554 RRF -.9558 RTF .8490
 SGB 2735.1 R23 .4672 R13 -.8560
 SG1 2718.3 SG2 303.0 TMA 172.46

ORBIT DETERMINATION ACCURACY

ST 1053.2 SR 25.0 SS 276.4
 CRT -.7334 CRS .5546 CST -.9364
 LSA 1084.9 MSA 94.7 SSA 14.1
 EL1 1053.3 EL2 17.0 ALF 179.00

LAUNCH DATE JAN 4 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 342.796

RL 147.10 LAL .00 LOL 103.19 VL 28.520 GAL -11.51 AZL 93.60 HCA 166.96 SMA 133.91 ECC .22169 INC 3.5957 V1 30.287
 RP 108.76 LAP -.81 LOP 270.18 VP 38.070 GAP 6.89 AZP 86.50 TAL 232.69 TAP 39.65 RCA 104.22 APO 163.60 V2 34.842
 RC 125.075 GL -15.83 GP 40.90 ZAL 152.49 ZAP 130.20 ETS 44.00 ZAE 122.10 ETE 148.89 ZAC 41.20 ETC 206.68 CLP-148.65

PLANETOCENTRIC CONIC

C3 41.301 VHL 6.427 DLA -34.05 RAL 313.03 RAD 6568.6 VEL 12.754 PTH 2.32 VHP 6.835 OPA 18.10 RAP 297.05 ECC 1.6797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.25 4 52 18 1544.05 17.67 12.01 194.89 119.59 5 18 2 944.1 21.47 4.95
 109.75 9 48 36 600.84 17.68 301.68 194.90 119.58 9 58 37 .8 21.48 294.62
 70.25 4 52 18 1544.05 17.67 12.01 194.89 119.59 5 18 2 944.1 21.47 4.95
 109.75 9 48 36 600.84 17.68 301.68 194.90 119.58 9 58 37 .8 21.48 294.62
 110.00 9 27 11 666.13 15.34 305.35 193.47 120.93 9 38 17 66.1 19.33 298.50
 110.00 10 12 53 5814.80 20.04 275.18 196.28 118.29 11 49 48 5214.8 23.66 267.91

DIFFERENTIAL CORRECTIONS

TDE-1.3706 TRA-1.6122 TC3-1.4235 BAU .8125
 RDE .0887 RRA .0008 RC3 .3732 FAU .04796
 FDE -.6724 FRA -.1922 FC3-1.0054 BSP 8753
 BDE 1.3734 BRA 1.6122 BC3 1.4716 FSP -401

MID-COURSE EXECUTION ACCURACY

SGT 2801.8 SGR 486.1 SG3 124.4
 RRT -.7164 RRF -.9538 RTF .8568
 SGB 2843.6 R23 .4743 R13 -.8641
 SG1 2823.6 SG2 336.6 THA 172.81

ORBIT DETERMINATION ACCURACY

ST 1329.3 SR 80.4 SS 356.6
 CRT -.9130 CRS .9884 CST -.9554
 LSA 1374.5 MSA 106.4 SSA 8.4
 EL1 1331.3 EL2 32.7 ALF 176.84

LAUNCH DATE JAN 4 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 348.573

RL 147.10 LAL .00 LOL 103.19 VL 28.430 GAL -11.22 AZL 95.78 HCA 170.10 SMA 133.22 ECC .21980 INC 5.7795 V1 30.287
 RP 108.79 LAP -.99 LOP 273.34 VP 37.995 GAP 7.08 AZP 84.31 TAL 231.08 TAP 41.19 RCA 103.94 APO 162.50 V2 34.834
 RC 127.413 GL -24.74 GP 48.75 ZAL 145.64 ZAP 125.60 ETS 51.24 ZAE 116.73 ETE 146.58 ZAC 45.42 ETC 213.42 CLP-151.99

PLANETOCENTRIC CONIC

C3 45.045 VHL 6.712 DLA -42.01 RAL 318.58 RAD 6568.7 VEL 12.900 PTH 2.35 VHP 7.795 OPA 25.80 RAP 295.38 ECC 1.7413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.57 4 10 5 1753.50 20.37 31.04 204.22 127.57 4 39 19 1153.5 25.10 24.46
 122.43 11 15 6 5723.15 20.38 267.93 204.23 127.56 12 50 29 5123.2 25.12 261.34
 57.57 4 10 5 1753.50 20.37 31.04 204.22 127.57 4 39 19 1153.5 25.10 24.46
 122.43 11 15 6 5723.15 20.38 267.93 204.23 127.56 12 50 29 5123.2 25.12 261.34
 57.57 4 10 5 1753.50 20.37 31.04 204.22 127.57 4 39 19 1153.5 25.10 24.46
 122.43 11 15 6 5723.15 20.38 267.93 204.23 127.56 12 50 29 5123.2 25.12 261.34

DIFFERENTIAL CORRECTIONS

TDE-2.0063 TRA-1.3458 TC3-1.3233 BAU .8232
 RDE .1836 RRA -.0944 RC3 .3425 FAU .03827
 FDE -.8162 FRA -.0795 FC3 -.7355 BSP 9116
 BDE 2.0147 BRA 1.3491 BC3 1.3669 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 2912.0 SGR 497.7 SG3 104.7
 RRT -.6330 RRF -.9173 RTF .8752
 SGB 2954.2 R23 .4566 R13 -.8818
 SG1 2929.2 SG2 383.0 THA 173.72

ORBIT DETERMINATION ACCURACY

ST 1775.3 SR 160.7 SS 470.0
 CRT -.8908 CRS .9696 CST -.9747
 LSA 1839.3 MSA 123.8 SSA 4.3
 EL1 1781.0 EL2 72.8 ALF 175.38

LAUNCH DATE JAN 4 1966

FLIGHT TIME 116.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 354.313

RL 147.10 LAL .00 LOL 103.19 VL 28.341 GAL -10.92 AZL 99.95 HCA 173.22 SMA 132.55 ECC .21793 INC 9.9520 V1 30.287
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.922 GAP 7.25 AZP 80.12 TAL 229.44 TAP 42.66 RCA 103.66 APO 161.43 V2 34.826
 RC 129.747 GL -38.26 GP 59.58 ZAL 133.80 ZAP 118.14 ETS 60.93 ZAE 108.39 ETE 146.64 ZAC 51.25 ETC 223.43 CLP-158.66

PLANETOCENTRIC CONIC

C3 60.312 VHL 7.766 DLA -53.38 RAL 330.43 RAD 6569.1 VEL 13.478 PTH 2.46 VHP 9.866 OPA 36.06 RAP 290.71 ECC 1.9926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.65 4 4 57 1956.64 20.92 51.17 223.91 140.32 4 37 34 1356.6 26.98 45.87
 137.35 12 54 46 5664.72 20.93 262.88 223.93 140.31 14 29 11 5064.7 26.99 257.57
 42.65 4 4 57 1956.64 20.92 51.17 223.91 140.32 4 37 34 1356.6 26.98 45.87
 137.35 12 54 46 5664.72 20.93 262.88 223.93 140.31 14 29 11 5064.7 26.99 257.57
 42.65 4 4 57 1956.64 20.92 51.17 223.91 140.32 4 37 34 1356.6 26.98 45.87
 137.35 12 54 46 5664.72 20.93 262.88 223.93 140.31 14 29 11 5064.7 26.99 257.57

DIFFERENTIAL CORRECTIONS

TDE-3.3221 TRA -.7646 TC3 -.9599 BAU .7921
 RDE .1699 RRA -.2552 RC3 .2090 FAU .02629
 FDE -.9878 FRA .0581 FC3 -.3774 BSP 9427
 BDE 3.3265 BRA .8061 BC3 .9824 FSP -261

MID-COURSE EXECUTION ACCURACY

SGT 3020.7 SGR 469.8 SG3 81.0
 RRT -.3470 RRF -.6904 RTF .9149
 SGB 3057.0 R23 .3903 R13 -.9180
 SG1 3025.2 SG2 440.0 THA 176.84

ORBIT DETERMINATION ACCURACY

ST 2487.7 SR 157.4 SS 621.7
 CRT -.7228 CRS .8149 CST -.9895
 LSA 2545.9 MSA 138.5 SSA 1.9
 EL1 2470.4 EL2 108.7 ALF 177.36

LAUNCH DATE JAN 4 1966

FLIGHT TIME 118.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 359.949

RL 147.10 LAL .00 LOL 103.19 VL 28.253 GAL -10.59 AZL 110.93 HCA 176.24 SMA 131.89 ECC .21590 INC 20.9247 V1 30.287
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.849 GAP 7.39 AZP 69.12 TAL 227.75 TAP 43.99 RCA 103.42 APO 160.37 V2 34.819
 RC 132.074 GL -55.66 GP 72.63 ZAL 115.65 ZAP 107.26 ETS 86.46 ZAE 94.17 ETE 163.93 ZAC 58.59 ETC 250.76 CLP 173.64

PLANETOCENTRIC CONIC

C3 144.311 VHL 12.013 DLA -63.16 RAL 2.24 RAD 6570.6 VEL 16.298 PTH 2.85 VHP 15.997 OPA 48.20 RAP 276.22 ECC 3.3750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.85 5 40 47 2206.35 12.05 68.22 266.02 152.51 6 17 33 1606.3 19.11 64.74
 149.15 15 32 43 5793.62 12.06 264.86 266.05 152.51 17 9 16 5193.6 19.13 261.38
 30.85 5 40 47 2206.35 12.05 68.22 266.02 152.51 6 17 33 1606.3 19.11 64.74
 149.15 15 32 43 5793.62 12.06 264.86 266.05 152.51 17 9 16 5193.6 19.13 261.38
 30.85 5 40 47 2206.35 12.05 68.22 266.02 152.51 6 17 33 1606.3 19.11 64.74
 149.15 15 32 43 5793.62 12.06 264.86 266.05 152.51 17 9 16 5193.6 19.13 261.38

DIFFERENTIAL CORRECTIONS

TDE-5.6414 TRA .9947 TC3 -.2676 BAU .5162
 RDE-2.1190 RRA -.0724 RC3 -.0026 FAU .01161
 FDE-1.1469 FRA .3167 FC3 -.0696 BSP 9499
 BDE 6.0262 BRA .9973 BC3 .2676 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 2959.3 SGR 1013.6 SG3 57.3
 RRT .8811 RRF .7865 RTF .9847
 SGB 3128.0 R23 -.2164 R13 .9758
 SG1 3094.3 SG2 458.4 THA 17.18

ORBIT DETERMINATION ACCURACY

ST 2709.1 SR 1010.9 SS 768.7
 CRT .9903 CRS -.9792 CST -.9979
 LSA 2988.5 MSA 145.1 SSA .9
 EL1 2888.6 EL2 131.9 ALF 20.33

LAUNCH DATE JAN 4 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 364.771

RL 147.10 LAL .00 LOL 103.19 VL 28.166 GAL -10.08 AZL 166.85 MCA 178.45 SMA 131.25 ECC .21160 INC76.8451 V1 30.287
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.778 GAP 7.30 AZP 13.16 TAL 225.74 TAP 44.19 RCA 103.48 APO 159.02 V2 34.812
 RC 134.395 GL -47.81 GP 52.20 ZAL 97.79 ZAP 95.76 ETS 169.06 ZAE 57.83 ETE 238.33 ZAC 62.42 ETC 343.76 CLP 99.43

PLANETOCENTRIC CONIC

C31328.442 VHL 36.448 OLA -42.26 RAL 24.88 RAD 6573.1 VEL 38.075 PTH 3.55 VHP 46.686 CPA 40.82 RAP 226.52 ECC22.8628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.21 8 33 6 2235.55 -.81 54.64 295.76 132.25 9 10 21 1635.5 4.56 49.12
 122.79 15 41 5 909.07 -.80 312.90 295.77 132.25 15 56 14 309.1 4.58 307.39
 57.21 8 33 6 2235.55 -.81 54.64 295.76 132.25 9 10 21 1635.5 4.56 49.12
 122.79 15 41 5 909.07 -.80 312.90 295.77 132.25 15 56 14 309.1 4.58 307.39
 57.21 8 33 6 2235.55 -.81 54.64 295.76 132.25 9 10 21 1635.5 4.56 49.12
 122.79 15 41 5 909.07 -.80 312.90 295.77 132.25 15 56 14 309.1 4.58 307.39

DIFFERENTIAL CORRECTIONS

TDE 4.2026 TRA -2.208 TC3 -.0633 BAU 3.1717
 RDE -8.0424 RRA 8.5357 RC3 .1670 FAU -.04930
 FDE -1.5218 FRA 1.8308 FC3 .0321 BSP 6865
 BDE 9.0743 BRA 8.5385 BC3 .1786 FSP -123

MID-COURSE EXECUTION ACCURACY

SGT 807.1 SGR 2523.4 SG3 44.3
 RRT -.7276 RRF .9983 RTF -.6865
 SGB 2649.3 R23 -.1085 R13 .9941
 SG1 2594.0 SG2 538.6 TMA 103.70

ORBIT DETERMINATION ACCURACY

ST 660.9 SR 1376.8 SS 1073.9
 CRT -.9268 CRS -.9989 CST .9080
 LSA 1850.5 MSA 247.7 SSA .5
 EL1 1510.4 EL2 226.2 ALF 114.57

LAUNCH DATE JAN 4 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 372.197

RL 147.10 LAL .00 LOL 103.19 VL 28.080 GAL -10.13 AZL 59.11 MCA 183.27 SMA 130.63 ECC .21520 INC30.8908 V1 30.287
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.709 GAP 7.95 AZP 120.85 TAL 224.65 TAP 47.92 RCA 102.51 APO 158.74 V2 34.806
 RC 136.709 GL 59.92 GP -72.77 ZAL 107.54 ZAP 106.23 ETS 238.24 ZAE 86.88 ETE 164.98 ZAC 87.00 ETC 79.68 CLP 160.60

PLANETOCENTRIC CONIC

C3 268.956 VHL 18.400 OLA 45.52 RAL 310.88 RAD 6571.6 VEL 19.755 PTH 3.12 VHP 18.296 CPA -81.87 RAP 120.80 ECC 5.4263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.74 15 18 25 4806.93 -4.94 222.56 216.03 44.69 16 38 32 4206.9 -10.59 217.26
 127.26 23 1 26 3387.39 -4.92 112.40 216.01 44.69 23 57 54 2787.4 -10.58 107.10
 52.74 15 18 25 4806.93 -4.94 222.56 216.03 44.69 16 38 32 4206.9 -10.59 217.26
 127.26 23 1 26 3387.39 -4.92 112.40 216.01 44.69 23 57 54 2787.4 -10.58 107.10
 52.74 15 18 25 4806.93 -4.94 222.56 216.03 44.69 16 38 32 4206.9 -10.59 217.26
 127.26 23 1 26 3387.39 -4.92 112.40 216.01 44.69 23 57 54 2787.4 -10.58 107.10

DIFFERENTIAL CORRECTIONS

TDE 5.0165 TRA -2.1897 TC3 -.0413 BAU .1685
 RDE -4.7007 RRA 4.0202 RC3 -.0222 FAU .00566
 FDE 1.4650 FRA -1.7006 FC3 -.0182 BSP 10501
 BDE 6.8748 BRA 4.5779 BC3 .0469 FSP -183

MID-COURSE EXECUTION ACCURACY

SGT 2069.3 SGR 2592.4 SG3 53.8
 RRT -.9427 RRF -.9520 RTF .9987
 SGB 3317.0 R23 -.1764 R13 -.9835
 SG1 3271.6 SG2 547.2 TMA 128.22

ORBIT DETERMINATION ACCURACY

ST 1783.0 SR 1748.9 SS 825.9
 CRT -.9862 CRS .9889 CST -.9999
 LSA 2621.9 MSA 213.4 SSA 1.2
 EL1 2488.9 EL2 207.4 ALF 135.56

LAUNCH DATE JAN 4 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 377.769

RL 147.10 LAL .00 LOL 103.19 VL 27.995 GAL -9.77 AZL 72.84 MCA 186.25 SMA 130.02 ECC .21341 INC17.1573 V1 30.287
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.641 GAP 8.06 AZP 107.06 TAL 222.89 TAP 49.13 RCA 102.27 APO 157.76 V2 34.801
 RC 139.015 GL 52.84 GP -59.65 ZAL 117.76 ZAP 119.31 ETS 281.59 ZAE 103.22 ETE 202.80 ZAC 80.03 ETC 122.53 CLP-165.65

PLANETOCENTRIC CONIC

C3 104.280 VHL 10.212 OLA 35.85 RAL 306.37 RAD 6570.0 VEL 15.021 PTH 2.70 VHP 10.600 CPA -76.69 RAP 354.09 ECC 2.7162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.03 16 5 20 4463.07 -10.38 197.90 201.70 55.49 17 19 43 3863.1 -14.83 191.50
 112.97 21 38 28 3408.60 -10.36 118.78 201.69 55.49 22 35 17 2808.6 -14.81 112.38
 67.03 16 5 20 4463.07 -10.38 197.90 201.70 55.49 17 19 43 3863.1 -14.83 191.50
 112.97 21 38 28 3408.60 -10.36 118.78 201.69 55.49 22 35 17 2808.6 -14.81 112.38
 67.03 16 5 20 4463.07 -10.38 197.90 201.70 55.49 17 19 43 3863.1 -14.83 191.50
 112.97 21 38 28 3408.60 -10.36 118.78 201.69 55.49 22 35 17 2808.6 -14.81 112.38

DIFFERENTIAL CORRECTIONS

TDE 3.5646 TRA -3.6774 TC3 -.4713 BAU .6575
 RDE -.2130 RRA 1.0706 RC3 .0153 FAU .02349
 FDE 1.1724 FRA -.6624 FC3 -.1951 BSP 10764
 BDE 3.5710 BRA 3.8300 BC3 .4716 FSP -259

MID-COURSE EXECUTION ACCURACY

SGT 3377.4 SGR 751.3 SG3 77.4
 RRT -.8495 RRF -.6405 RTF .9479
 SGB 3459.9 R23 -.3327 R13 -.9409
 SG1 3437.9 SG2 389.4 TMA 169.16

ORBIT DETERMINATION ACCURACY

ST 2141.1 SR 252.4 SS 615.6
 CRT -.7565 CRS .6437 CST -.9874
 LSA 2233.9 MSA 191.2 SSA 1.5
 EL1 2149.6 EL2 164.4 ALF 174.87

LAUNCH DATE JAN 4 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 383.459

RL 147.10 LAL .00 LOL 103.19 VL 27.911 GAL -9.43 AZL 77.63 MCA 189.35 SMA 129.42 ECC .21211 INC12.3723 V1 30.287
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.575 GAP 8.21 AZP 102.21 TAL 221.15 TAP 50.49 RCA 101.97 APO 156.88 V2 34.797
 RC 141.312 GL 45.98 GP -47.45 ZAL 123.94 ZAP 129.56 ETS 292.85 ZAE 112.47 ETE 206.83 ZAC 74.39 ETC 134.01 CLP-160.36

PLANETOCENTRIC CONIC

C3 67.299 VHL 8.204 OLA 28.75 RAL 307.20 RAD 6569.3 VEL 13.735 PTH 2.51 VHP 8.301 CPA -64.26 RAP 340.42 ECC 2.1076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.79 18 11 56 3977.25 -11.57 161.80 195.31 63.49 19 18 14 3377.2 -15.04 154.81
 95.21 19 38 32 3696.91 -11.55 141.26 195.30 63.49 20 40 9 3096.9 -15.02 134.27
 100.00 21 25 49 3352.01 -18.60 119.23 198.73 66.17 22 21 41 2752.0 -21.66 111.78
 100.00 19 7 21 3797.38 -4.70 144.98 191.62 60.45 20 10 38 3197.4 -8.60 138.36
 110.00 23 48 53 2904.09 -27.67 89.30 202.78 69.07 24 37 17 2304.1 -30.25 81.06
 110.00 19 0 46 3818.07 3.64 141.38 186.46 55.99 20 4 24 3218.1 -.85 135.17

DIFFERENTIAL CORRECTIONS

TDE 2.4987 TRA -3.3879 TC3 -.8941 BAU .8047
 RDE .1728 RRA .4822 RC3 -.0242 FAU .03431
 FDE 1.1052 FRA -.6145 FC3 -.4414 BSP 11109
 BDE 2.5047 BRA 3.4221 BC3 .8944 FSP -335

MID-COURSE EXECUTION ACCURACY

SGT 3533.0 SGR 404.6 SG3 100.8
 RRT -.5372 RRF -.1402 RTF .9055
 SGB 3556.1 R23 -.4159 R13 -.9030
 SG1 3539.7 SG2 340.6 TMA 176.45

ORBIT DETERMINATION ACCURACY

ST 1924.3 SR 166.9 SS 563.8
 CRT .3654 CRS -.5813 CST -.9698
 LSA 2001.9 MSA 203.0 SSA 2.4
 EL1 1925.3 EL2 155.2 ALF 1.83

LAUNCH DATE JAN 4 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 385.174

RL 147.10 LAL .00 LOL 103.19 VL 27.829 GAL -9.09 AZL 80.03 HCA 192.48 SMA 128.85 ECC .21104 INC 9.9651 V1 30.287
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.510 GAP 8.36 AZP 99.73 TAL 219.40 TAP 51.88 RCA 101.65 APO 156.04 V2 34.793
 RC 143.598 GL 41.06 GP -38.54 ZAL 127.48 ZAP 137.03 ETS 298.94 ZAE 118.14 ETE 205.43 ZAC 70.98 ETC 140.36 CLP-159.32

PLANETOCENTRIC CONIC

C3 52.408 VHL 7.239 CLA 24.04 RAL 308.80 RAD 6568.9 VEL 13.182 PTH 2.41 VHP 7.363 CPA -55.00 RAP 336.91 ECC 1.8625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 17 48 3323.26 -24.15 119.25 196.62 74.75 22 13 11 2723.3 -26.01 111.07
 90.00 16 45 27 4229.03 .98 173.60 186.48 61.70 17 55 56 3629.0 -2.81 166.97
 100.00 22 59 1 2996.92 -26.60 95.95 197.33 75.84 23 48 58 2396.9 -28.29 87.55
 100.00 17 46 55 4030.61 3.19 157.79 185.25 60.26 18 54 6 3430.6 -.79 151.27
 110.00 0 50 26 2660.67 -32.36 71.93 198.84 78.34 1 34 46 2060.7 -33.63 62.92
 110.00 18 15 56 3939.62 8.23 147.79 182.14 56.70 19 21 35 3339.6 3.79 141.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9803 TRA-3.1606 TC3-1.2439 BAU .8719 SGT 3633.5 SGR 318.8 SG3 117.9 ST 1770.5 SR 184.2 SS 531.8
 RDE .2093 RRA .3093 RC3 -.0328 FAU .04088 RRT -.3362 RRF .1259 RTF .8792 CRT .5937 CRS -.8111 CST -.9522
 FDE 1.0401 FRA -.5508 FC3 -.6753 BSP 11409 SGB 3647.5 R23 -.4497 R13 -.8781 LSA 1845.5 MSA 213.2 SSA 3.5
 BDE 1.9914 BRA 3.1757 BC3 1.2444 FSP -386 SG1 3635.1 SG2 300.1 THA 178.30 EL1 1773.9 EL2 147.9 ALF 3.56

LAUNCH DATE JAN 4 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 394.895

RL 147.10 LAL .00 LOL 103.19 VL 27.748 GAL -8.75 AZL 81.49 HCA 195.62 SMA 128.28 ECC .21014 INC 8.5137 V1 30.287
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.447 GAP 8.51 AZP 98.20 TAL 217.64 TAP 53.26 RCA 101.33 APO 155.24 V2 34.790
 RC 145.874 GL 37.54 GP -32.06 ZAL 129.40 ZAP 142.50 ETS 303.40 ZAE 121.71 ETE 203.02 ZAC 69.29 ETC 144.96 CLP-159.41

PLANETOCENTRIC CONIC

C3 44.391 VHL 6.663 CLA 20.87 RAL 310.54 RAD 6568.7 VEL 12.875 PTH 2.35 VHP 6.919 CPA -48.08 RAP 336.02 ECC 1.7306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 7 53 3127.83 -26.96 105.64 194.75 81.00 23 0 1 2527.8 -27.93 97.11
 90.00 16 9 15 4341.46 4.59 179.89 184.16 62.03 17 21 37 3741.5 .81 173.24
 100.00 23 43 10 2820.62 -28.91 83.37 195.08 82.06 24 30 10 2220.6 -29.71 74.65
 100.00 17 16 40 4123.90 6.32 162.95 183.21 60.72 18 25 24 3523.9 2.37 156.39
 110.00 1 24 51 2514.77 -33.83 60.80 195.74 84.76 2 6 46 1914.8 -34.18 51.58
 110.00 17 55 24 4002.52 10.56 151.17 180.64 57.30 19 2 6 3402.5 6.18 144.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6818 TRA-2.9940 TC3-1.5421 BAU .9153 SGT 3729.2 SGR 278.8 SG3 129.1 ST 1667.0 SR 187.3 SS 505.6
 RDE .2046 RRA .2327 RC3 -.0228 FAU .04451 RRT -.2627 RRF .2087 RTF .8629 CRT .6451 CRS -.8730 CST -.9356
 FDE .9704 FRA -.4823 FC3 -.8681 BSP 11717 SGB 3739.7 R23 -.4525 R13 -.8622 LSA 1738.0 MSA 221.0 SSA 4.8
 BDE 1.6942 BRA 3.0030 BC3 1.5422 FSP -420 SG1 3730.0 SG2 269.0 THA 178.87 EL1 1671.4 EL2 142.8 ALF 4.18

LAUNCH DATE JAN 4 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 400.616

RL 147.10 LAL .00 LOL 103.19 VL 27.668 GAL -8.41 AZL 82.46 HCA 198.77 SMA 127.74 ECC .20940 INC 7.5394 V1 30.287
 RP 108.93 LAP -2.42 LOP 301.81 VP 37.385 GAP 8.66 AZP 97.14 TAL 215.87 TAP 54.64 RCA 100.99 APO 154.48 V2 34.787
 RC 148.138 GL 34.97 GP -27.26 ZAL 130.29 ZAP 146.60 ETS 306.97 ZAE 124.03 ETE 200.60 ZAC 68.75 ETC 148.57 CLP-159.92

PLANETOCENTRIC CONIC

C3 39.258 VHL 6.266 CLA 18.73 RAL 312.32 RAD 6568.5 VEL 12.674 PTH 2.30 VHP 6.697 CPA -42.75 RAP 336.26 ECC 1.6461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 9 3007.33 -27.95 96.96 193.40 85.24 23 29 16 2407.3 -28.31 88.32
 90.00 15 52 9 4399.98 6.45 183.18 183.41 62.37 17 5 29 3800.0 2.70 176.51
 100.00 0 15 47 2708.36 -29.69 75.12 193.55 86.34 1 0 55 2108.4 -29.88 66.32
 100.00 17 2 7 4174.18 7.99 165.75 182.58 61.10 18 11 41 3574.2 4.07 159.15
 110.00 1 48 44 2417.55 -34.18 53.24 193.75 89.23 2 29 2 1817.5 -33.91 44.00
 110.00 17 45 39 4037.76 11.85 153.09 180.26 57.70 18 52 57 3437.8 7.50 146.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4908 TRA-2.8615 TC3-1.8096 BAU .9497 SGT 3825.5 SGR 256.2 SG3 136.1 ST 1596.9 SR 189.1 SS 484.2
 RDE .1981 RRA .1875 RC3 -.0048 FAU .04627 RRT -.2444 RRF .2109 RTF .8522 CRT .6687 CRS -.9057 CST -.9204
 FDE .9047 FRA -.4149 FC3-1.0203 BSP 12061 SGB 3834.0 R23 -.4332 R13 -.8518 LSA 1663.9 MSA 227.4 SSA 6.1
 BDE 1.5039 BRA 2.8676 BC3 1.8096 FSP -442 SG1 3826.0 SG2 248.3 THA 179.06 EL1 1601.9 EL2 140.2 ALF 4.56

LAUNCH DATE JAN 4 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 406.334

RL 147.10 LAL .00 LOL 103.19 VL 27.589 GAL -8.05 AZL 83.16 HCA 201.92 SMA 127.20 ECC .20880 INC 6.8367 V1 30.287
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.325 GAP 8.81 AZP 96.35 TAL 214.08 TAP 56.00 RCA 100.64 APO 153.76 V2 34.786
 RC 150.390 GL 33.03 GP -23.61 ZAL 130.47 ZAP 149.80 ETS 309.90 ZAE 125.60 ETE 198.46 ZAC 68.98 ETC 151.49 CLP-160.60

PLANETOCENTRIC CONIC

C3 35.581 VHL 5.965 CLA 17.27 RAL 314.11 RAD 6568.4 VEL 12.528 PTH 2.27 VHP 6.586 CPA -38.52 RAP 337.09 ECC 1.5856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 1 15 2925.94 -28.26 91.03 192.67 88.20 23 50 1 2325.9 -28.22 82.37
 90.00 15 44 21 4431.67 7.45 184.98 183.39 62.60 16 58 13 3831.7 3.72 178.28
 100.00 0 36 29 2631.48 -29.89 69.41 192.71 89.33 1 20 21 2031.5 -29.66 60.61
 100.00 16 55 44 4201.36 8.88 167.28 182.62 61.34 18 5 45 3601.4 4.98 160.65
 110.00 2 6 40 2349.35 -34.11 47.91 192.64 92.38 2 45 49 1749.3 -33.41 38.74
 110.00 17 42 3 4056.26 12.52 154.10 180.44 57.93 18 49 39 3456.3 8.20 147.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3642 TRA-2.7440 TC3-2.0568 BAU .9784 SGT 3918.7 SGR 244.7 SG3 140.2 ST 1551.8 SR 193.0 SS 467.9
 RDE .1949 RRA .1554 RC3 .0159 FAU .04680 RRT -.2426 RRF .1810 RTF .8447 CRT .6893 CRS -.9295 CST -.9072
 FDE .8478 FRA -.3494 FC3-1.1388 BSP 12365 SGB 3926.3 R23 -.3986 R13 -.8444 LSA 1615.5 MSA 232.8 SSA 7.4
 BDE 1.3780 BRA 2.7484 BC3 2.0568 FSP -455 SG1 3919.1 SG2 237.3 THA 179.13 EL1 1557.5 EL2 139.3 ALF 4.94

LAUNCH DATE JAN 4 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 412.049

RL 147.10 LAL .00 LOL 103.19 VL 27.511 GAL -7.69 AZL 83.70 HCA 205.07 SMA 126.69 ECC .20834 INC 6.3034 V1 30.287
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.267 GAP 8.96 AZP 95.71 TAL 212.28 TAP 57.36 RCA 100.29 APO 153.08 V2 34.785
 RC 152.629 GL 31.54 GP -20.77 ZAL 130.15 ZAP 152.37 ETS 312.32 ZAE 126.70 ETE 196.62 ZAC 69.73 ETC 153.91 CLP-161.36

PLANETOCENTRIC CONIC

C3 32.739 VHL 5.722 CLA 16.31 RAL 315.94 RAD 6568.3 VEL 12.414 PTH 2.24 VHP 6.539 DPA -35.04 RAP 338.28 ECC 1.5388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 17 56 2868.90 -28.32 86.86 192.44 90.29 24 5 45 2268.9 -27.98 78.21
 90.00 15 42 15 4446.70 7.92 185.83 183.77 62.72 16 56 21 3846.7 4.20 179.12
 100.00 0 52 21 2577.09 -29.86 65.37 192.42 91.46 1 35 18 1977.1 -29.34 56.60
 100.00 16 54 26 4213.74 9.28 167.97 183.04 61.46 18 4 40 3613.7 5.40 161.34
 110.00 2 20 51 2300.21 -33.91 44.09 192.16 94.63 2 59 11 1700.2 -32.89 35.00
 110.00 17 42 26 4063.39 12.78 154.49 180.96 58.02 18 50 9 3463.4 8.46 148.05

DIFFERENTIAL CORRECTIONS

TOE 1.2795 TRA-2.6327 TC3-2.2920 BAU 1.0033
 ROE .1952 RRA .1301 RC3 .0371 FAU .04650
 FDE .8018 FRA -.2851 FC3-1.2296 BSP 12620
 BDE 1.2943 BRA 2.6360 BC3 2.2923 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 4008.2 SGR 241.8 SG3 142.3
 RRT -.2414 RRF .1426 RTF .8386
 SGB 4015.5 R23 -.3562 R13 -.8383
 SG1 4008.7 SG2 234.6 THA 179.16

ORBIT DETERMINATION ACCURACY

ST 1525.3 SR 199.7 SS 457.0
 CRT .7117 CRS -.9488 CST -.8959
 LSA 1587.1 MSA 237.7 SSA 8.6
 EL1 1532.0 EL2 139.7 ALF 5.37

LAUNCH DATE JAN 4 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 417.758

RL 147.10 LAL .00 LOL 103.19 VL 27.435 GAL -7.32 AZL 84.12 HCA 208.23 SMA 126.18 ECC .20804 INC 5.8824 V1 30.287
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.211 GAP 9.11 AZP 95.19 TAL 210.47 TAP 58.70 RCA 99.93 APO 152.43 V2 34.784
 RC 154.855 GL 30.37 GP -18.52 ZAL 129.45 ZAP 154.50 ETS 314.31 ZAE 127.51 ETE 195.07 ZAC 70.86 ETC 155.93 CLP-162.15

PLANETOCENTRIC CONIC

C3 30.426 VHL 5.516 CLA 15.71 RAL 317.81 RAD 6568.2 VEL 12.321 PTH 2.22 VHP 6.531 DPA -32.10 RAP 339.71 ECC 1.5007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 31 4 2828.53 -28.27 83.91 192.62 91.77 24 18 13 2228.5 -27.72 75.28
 90.00 15 44 2 4450.22 8.02 186.03 184.44 62.75 16 58 12 3850.2 4.31 179.32
 100.00 1 5 1 2538.26 -29.76 62.49 192.55 92.97 1 47 19 1938.3 -29.03 53.76
 100.00 16 56 42 4215.71 9.34 168.09 183.73 61.48 18 6 58 3615.7 5.46 161.45
 110.00 2 32 31 2264.48 -33.68 41.32 192.18 96.25 3 10 15 1664.5 -32.44 32.31
 110.00 17 45 42 4062.26 12.74 154.43 181.71 58.01 18 53 24 3462.3 8.42 147.99

DIFFERENTIAL CORRECTIONS

TOE 1.2184 TRA-2.5281 TC3-2.5281 BAU 1.0286
 ROE .1972 RRA .1079 RC3 .0570 FAU .04593
 FDE .7593 FRA -.2283 FC3-1.3069 BSP 12975
 BDE 1.2343 BRA 2.5304 BC3 2.5287 FSP -464

MID-COURSE EXECUTION ACCURACY

SGT 4101.4 SGR 243.8 SG3 143.6
 RRT -.2336 RRF .1042 RTF .8350
 SGB 4108.6 R23 -.3085 R13 -.8348
 SG1 4101.8 SG2 237.0 THA 179.20

ORBIT DETERMINATION ACCURACY

ST 1509.4 SR 207.8 SS 447.7
 CRT .7349 CRS -.9638 CST -.8871
 LSA 1569.7 MSA 240.8 SSA 9.9
 EL1 1517.2 EL2 140.2 ALF 5.83

LAUNCH DATE JAN 4 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 423.462

RL 147.10 LAL .00 LOL 103.19 VL 27.360 GAL -6.95 AZL 84.46 HCA 211.39 SMA 125.69 ECC .20789 INC 5.5399 V1 30.287
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.156 GAP 9.27 AZP 94.73 TAL 208.64 TAP 60.03 RCA 99.56 APO 151.82 V2 34.785
 RC 157.067 GL 29.43 GP -16.69 ZAL 128.44 ZAP 156.33 ETS 315.94 ZAE 128.11 ETE 193.76 ZAC 72.24 ETC 157.64 CLP-162.96

PLANETOCENTRIC CONIC

C3 28.476 VHL 5.336 CLA 15.39 RAL 319.74 RAD 6568.1 VEL 12.241 PTH 2.20 VHP 6.548 DPA -29.55 RAP 341.30 ECC 1.4686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 41 45 2800.39 -28.13 81.85 193.12 92.80 24 28 26 2200.4 -27.50 73.25
 90.00 15 48 45 4445.19 7.87 185.75 185.31 62.71 17 2 51 3845.2 4.15 179.04
 100.00 1 15 27 2510.92 -29.64 60.46 193.02 94.03 1 57 18 1910.9 -28.77 51.77
 100.00 17 1 41 4209.90 9.16 167.76 184.62 61.42 18 11 51 3609.9 5.27 161.13
 110.00 2 42 26 2238.74 -33.47 39.34 192.57 97.41 3 19 45 1638.7 -32.08 30.39
 110.00 17 51 11 4054.84 12.47 154.02 182.65 57.91 18 58 46 3454.8 8.14 147.60

DIFFERENTIAL CORRECTIONS

TOE 1.1706 TRA-2.4303 TC3-2.7744 BAU 1.0566
 ROE .1999 RRA .0873 RC3 .0747 FAU .04538
 FDE .7170 FRA -.1815 FC3-1.3798 BSP 13500
 BDE 1.1875 BRA 2.4319 BC3 2.7754 FSP -482

MID-COURSE EXECUTION ACCURACY

SGT 4203.8 SGR 248.8 SG3 144.6
 RRT -.2193 RRF .0677 RTF .8349
 SGB 4211.2 R23 -.2577 R13 -.8347
 SG1 4204.2 SG2 242.7 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 1498.9 SR 216.6 SS 437.6
 CRT .7572 CRS -.9750 CST -.8804
 LSA 1557.8 MSA 241.8 SSA 11.2
 EL1 1508.0 EL2 140.6 ALF 6.30

LAUNCH DATE JAN 4 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 429.163

RL 147.10 LAL .00 LOL 103.19 VL 27.286 GAL -6.56 AZL 84.75 HCA 214.54 SMA 125.21 ECC .20789 INC 5.2541 V1 30.287
 RP 108.94 LAP -2.98 LOP 317.62 VP 37.103 GAP 9.42 AZP 94.33 TAL 206.80 TAP 61.34 RCA 99.18 APO 151.24 V2 34.786
 RC 159.265 GL 28.66 GP -15.18 ZAL 127.16 ZAP 157.92 ETS 317.26 ZAE 128.59 ETE 192.65 ZAC 73.83 ETC 159.12 CLP-163.77

PLANETOCENTRIC CONIC

C3 26.789 VHL 5.176 CLA 15.29 RAL 321.75 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 6.582 DPA -27.28 RAP 343.01 ECC 1.4409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 50 37 2781.83 -28.12 80.50 193.91 93.47 24 36 59 2181.8 -27.34 71.92
 90.00 15 55 54 4433.34 7.50 185.07 186.38 62.61 17 9 47 3833.3 3.77 178.38
 100.00 1 24 14 2492.58 -29.55 59.11 193.80 94.74 2 5 47 1892.6 -28.58 50.44
 100.00 17 8 53 4197.82 8.76 167.08 185.70 61.31 18 18 51 3597.8 4.86 160.46
 110.00 2 51 5 2220.87 -33.30 37.97 193.30 98.20 3 28 6 1620.9 -31.81 29.06
 110.00 17 58 32 4042.30 12.02 153.33 183.75 57.76 19 5 55 3442.3 7.67 146.93

DIFFERENTIAL CORRECTIONS

TOE 1.1731 TRA-2.2958 TC3-2.9739 BAU 1.0656
 ROE .2056 RRA .0708 RC3 .0946 FAU .04326
 FDE .7085 FRA -.1073 FC3-1.3981 BSP 13220
 BDE 1.1909 BRA 2.2969 BC3 2.9754 FSP -439

MID-COURSE EXECUTION ACCURACY

SGT 4255.0 SGR 260.7 SG3 142.6
 RRT -.1985 RRF .0620 RTF .8253
 SGB 4263.0 R23 -.2310 R13 -.8253
 SG1 4255.3 SG2 255.5 THA 179.30

ORBIT DETERMINATION ACCURACY

ST 1523.0 SR 228.9 SS 447.2
 CRT .7916 CRS -.9859 CST -.8781
 LSA 1584.8 MSA 245.6 SSA 12.2
 EL1 1533.9 EL2 138.9 ALF 6.84

LAUNCH DATE JAN 4 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 434.856

RL 147.10 LAL .00 LOL 103.19 VL 27.214 GAL -6.17 AZL 84.99 MCA 217.70 SMA 124.75 ECC .20806 INC 5.0108 V1 30.287
 RP 108.93 LAP -3.06 LOP 320.78 VP 37.051 GAP 9.57 AZP 93.97 TAL 204.94 TAP 62.65 RCA 98.79 APO 150.70 V2 34.788
 RC 161.449 GL 28.02 GP -13.92 ZAL 125.67 ZAP 159.33 ETS 318.30 ZAE 128.98 ETE 191.71 ZAC 75.56 ETC 160.39 CLP-164.57

PLANETOCENTRIC CONIC

C3 25.311 VML 5.031 DLA 15.38 RAL 323.84 RAD 6568.0 VEL 12.111 PTH 2.17 VHP 6.630 DPA -25.23 RAP 344.81 ECC 1.4166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 2 4 2770.95 -28.07 79.71 194.96 93.87 0 48 15 2170.9 -27.24 71.14
 90.00 16 5 3 4416.13 6.96 184.10 187.63 62.48 17 18 39 3816.1 3.22 177.41
 100.00 1 31 50 2481.49 -29.48 58.29 194.83 95.17 2 13 11 1881.5 -28.46 49.64
 100.00 17 17 58 4180.83 8.20 166.12 186.95 61.15 18 27 39 3580.8 4.29 159.52
 110.00 2 58 49 2209.34 -33.19 37.09 194.31 98.71 3 35 38 1609.3 -31.63 28.21
 110.00 18 7 29 4025.74 11.41 152.43 185.02 57.56 19 14 35 3425.7 7.05 146.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1585 TRA-2.1869 TC3-3.2188 BAU 1.0899 SGT 4347.7 SGR 270.5 SG3 142.5 ST 1533.2 SR 239.5 SS 443.9
 RDE .2096 RRA .0534 RC3 .1098 FAU .04225 RRT -.1748 RRF .0435 RTF .8259 CRT .8170 CRS -.9918 CST -.8768
 FDE .6792 FRA -.0622 FC3-1.4453 BSP .13647 SGB 4356.1 R23 -.1914 R13 -.8257 LSA 1595.4 MSA 244.1 S3A 13.4
 BDE 1.1773 BRA 2.1875 BC3 3.2207 FSP -.448 SG1 4348.0 SG2 266.3 THA 179.37 EL1 1545.7 EL2 137.0 ALF 7.33

LAUNCH DATE JAN 4 1966

FLIGHT TIME 146.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 440.542

RL 147.10 LAL .00 LOL 103.19 VL 27.142 GAL -5.77 AZL 85.20 MCA 220.86 SMA 124.29 ECC .20840 INC 4.7998 V1 30.287
 RP 108.92 LAP -3.14 LOP 323.95 VP 37.001 GAP 9.73 AZP 93.63 TAL 203.08 TAP 63.94 RCA 98.39 APO 150.20 V2 34.791
 RC 163.619 GL 27.47 GP -12.86 ZAL 123.96 ZAP 160.61 ETS 319.09 ZAE 129.31 ETE 190.90 ZAC 77.41 ETC 161.51 CLP-165.36

PLANETOCENTRIC CONIC

C3 24.003 VML 4.899 DLA 15.62 RAL 326.02 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 6.687 DPA -23.34 RAP 346.67 ECC 1.3950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 8 33 2766.66 -28.05 79.39 196.25 94.02 0 54 39 2166.7 -27.20 70.83
 90.00 16 16 2 4394.32 6.27 182.86 189.06 62.33 17 29 16 3794.3 2.52 176.19
 100.00 1 38 29 2476.60 -29.45 57.93 196.12 95.35 2 19 46 1876.6 -28.40 49.28
 100.00 17 28 48 4159.61 7.51 164.94 188.38 60.98 18 38 6 3559.6 3.58 158.35
 110.00 3 5 52 2203.23 -33.12 36.63 195.58 98.98 3 42 35 1603.2 -31.53 27.77
 110.00 18 17 54 4005.74 10.68 151.35 186.46 57.33 19 24 39 3405.7 6.30 144.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1620 TRA-2.0654 TC3-3.4564 BAU 1.1098 SGT 4428.0 SGR 282.1 SG3 141.5 ST 1556.7 SR 250.9 SS 446.1
 RDE .2142 RRA .0375 RC3 .1240 FAU .04090 RRT -.1481 RRF .0363 RTF .8248 CRT .8444 CRS -.9957 CST -.8783
 FDE .6592 FRA -.0133 FC3-1.4752 BSP .13912 SGB 4437.0 R23 -.1608 R13 -.8247 LSA 1620.7 MSA 241.8 S3A 14.6
 BDE 1.1816 BRA 2.0657 BC3 3.4586 FSP -.445 SG1 4428.2 SG2 279.0 THA 179.46 EL1 1571.1 EL2 133.2 ALF 7.81

LAUNCH DATE JAN 4 1966

FLIGHT TIME 148.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 446.222

RL 147.10 LAL .00 LOL 103.19 VL 27.072 GAL -5.36 AZL 85.39 MCA 224.02 SMA 123.85 ECC .20891 INC 4.6141 V1 30.287
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.953 GAP 9.89 AZP 93.32 TAL 201.21 TAP 65.23 RCA 97.98 APO 149.73 V2 34.794
 RC 165.775 GL 26.98 GP -11.95 ZAL 122.06 ZAP 161.78 ETS 319.66 ZAE 129.60 ETE 190.21 ZAC 79.35 ETC 162.49 CLP-166.14

PLANETOCENTRIC CONIC

C3 22.839 VML 4.779 DLA 16.00 RAL 328.32 RAD 6567.9 VEL 12.009 PTH 2.14 VHP 6.754 DPA -21.59 RAP 348.59 ECC 1.3759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 14 11 2768.16 -28.06 79.50 197.78 93.97 1 0 19 2168.2 -27.21 70.94
 90.00 16 28 43 4368.56 5.45 181.41 190.67 62.17 17 41 31 3768.6 1.69 174.75
 100.00 1 44 26 2477.15 -29.46 57.97 197.65 95.33 2 25 43 1877.2 -28.41 49.32
 100.00 17 41 10 4134.80 6.68 163.55 190.00 60.80 18 50 4 3534.8 2.74 156.98
 110.00 3 12 24 2201.87 -33.11 36.53 197.12 99.04 3 49 6 1601.9 -31.51 27.67
 110.00 18 29 40 3982.84 9.84 150.11 188.08 57.10 19 36 3 3382.8 5.43 143.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1755 TRA-1.9376 TC3-3.6959 BAU 1.1293 SGT 4506.1 SGR 294.2 SG3 140.5 ST 1588.4 SR 262.4 SS 449.8
 RDE .2187 RRA .0225 RC3 .1364 FAU .03951 RRT -.1199 RRF .0340 RTF .8246 CRT .8711 CRS -.9974 CST -.8821
 FDE .6418 FRA .0333 FC3-1.4976 BSP .14178 SGB 4515.7 R23 -.1343 R13 -.8245 LSA 1654.5 MSA 237.6 S3A 15.7
 BDE 1.1956 BRA 1.9378 BC3 3.6984 FSP -.442 SG1 4506.3 SG2 292.0 THA 179.55 EL1 1604.8 EL2 127.5 ALF 8.24

LAUNCH DATE JAN 4 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 451.894

RL 147.10 LAL .00 LOL 103.19 VL 27.003 GAL -4.94 AZL 85.55 MCA 227.18 SMA 123.42 ECC .20960 INC 4.4484 V1 30.287
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.906 GAP 10.06 AZP 93.03 TAL 199.32 TAP 66.50 RCA 97.55 APO 149.29 V2 34.798
 RC 167.915 GL 26.54 GP -11.17 ZAL 119.97 ZAP 162.86 ETS 320.02 ZAE 129.85 ETE 189.62 ZAC 81.37 ETC 163.36 CLP-166.91

PLANETOCENTRIC CONIC

C3 21.806 VML 4.670 DLA 16.49 RAL 330.74 RAD 6567.9 VEL 11.966 PTH 2.13 VHP 6.828 DPA -19.93 RAP 350.55 ECC 1.3589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 19 10 2774.92 -28.09 80.00 199.55 93.72 1 5 25 2174.9 -27.28 71.42
 90.00 16 43 1 4339.35 4.52 179.77 192.50 62.02 17 55 20 3739.4 .74 173.13
 100.00 1 49 48 2482.63 -29.49 58.37 199.43 95.12 2 31 11 1882.6 -28.47 49.72
 100.00 17 53 4 4106.87 5.75 162.00 191.82 60.62 19 3 31 3506.9 1.80 155.45
 110.00 3 18 36 2204.79 -33.14 36.75 198.90 98.91 3 55 21 1604.8 -31.55 27.88
 110.00 18 42 45 3957.48 8.90 148.75 189.90 56.86 19 48 43 3357.5 4.47 142.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1971 TRA-1.8029 TC3-3.9363 BAU 1.1483 SGT 4582.0 SGR 306.5 SG3 139.2 ST 1627.5 SR 273.8 SS 454.6
 RDE .2231 RRA .0085 RC3 .1470 FAU .03810 RRT -.0911 RRF .0355 RTF .8251 CRT .8963 CRS -.9972 CST -.8877
 FDE .6266 FRA .0781 FC3-1.5125 BSP .14449 SGB 4592.2 R23 -.1115 R13 -.8250 LSA 1696.0 MSA 231.7 S3A 16.9
 BDE 1.2177 BRA 1.8029 BC3 3.9391 FSP -.440 SG1 4582.1 SG2 305.2 THA 179.65 EL1 1646.0 EL2 120.1 ALF 8.62

LAUNCH DATE JAN 4 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 457.558

RL 147.10 LAL .00 LOL 103.19 VL 26.936 GAL -4.51 AZL 85.70 MCA 230.35 SMA 123.01 ECC .21048 INC 4.2989 V1 30.287
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.861 GAP 10.23 AZP 92.75 TAL 197.43 TAP 67.77 RCA 97.12 APO 148.90 V2 34.803
 RC 170.040 GL 26.13 GP -10.49 ZAL 117.71 ZAP 163.86 ETS 320.18 ZAE 130.09 ETE 189.11 ZAC 83.45 ETC 164.13 CLP-167.67

PLANETOCENTRIC CONIC

C3 20.893 VHL 4.571 OLA 17.07 RAL 333.28 RAD 6567.8 VEL 11.928 PTH 2.12 VMP 6.909 DPA -18.35 RAP 352.55 ECC 1.3438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 23 36 2786.58 -28.14 80.85 201.56 93.30 1 10 2 2186.6 -27.39 72.26
 90.00 16 58 54 4307.09 3.49 177.96 194.54 61.88 18 10 41 3707.1 -30 171.33
 100.00 1 54 44 2492.68 -29.55 59.11 201.45 94.74 2 36 17 1892.7 -28.58 50.44
 100.00 18 10 27 4076.23 4.73 160.31 193.85 60.45 19 18 23 3476.2 .76 153.77
 110.00 3 24 33 2211.64 -33.21 37.27 200.95 98.61 4 1 25 1611.6 -31.67 28.38
 110.00 18 57 7 3930.04 7.87 147.28 191.92 56.63 20 2 37 3330.0 3.43 141.01

DIFFERENTIAL CORRECTIONS

TOE 1.2303 TRA-1.6576 TC3-4.1690 BAU 1.1633
 RDE .2276 RRA -.0043 RC3 .1560 FAU .03657
 FDE .6156 FRA .1237 FC3-1.8153 BSP 14641
 BDE 1.2512 BRA 1.6576 BC3 4.1719 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 4650.6 SGR 319.0 SG3 137.7
 RRT -.0615 RRF .0427 RTF .8252
 SGB 4661.5 R23 -.0938 R13 -.8252
 SGI 4650.6 SG2 318.4 TMA 179.76

ORBIT DETERMINATION ACCURACY

ST 1678.3 SR 285.3 SS 462.2
 CRT .9201 CRS -.9953 CST -.0950
 LSA 1749.6 MSA 224.3 SSA 18.0
 EL1 1698.8 EL2 110.4 ALF 8.93

LAUNCH DATE JAN 4 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 463.214

RL 147.10 LAL .00 LOL 103.19 VL 26.869 GAL -4.07 AZL 85.84 MCA 233.51 SMA 122.60 ECC .21156 INC 4.1624 V1 30.287
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.818 GAP 10.41 AZP 92.48 TAL 195.52 TAP 69.03 RCA 96.66 APO 148.54 V2 34.808
 RC 172.148 GL 25.72 GP -9.90 ZAL 115.27 ZAP 164.81 ETS 320.14 ZAE 130.31 ETE 188.66 ZAC 85.59 ETC 164.82 CLP-168.41

PLANETOCENTRIC CONIC

C3 20.095 VHL 4.483 OLA 17.75 RAL 335.97 RAD 6567.8 VEL 11.894 PTH 2.11 VMP 6.997 DPA -16.84 RAP 354.58 ECC 1.3307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 35 2802.90 -28.20 82.04 203.82 92.71 1 14 18 2202.9 -27.52 73.43
 90.00 17 16 21 4272.16 2.37 176.01 196.81 61.77 18 27 33 3672.2 -1.43 169.38
 100.00 1 59 20 2507.04 -29.63 60.17 203.72 94.18 2 41 7 1907.0 -28.73 51.48
 100.00 18 27 17 4043.25 3.62 158.49 196.12 60.31 19 34 40 3443.3 -3.36 151.96
 110.00 3 30 23 2222.16 -33.31 38.07 203.25 98.14 4 7 25 1622.2 -31.83 29.16
 110.00 19 12 43 3900.89 6.78 145.74 194.16 56.42 20 17 44 3300.9 2.32 139.49

DIFFERENTIAL CORRECTIONS

TOE 1.2673 TRA-1.5072 TC3-4.4023 BAU 1.1835
 RDE .2320 RRA -.0163 RC3 .1626 FAU .03515
 FDE .6036 FRA .1656 FC3-1.9144 BSP 14911
 BDE 1.2884 BRA 1.5073 BC3 4.4053 FSP -430

MID-COURSE EXECUTION ACCURACY

SGT 4721.5 SGR 331.1 SG3 136.3
 RRT -.0326 RRF .0497 RTF .8270
 SGB 4733.1 R23 -.0768 R13 -.8270
 SGI 4721.5 SG2 330.9 TMA 179.87

ORBIT DETERMINATION ACCURACY

ST 1733.8 SR 296.6 SS 468.8
 CRT .9407 CRS -.9919 CST -.9030
 LSA 1807.5 MSA 215.3 SSA 19.2
 EL1 1756.2 EL2 99.4 ALF 9.17

LAUNCH DATE JAN 4 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 468.859

RL 147.10 LAL .00 LOL 103.19 VL 26.804 GAL -3.61 AZL 85.96 MCA 236.67 SMA 122.20 ECC .21285 INC 4.0366 V1 30.287
 RP 108.85 LAP -3.37 LOP 339.80 VP 36.776 GAP 10.59 AZP 92.22 TAL 193.61 TAP 70.29 RCA 96.19 APO 148.21 V2 34.814
 RC 174.239 GL 25.30 GP -9.37 ZAL 112.65 ZAP 165.70 ETS 319.90 ZAE 130.51 ETE 188.27 ZAC 87.76 ETC 165.44 CLP-169.15

PLANETOCENTRIC CONIC

C3 19.409 VHL 4.406 OLA 18.49 RAL 338.80 RAD 6567.8 VEL 11.866 PTH 2.10 VMP 7.092 DPA -15.38 RAP 356.63 ECC 1.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 12 2823.71 -28.26 83.56 206.33 91.95 1 18 15 2223.7 -27.69 74.94
 90.00 17 35 20 4234.86 1.16 173.92 199.33 61.70 18 45 55 3634.9 -2.63 167.30
 100.00 2 3 40 2525.51 -29.71 61.54 206.25 93.47 2 45 45 1925.5 -28.91 52.83
 100.00 18 45 33 4008.29 2.44 156.56 198.63 60.20 19 32 21 3408.3 -1.55 150.04
 110.00 3 36 9 2236.15 -33.44 39.14 205.83 97.52 4 13 25 1636.2 -32.04 30.19
 110.00 19 29 33 3870.41 5.63 144.13 196.64 56.23 20 34 4 3270.4 1.15 137.90

DIFFERENTIAL CORRECTIONS

TOE 1.3121 TRA-1.3476 TC3-4.6247 BAU 1.2008
 RDE .2365 RRA -.0271 RC3 .1670 FAU .03371
 FDE .5936 FRA .2068 FC3-1.9037 BSP 15154
 BDE 1.3332 BRA 1.3479 BC3 4.6277 FSP -427

MID-COURSE EXECUTION ACCURACY

SGT 4788.7 SGR 342.9 SG3 134.7
 RRT -.0038 RRF .0596 RTF .8292
 SGB 4801.0 R23 -.0628 R13 -.8292
 SGI 4788.7 SG2 342.9 TMA 179.98

ORBIT DETERMINATION ACCURACY

ST 1798.3 SR 307.7 SS 476.6
 CRT .9583 CRS -.9872 CST -.9117
 LSA 1874.4 MSA 205.3 SSA 20.4
 EL1 1822.4 EL2 86.7 ALF 9.33

LAUNCH DATE JAN 4 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 474.493

RL 147.10 LAL .00 LOL 103.19 VL 26.740 GAL -3.15 AZL 86.08 MCA 239.84 SMA 121.82 ECC .21436 INC 3.9196 V1 30.287
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.735 GAP 10.78 AZP 91.97 TAL 191.69 TAP 71.53 RCA 95.70 APO 147.93 V2 34.821
 RC 176.312 GL 24.87 GP -8.91 ZAL 109.88 ZAP 166.54 ETS 319.47 ZAE 130.72 ETE 187.94 ZAC 89.98 ETC 166.00 CLP-169.88

PLANETOCENTRIC CONIC

C3 18.835 VHL 4.340 OLA 19.30 RAL 341.79 RAD 6567.8 VEL 11.841 PTH 2.10 VMP 7.194 DPA -13.97 RAP 358.71 ECC 1.3100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 30 2848.87 -28.30 85.40 209.10 91.02 1 21 59 2248.9 -27.86 76.76
 90.00 17 55 52 4195.53 -.11 171.73 202.12 61.68 19 5 48 3595.5 -3.89 165.10
 100.00 2 7 49 2347.93 -29.79 63.20 209.05 92.60 2 50 17 1947.9 -29.11 54.46
 100.00 19 5 14 3971.70 1.20 154.55 201.40 60.13 20 11 26 3371.7 -2.79 148.03
 110.00 3 41 58 2253.41 -33.59 40.47 208.69 96.75 4 19 31 1653.4 -32.29 31.48
 110.00 19 47 35 3838.98 4.43 142.47 199.38 56.07 20 51 34 3239.0 -.05 136.26

DIFFERENTIAL CORRECTIONS

TOE 1.3634 TRA-1.1781 TC3-4.8302 BAU 1.2171
 RDE .2412 RRA -.0368 RC3 .1692 FAU .03225
 FDE .5847 FRA .2478 FC3-1.4823 BSP 15379
 BDE 1.3846 BRA 1.1787 BC3 4.8332 FSP -423

MID-COURSE EXECUTION ACCURACY

SGT 4851.2 SGR 354.4 SG3 133.1
 RRT .0245 RRF .0715 RTF .8316
 SGB 4864.1 R23 .0510 R13 .8316
 SGI 4851.2 SG2 354.3 TMA .10

ORBIT DETERMINATION ACCURACY

ST 1870.9 SR 318.8 SS 484.7
 CRT .9727 CRS -.9814 CST -.9204
 LSA 1948.9 MSA 194.6 SSA 21.6
 EL1 1896.4 EL2 72.9 ALF 9.43

LAUNCH DATE JAN 4 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 480.116

RL 147.10 LAL .00 LOL 103.19 VL 26.676 GAL -2.67 AZL 86.19 HCA 243.01 SMA 121.44 ECC .21610 INC 3.8098 V1 30.287
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.696 GAP 10.98 AZP 91.73 TAL 189.77 TAP 72.78 RCA 95.20 APO 147.68 V2 34.828
 RC 178.366 GL 24.40 GP -8.50 ZAL 106.94 ZAP 167.35 ETS 318.82 ZAE 130.91 ETE 187.64 ZAC 92.23 ETC 166.50 CLP-170.59

PLANETOCENTRIC CONIC

C3 18.376 VHL 4.287 DLA 20.15 RAL 344.94 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 7.302 DPA -12.59 RAP .80 ECC 1.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 33 2878.29 -28.32 87.55 212.14 89.95 1 25 31 2278.3 -28.02 78.89
 90.00 18 17 56 4154.51 -1.43 169.44 205.19 61.72 19 27 10 3554.5 -5.20 162.79
 100.00 2 11 52 2574.15 -29.85 65.15 212.12 91.57 2 54 47 1974.1 -29.32 56.39
 100.00 19 26 18 3933.89 -.09 152.48 204.45 60.11 20 31 52 3333.9 -4.06 145.95
 110.00 3 47 53 2273.75 -33.74 42.04 211.82 95.83 4 25 47 1673.7 -32.57 33.00
 110.00 20 6 46 3807.05 3.22 140.80 202.38 55.95 21 10 13 3207.1 -1.27 134.60

DIFFERENTIAL CORRECTIONS

TDE 1.4220 TRA -.9971 TC3-5.0108 BAU 1.2317
 RDE .2464 RRA -.0451 RC3 .1690 FAU .03075
 FDE .5773 FRA .2892 FC3-1.4488 BSP 15547
 BDE 1.4432 BRA .9982 BC3 5.0136 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 4907.5 SGR 365.5 SG3 131.3
 RRT .0527 RRF .0858 RTF .8341
 SGB 4921.0 R23 .0417 R13 .8341
 SGI 4907.5 SG2 364.9 THA .23

ORBIT DETERMINATION ACCURACY

ST 1952.1 SR 329.9 SS 493.6
 CRT .9838 CRS -.9747 CST -.9290
 LSA 2031.9 MSA 183.9 SSA 22.7
 EL1 1978.9 EL2 58.3 ALF 9.45

LAUNCH DATE JAN 4 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 485.725

RL 147.10 LAL .00 LOL 103.19 VL 26.614 GAL -2.17 AZL 86.29 HCA 246.17 SMA 121.07 ECC .21809 INC 3.7060 V1 30.287
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.659 GAP 11.19 AZP 91.50 TAL 187.84 TAP 74.01 RCA 94.67 APO 147.48 V2 34.836
 RC 180.400 GL 23.88 GP -8.13 ZAL 103.85 ZAP 168.11 ETS 317.95 ZAE 131.10 ETE 187.38 ZAC 94.51 ETC 166.94 CLP-171.30

PLANETOCENTRIC CONIC

C3 18.035 VHL 4.247 DLA 21.02 RAL 348.25 RAD 6567.7 VEL 11.807 PTH 2.09 VHP 7.419 DPA -11.24 RAP 2.91 ECC 1.2968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 24 2911.83 -28.29 90.00 215.45 88.72 1 28 56 2311.8 -28.17 81.34
 90.00 18 41 28 4112.20 -2.79 167.08 208.56 61.81 19 50 1 3512.2 -6.54 160.41
 100.00 2 15 53 2603.95 -29.89 67.36 215.47 90.41 2 59 17 2003.9 -29.51 58.58
 100.00 19 48 40 3895.32 -1.39 150.36 207.78 60.14 20 53 36 3295.3 -5.36 143.82
 110.00 3 54 1 2296.91 -33.89 43.83 215.25 94.78 4 32 18 1696.9 -32.85 34.75
 110.00 20 27 1 3775.12 2.00 139.13 205.66 55.87 21 29 57 3175.1 -2.49 132.93

DIFFERENTIAL CORRECTIONS

TDE 1.4829 TRA -.8090 TC3-5.1694 BAU 1.2470
 RDE .2520 RRA -.0523 RC3 .1661 FAU .02935
 FDE .5692 FRA .3281 FC3-1.4089 BSP 15767
 BDE 1.5041 BRA .8107 BC3 5.1721 FSP -413

MID-COURSE EXECUTION ACCURACY

SGT 4964.6 SGR 375.8 SG3 129.5
 RRT .0800 RRF .1001 RTF .8380
 SGB 4978.8 R23 .0329 R13 .8380
 SGI 4964.7 SG2 374.6 THA .35

ORBIT DETERMINATION ACCURACY

ST 2035.5 SR 340.8 SS 501.1
 CRT .9913 CRS -.9673 CST -.9370
 LSA 2116.6 MSA 173.3 SSA 23.9
 EL1 2063.3 EL2 44.2 ALF 9.43

LAUNCH DATE JAN 4 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 491.320

RL 147.10 LAL .00 LOL 103.19 VL 26.553 GAL -1.66 AZL 86.39 HCA 249.34 SMA 120.72 ECC .22034 INC 3.6071 V1 30.287
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.623 GAP 11.41 AZP 91.27 TAL 185.91 TAP 75.25 RCA 94.12 APO 147.32 V2 34.845
 RC 182.414 GL 23.30 GP -7.80 ZAL 100.62 ZAP 168.84 ETS 316.84 ZAE 131.29 ETE 187.16 ZAC 96.81 ETC 167.34 CLP-172.00

PLANETOCENTRIC CONIC

C3 17.817 VHL 4.221 DLA 21.91 RAL 351.71 RAD 6567.7 VEL 11.798 PTH 2.09 VHP 7.543 DPA -9.92 RAP 5.03 ECC 1.2932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 5 2949.35 -28.20 92.74 219.02 87.34 1 32 15 2349.4 -28.27 84.08
 90.00 19 6 26 4069.03 -4.18 164.66 212.22 61.97 20 14 15 3469.0 -7.90 157.96
 100.00 2 19 56 2637.11 -29.88 69.83 219.08 89.11 3 3 53 2037.1 -29.68 61.03
 100.00 20 12 17 3856.51 -2.71 148.23 211.40 60.22 21 16 34 3256.5 -6.65 141.67
 110.00 4 0 27 2322.64 -34.02 45.83 218.97 93.60 4 39 9 1722.6 -33.14 36.70
 110.00 20 48 15 3743.74 .80 137.50 209.21 55.83 21 50 39 3143.7 -3.69 131.29

DIFFERENTIAL CORRECTIONS

TDE 1.5462 TRA -.6107 TC3-5.2936 BAU 1.2615
 RDE .2583 RRA -.0581 RC3 .1608 FAU .02794
 FDE .5605 FRA .3670 FC3-1.3577 BSP 15985
 BDE 1.5677 BRA .6135 BC3 5.2960 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 5017.4 SGR 385.5 SG3 127.6
 RRT .1062 RRF .1152 RTF .8420
 SGB 5032.2 R23 .0254 R13 .8420
 SGI 5017.6 SG2 383.3 THA .47

ORBIT DETERMINATION ACCURACY

ST 2120.1 SR 351.6 SS 507.3
 CRT .9957 CRS -.9592 CST -.9442
 LSA 2201.9 MSA 163.6 SSA 24.9
 EL1 2148.9 EL2 32.1 ALF 9.38

LAUNCH DATE JAN 4 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 496.897

RL 147.10 LAL .00 LOL 103.19 VL 26.494 GAL -1.14 AZL 86.49 HCA 252.52 SMA 120.37 ECC .22287 INC 3.5122 V1 30.287
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.588 GAP 11.64 AZP 91.06 TAL 183.97 TAP 76.49 RCA 93.54 APO 147.20 V2 34.854
 RC 184.407 GL 22.67 GP -7.51 ZAL 97.27 ZAP 169.53 ETS 315.46 ZAE 131.48 ETE 186.96 ZAC 99.13 ETC 167.70 CLP-172.69

PLANETOCENTRIC CONIC

C3 17.731 VHL 4.211 DLA 22.80 RAL 355.33 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 7.676 DPA -8.63 RAP 7.17 ECC 1.2918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 40 2990.66 -28.04 95.75 222.85 85.84 1 35 30 2390.7 -28.32 87.10
 90.00 19 32 44 4025.47 -5.57 162.22 216.18 62.19 20 39 49 3425.5 -9.25 155.47
 100.00 2 24 5 2673.32 -29.81 72.52 222.97 87.70 3 8 38 2073.3 -29.81 63.71
 100.00 20 37 0 3818.04 -4.01 146.12 215.32 60.35 21 40 38 3218.0 -7.92 139.52
 110.00 4 7 14 2350.58 -34.11 48.01 222.96 92.32 4 46 25 1750.6 -33.42 38.83
 110.00 21 10 20 3713.54 -.35 135.92 213.05 55.82 22 12 13 3113.5 -4.84 129.70

DIFFERENTIAL CORRECTIONS

TDE 1.6162 TRA -.3981 TC3-5.3696 BAU 1.2733
 RDE .2656 RRA -.0624 RC3 .1532 FAU .02648
 FDE .5539 FRA .4069 FC3-1.2930 BSP 16097
 BDE 1.6378 BRA .4030 BC3 5.3717 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 5062.6 SGR 394.7 SG3 125.6
 RRT .1329 RRF .1335 RTF .8461
 SGB 5078.0 R23 .0205 R13 .8461
 SGI 5062.9 SG2 391.2 THA .60

ORBIT DETERMINATION ACCURACY

ST 2210.3 SR 362.5 SS 514.4
 CRT .9974 CRS -.9507 CST -.9509
 LSA 2292.7 MSA 155.5 SSA 25.7
 EL1 2239.7 EL2 25.8 ALF 9.29

LAUNCH DATE JAN 4 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 502.455

RL 147.10 LAL .00 LOL 103.19 VL 26.435 GAL -59 AZL 86.58 HCA 255.69 SMA 120.03 ECC .22571 INC 3.4205 V1 30.287
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.584 GAP 11.88 AZP 90.85 TAL 182.03 TAP 77.72 RCA 92.94 APO 147.12 V2 34.863
 RC 186.379 GL 21.96 GP -7.24 ZAL 93.81 ZAP 170.20 ETS 313.78 ZAE 131.66 ETE 186.79 ZAC 101.47 ETC 168.01 CLP-173.38

PLANETOCENTRIC CONIC

C3 17.786 VHL 4.217 DLA 23.66 RAL 359.09 RAD 6567.7 VEL 11.797 PTH 2.09 VMP 7.818 DPA -7.35 RAP 9.32 ECC 1.2927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 48 10 3035.47 -27.77 99.00 226.92 84.23 1 38 45 2435.5 -28.28 90.37
 90.00 20 0 13 3982.09 -6.94 159.77 220.44 62.48 21 6 35 3382.1 -10.57 152.97
 100.00 2 28 27 2712.16 -29.67 75.40 227.10 86.19 3 13 39 2112.2 -29.88 66.60
 100.00 21 2 37 3780.63 -5.26 144.05 219.52 60.53 22 5 38 3180.6 -9.15 137.42
 110.00 4 14 31 2380.32 -34.17 50.33 227.23 90.95 4 54 11 1780.3 -33.66 41.12
 110.00 21 33 2 3685.24 -1.44 134.44 217.14 55.84 22 34 28 3085.2 -5.91 128.21

DIFFERENTIAL CORRECTIONS

TDE 1.6828 TRA -1.1770 TC3-5.4066 BAU 1.2860
 RDE .2738 RRA -.0652 RC3 .1432 FAU .02512
 FDE .5445 FRA .4465 FC3-1.2226 BSP 16278
 BDE 1.7049 BRA .1887 BC3 5.4085 FSP -398

MID-COURSE EXECUTION ACCURACY

SGT 5108.0 SGR 402.9 SG3 123.7
 RRT .1579 RRF .1501 RTF .8506
 SGB 5123.8 R23 .0151 R13 .8507
 SGI 5108.4 SG2 397.8 TMA .72

ORBIT DETERMINATION ACCURACY

ST 2291.6 SR 373.1 S5 517.8
 CRT .9966 CRS -.9415 CST -.9562
 LSA 2374.0 MSA 149.5 SSA 26.2
 EL1 2321.6 EL2 30.1 ALF 9.22

LAUNCH DATE JAN 4 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 507.991

RL 147.10 LAL .00 LOL 103.19 VL 26.377 GAL -.03 AZL 86.67 HCA 258.86 SMA 119.70 ECC .22887 INC 3.3313 V1 30.287
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.522 GAP 12.14 AZP 90.64 TAL 180.10 TAP 78.96 RCA 92.30 APO 147.10 V2 34.873
 RC 188.330 GL 21.18 GP -7.00 ZAL 90.27 ZAP 170.83 ETS 311.76 ZAE 131.84 ETE 186.63 ZAC 103.83 ETC 168.28 CLP-174.06

PLANETOCENTRIC CONIC

C3 17.993 VHL 4.242 DLA 24.48 RAL 2.97 RAD 6567.7 VEL 11.806 PTH 2.09 VMP 7.970 DPA -6.10 RAP 11.49 ECC 1.2961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 41 3083.39 -27.40 102.46 231.20 82.54 1 42 4 2483.4 -28.14 93.87
 90.00 20 28 39 3939.37 -8.27 157.35 224.97 62.82 21 34 19 3339.6 -11.85 150.50
 100.00 2 33 7 2753.08 -29.45 78.42 231.47 84.61 3 19 0 2153.1 -29.88 69.64
 100.00 21 28 53 3745.11 -6.45 142.08 223.99 60.75 22 31 19 3145.1 -10.30 135.41
 110.00 4 22 21 2411.34 -34.18 52.75 231.75 89.51 5 2 33 1811.3 -33.87 43.52
 110.00 21 56 9 3659.62 -2.42 133.11 221.49 55.89 22 57 9 3059.6 -6.88 126.86

DIFFERENTIAL CORRECTIONS

TDE 1.6914 TRA -.0179 TC3-5.4303 BAU 1.3066
 RDE .2786 RRA -.0711 RC3 .1278 FAU .02470
 FDE .4765 FRA .4263 FC3-1.1886 BSP 17061
 BDE 1.7142 BRA .0733 BC3 5.4318 FSP -440

MID-COURSE EXECUTION ACCURACY

SGT 5142.3 SGR 405.5 SG3 116.9
 RRT .1741 RRF .1206 RTF .8765
 SGB 5158.3 R23 -.0335 R13 .8764
 SGI 5142.8 SG2 399.3 TMA .79

ORBIT DETERMINATION ACCURACY

ST 2288.8 SR 377.6 S5 462.5
 CRT .9944 CRS -.9307 CST -.9582
 LSA 2361.5 MSA 134.2 SSA 26.1
 EL1 2319.5 EL2 39.4 ALF 9.32

LAUNCH DATE JAN 4 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 513.503

RL 147.10 LAL .00 LOL 103.19 VL 26.320 GAL .56 AZL 86.76 HCA 262.04 SMA 119.38 ECC .23238 INC 3.2440 V1 30.287
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.491 GAP 12.42 AZP 90.45 TAL 178.16 TAP 80.20 RCA 91.64 APO 147.12 V2 34.884
 RC 190.259 GL 20.34 GP -6.78 ZAL 86.67 ZAP 171.42 ETS 309.36 ZAE 132.02 ETE 186.50 ZAC 106.20 ETC 168.51 CLP-174.74

PLANETOCENTRIC CONIC

C3 18.366 VHL 4.286 DLA 25.23 RAL 6.95 RAD 6567.7 VEL 11.822 PTH 2.09 VMP 8.133 DPA -4.87 RAP 13.66 ECC 1.3023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 14 3134.08 -26.89 106.08 235.68 80.79 1 45 28 2534.1 -27.89 97.56
 90.00 20 57 52 3898.48 -9.54 155.00 229.77 63.21 22 2 51 3298.5 -13.06 148.09
 100.00 2 38 15 2795.53 -29.14 81.54 236.04 83.00 3 24 50 2195.5 -29.80 72.80
 100.00 21 55 33 3712.26 -7.54 140.25 228.70 60.99 22 57 25 3112.3 -11.55 133.53
 110.00 4 30 52 2443.17 -34.13 55.24 236.50 88.04 5 11 35 1843.2 -34.03 45.99
 110.00 22 19 25 3637.38 -3.26 131.94 226.07 55.95 23 20 2 3037.4 -7.71 125.68

DIFFERENTIAL CORRECTIONS

TDE 1.8109 TRA .2976 TC3-5.3260 BAU 1.3081
 RDE .2936 RRA -.0664 RC3 .1180 FAU .02242
 FDE .5251 FRA .5232 FC3-1.0568 BSP 16623
 BDE 1.8346 BRA .3049 BC3 5.3273 FSP -387

MID-COURSE EXECUTION ACCURACY

SGT 5186.0 SGR 417.1 SG3 119.4
 RRT .2061 RRF .1876 RTF .8613
 SGB 5202.7 R23 .0093 R13 .8613
 SGI 5186.7 SG2 408.1 TMA .96

ORBIT DETERMINATION ACCURACY

ST 2428.6 SR 393.7 S5 519.9
 CRT .9896 CRS -.9225 CST -.9651
 LSA 2510.3 MSA 143.8 SSA 26.0
 EL1 2459.6 EL2 55.9 ALF 9.12

LAUNCH DATE JAN 4 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 518.986

RL 147.10 LAL .00 LOL 103.19 VL 26.264 GAL 1.17 AZL 86.84 HCA 265.22 SMA 119.06 ECC .23627 INC 3.1580 V1 30.287
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.462 GAP 12.72 AZP 90.26 TAL 176.22 TAP 81.44 RCA 90.93 APO 147.19 V2 34.895
 RC 192.167 GL 19.42 GP -6.58 ZAL 83.04 ZAP 171.98 ETS 306.51 ZAE 132.20 ETE 186.38 ZAC 108.58 ETC 168.70 CLP-175.41

PLANETOCENTRIC CONIC

C3 18.923 VHL 4.350 DLA 25.91 RAL 11.01 RAD 6567.8 VEL 11.845 PTH 2.10 VMP 8.309 DPA -3.66 RAP 15.85 ECC 1.3114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 59 3186.80 -26.27 109.82 240.32 79.02 1 49 6 2586.8 -27.52 101.37
 90.00 21 27 29 3859.78 -10.72 152.77 234.80 63.63 22 31 48 3259.8 -14.17 145.80
 100.00 2 43 59 2838.61 -28.74 84.68 240.80 81.39 3 31 18 2238.6 -29.63 75.99
 100.00 22 22 9 3683.21 -8.49 138.62 233.63 61.23 23 23 33 3083.2 -12.27 131.87
 110.00 4 40 9 2475.15 -34.03 57.73 241.46 86.57 5 21 24 1875.2 -34.13 48.48
 110.00 22 42 29 3619.43 -3.95 131.00 230.84 56.02 23 42 48 3019.4 -8.38 124.72

DIFFERENTIAL CORRECTIONS

TDE 1.8740 TRA .5583 TC3-5.1987 BAU 1.3154
 RDE .3055 RRA -.0642 RC3 .1038 FAU .02104
 FDE .5164 FRA .5653 FC3 -.9628 BSP 16680
 BDE 1.8988 BRA .5620 BC3 5.1997 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 5217.1 SGR 423.0 SG3 117.5
 RRT .2302 RRF .2091 RTF .8660
 SGB 5234.2 R23 .0087 R13 .8660
 SGI 5218.0 SG2 411.6 TMA 1.08

ORBIT DETERMINATION ACCURACY

ST 2484.2 SR 403.4 S5 520.1
 CRT .9839 CRS -.9123 CST -.9685
 LSA 2565.7 MSA 145.2 SSA 25.3
 EL1 2515.7 EL2 71.2 ALF 9.08

LAUNCH DATE JAN 4 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 524.437

RL 147.10 LAL .00 LOL 103.19 VL 26.210 GAL 1.80 AZL 86.93 HCA 268.40 SMA 118.76 ECC .24057 INC 3.0727 V1 30.287
RP 108.57 LAP -3.07 LOP 11.59 VP 36.433 GAP 13.04 AZP 90.09 TAL 174.30 TAP 82.70 RCA 90.19 APO 147.33 V2 34.906
RC 194.054 GL 18.45 GP -6.40 ZAL 79.40 ZAP 172.50 ETS 303.17 ZAE 132.37 ETE 186.28 ZAC 110.97 ETC 168.86 CLP-176.09

PLANETOCENTRIC CONIC

C3 19.683 VHL 4.437 OLA 26.49 RAL 15.10 RAD 6567.8 VEL 11.877 PTH 2.11 VHP 8.498 DPA -2.48 RAP 18.05 ECC 1.3239
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 0 59 4 3240.73 -25.51 113.58 245.09 77.28 1 53 5 2640.7 -27.01 105.24
90.00 21 57 4 3824.47 -11.78 150.72 240.02 64.06 23 0 48 3224.5 -15.17 143.68
100.00 2 50 33 2881.33 -28.26 87.76 245.71 79.84 3 38 34 2281.3 -29.38 79.14
100.00 22 48 16 3659.11 -9.28 137.26 238.71 61.46 23 49 15 3059.1 -13.02 130.47
110.00 4 50 17 2506.68 -33.88 60.18 246.58 85.13 5 32 4 1906.7 -34.18 50.95
110.00 23 5 1 3606.52 -4.44 130.33 235.76 56.07 24 5 8 3006.5 -8.86 124.03

DIFFERENTIAL CORRECTIONS

TOE 1.9253 TRA .8265 TC3-5.0310 BAU 1.3241
ROE .3183 RRA -.0606 RC3 .0886 FAU .01984
FOE .5030 FRA .6043 FC3 -.8725 BSP 16855
BOE 1.9515 BRA .8287 BC3 5.0318 FSP -376

MID-COURSE EXECUTION ACCURACY

SGT 5247.1 SGR 427.6 SG3 115.3
RRT .2528 RRF .2277 RTF .8725
SGB 5264.5 R23 .0059 R13 .8726
SGI 5248.3 SG2 413.6 TMA 1.19

ORBIT DETERMINATION ACCURACY

ST 2515.7 SR 412.0 SS 514.4
CRT .9770 CR5 -.9012 CST -.9712
LSA 2596.2 MSA 148.3 SSA 24.3
ELI 2547.7 EL2 86.7 ALF 9.10

LAUNCH DATE JAN 4 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 529.851

RL 147.10 LAL .00 LOL 103.19 VL 26.156 GAL 2.46 AZL 87.01 HCA 271.58 SMA 118.46 ECC .24532 INC 2.9876 V1 30.287
RP 108.53 LAP -2.99 LOP 14.77 VP 36.406 GAP 13.38 AZP 89.92 TAL 172.38 TAP 83.96 RCA 89.40 APO 147.52 V2 34.918
RC 195.918 GL 17.43 GP -6.24 ZAL 75.79 ZAP 172.97 ETS 299.27 ZAE 132.54 ETE 186.19 ZAC 113.36 ETC 168.97 CLP-176.77

PLANETOCENTRIC CONIC

C3 20.669 VHL 4.546 OLA 26.98 RAL 19.20 RAD 6567.8 VEL 11.918 PTH 2.12 VHP 8.701 DPA -1.31 RAP 20.26 ECC 1.3402
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 2 45 3294.70 -24.65 117.30 249.95 75.60 1 57 39 2694.7 -26.39 109.07
90.00 22 26 7 3793.82 -12.68 148.92 245.38 64.47 23 29 20 3193.8 -16.02 141.83
100.00 2 58 10 2922.60 -27.73 90.72 250.75 78.37 3 46 53 2322.6 -29.05 82.16
100.00 23 13 22 3641.16 -9.86 136.25 243.92 61.64 24 14 3 3041.2 -13.58 129.43
110.00 5 1 20 2537.19 -33.67 62.54 251.84 83.75 5 43 37 1937.2 -34.17 53.33
110.00 23 26 41 3599.33 -4.71 129.95 240.78 56.10 24 26 41 2999.3 -9.13 123.65

DIFFERENTIAL CORRECTIONS

TOE 1.9701 TRA 1.1098 TC3-4.8138 BAU 1.3304
ROE .3324 RRA -.0553 RC3 .0735 FAU .01861
FOE .4896 FRA .6451 FC3 -.7793 BSP 16990
BOE 1.9979 BRA 1.1112 BC3 4.8144 FSP -371

MID-COURSE EXECUTION ACCURACY

SGT 5271.3 SGR 431.3 SG3 113.1
RRT .2747 RRF .2474 RTF .8786
SGB 5288.9 R23 .0047 R13 .8786
SGI 5272.6 SG2 414.6 TMA 1.30

ORBIT DETERMINATION ACCURACY

ST 2530.5 SR 419.5 SS 507.7
CRT .9690 CR5 -.8894 CST -.9735
LSA 2610.1 MSA 153.7 SSA 23.0
ELI 2563.0 EL2 102.4 ALF 9.14

LAUNCH DATE JAN 4 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 535.221

RL 147.10 LAL .00 LOL 103.19 VL 26.103 GAL 3.15 AZL 87.10 HCA 274.77 SMA 118.17 ECC .25056 INC 2.9023 V1 30.287
RP 108.49 LAP -2.89 LOP 17.96 VP 36.379 GAP 13.74 AZP 89.76 TAL 170.47 TAP 85.24 RCA 88.56 APO 147.78 V2 34.930
RC 197.761 GL 16.37 GP -6.09 ZAL 72.22 ZAP 173.40 ETS 294.74 ZAE 132.70 ETE 186.10 ZAC 115.78 ETC 169.04 CLP-177.44

PLANETOCENTRIC CONIC

C3 21.912 VHL 4.681 OLA 27.35 RAL 23.28 RAD 6567.9 VEL 11.970 PTH 2.13 VHP 8.921 DPA -.16 RAP 22.48 ECC 1.3606
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 7 26 3347.00 -23.72 120.85 254.90 74.06 2 3 13 2747.0 -25.68 112.73
90.00 22 53 55 3769.60 -13.39 147.49 250.82 64.81 23 56 44 3169.6 -16.67 140.36
100.00 3 7 6 2961.21 -27.17 93.45 255.88 77.03 3 56 27 2361.2 -28.68 84.97
100.00 23 36 55 3630.63 -10.20 135.65 249.18 61.75 24 37 26 3030.6 -13.90 128.81
110.00 5 13 19 2566.22 -33.44 64.77 257.20 82.44 5 56 6 1966.2 -34.12 55.59
110.00 23 47 11 3598.58 -4.75 129.90 245.87 56.11 24 47 10 2998.4 -9.17 123.60

DIFFERENTIAL CORRECTIONS

TOE 2.0072 TRA 1.4078 TC3-4.5572 BAU 1.3351
ROE .3475 RRA -.0481 RC3 .0590 FAU .01741
FOE .4756 FRA .6869 FC3 -.6880 BSP 17113
BOE 2.0371 BRA 1.4086 BC3 4.5575 FSP -367

MID-COURSE EXECUTION ACCURACY

SGT 5291.7 SGR 434.0 SG3 111.0
RRT .2963 RRF .2677 RTF .8849
SGB 5309.5 R23 .0040 R13 .8849
SGI 5293.3 SG2 414.4 TMA 1.40

ORBIT DETERMINATION ACCURACY

ST 2528.1 SR 425.8 SS 499.5
CRT .9598 CR5 -.8768 CST -.9754
LSA 2606.9 MSA 160.9 SSA 21.7
ELI 2561.0 EL2 118.0 ALF 9.20

LAUNCH DATE JAN 4 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 540.542

RL 147.10 LAL .00 LOL 103.19 VL 26.051 GAL 3.88 AZL 87.18 HCA 277.96 SMA 117.88 ECC .25634 INC 2.8160 V1 30.287
RP 108.45 LAP -2.79 LOP 21.15 VP 36.354 GAP 14.14 AZP 89.61 TAL 168.57 TAP 86.53 RCA 87.67 APO 148.10 V2 34.942
RC 199.580 GL 15.29 GP -5.95 ZAL 68.73 ZAP 173.76 ETS 289.55 ZAE 132.85 ETE 186.03 ZAC 118.16 ETC 169.08 CLP-178.13

PLANETOCENTRIC CONIC

C3 23.443 VHL 4.842 OLA 27.62 RAL 27.28 RAD 6568.0 VEL 12.034 PTH 2.15 VHP 9.160 DPA .96 RAP 24.71 ECC 1.3858
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 1 13 48 3395.08 -22.78 124.06 259.91 72.71 2 10 23 2795.1 -24.93 116.06
90.00 23 19 31 3754.36 -13.83 146.59 256.27 65.04 24 22 5 3154.4 -17.08 139.42
100.00 3 17 35 2996.01 -26.62 95.89 261.09 75.87 4 7 31 2396.0 -28.30 87.49
100.00 0 2 20 3628.68 -10.27 135.54 254.45 61.77 1 2 49 3028.7 -13.96 128.70
110.00 5 26 14 2593.42 -33.17 66.85 262.62 81.24 6 9 27 1993.4 -34.03 57.71
110.00 0 10 11 3604.01 -4.53 130.20 250.96 56.08 1 10 15 3004.0 -8.96 123.90

DIFFERENTIAL CORRECTIONS

TOE 2.0388 TRA 1.7252 TC3-4.2626 BAU 1.3360
ROE .3637 RRA -.0390 RC3 .0457 FAU .01619
FOE .4621 FRA .7316 FC3 -.9980 BSP 17133
BOE 2.0710 BRA 1.7257 BC3 4.2629 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 5307.4 SGR 435.8 SG3 108.9
RRT .3180 RRF .2891 RTF .8910
SGB 5325.2 R23 .0042 R13 .8910
SGI 5309.2 SG2 413.0 TMA 1.50

ORBIT DETERMINATION ACCURACY

ST 2512.8 SR 430.6 SS 491.2
CRT .9494 CR5 -.8632 CST -.9772
LSA 2590.7 MSA 169.5 SSA 20.4
ELI 2545.9 EL2 133.5 ALF 9.27

LAUNCH DATE JAN 4 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 545.804

RL 147.10 LAL .00 LOL 103.19 VL 26.000 GAL 4.65 AZL 87.27 MCA 281.15 SMA 117.61 ECC .26272 INC 2.7284 V1 30.287
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.330 GAP 14.57 AZP 89.47 TAL 166.69 TAP 87.84 RCA 86.71 APO 148.50 V2 34.955
 RC 201.376 GL 14.19 GP -5.83 ZAL 65.34 ZAP 174.05 ETS 283.68 ZAE 133.00 ETE 185.97 ZAC 120.56 ETC 169.07 CLP -178.81

PLANETOCENTRIC CONIC

C3 25.305 VHL 5.030 DLA 27.78 RAL 31.19 RAD 6568.0 VEL 12.111 PTH 2.17 VMP 9.418 DPA 2.06 RAP 26.94 ECC 1.4165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 50 3435.38 -21.94 126.72 264.99 71.64 2 20 5 2835.4 -24.25 118.81
 90.00 23 41 41 3751.58 -13.91 146.42 261.65 65.08 24 44 13 3151.6 -17.15 139.25
 100.00 3 29 47 3026.10 -26.10 97.97 266.36 74.88 4 20 13 2426.1 -27.92 89.64
 100.00 0 21 20 3636.09 -10.03 135.96 259.66 61.69 1 21 56 3036.1 -13.73 129.13
 110.00 5 39 59 2618.64 -32.90 68.77 268.09 80.14 6 23 38 2018.6 -33.91 59.67
 110.00 0 27 38 3616.32 -4.07 130.84 256.04 56.03 1 27 54 3016.3 -8.50 124.56

DIFFERENTIAL CORRECTIONS

TDE 2.0576 TRA 2.0556 TC3-3.9508 BAU 1.3366
 RDE .3805 RRA -.0283 RC3 .0334 FAU .01507
 FDE .4470 FRA .7768 FC3 -.5155 BSP 17232
 BOE 2.0925 BRA 2.0558 BC3 3.9509 FSP -354

MID-COURSE EXECUTION ACCURACY

SGT 5319.2 SGR 436.2 SG3 106.8
 RRT .3386 RRF .3094 RTF .8974
 SGB 5337.1 R23 .0039 R13 .8974
 SG1 5321.3 SG2 410.3 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 2477.3 SR 433.6 SS 481.0
 CRT .9376 CRS -.8481 CST -.9787
 LSA 2554.2 MSA 179.1 SSA 19.1
 EL1 2510.5 EL2 148.8 ALF 9.35

LAUNCH DATE JAN 4 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC

DISTANCE 550.998

RL 147.10 LAL .00 LOL 103.19 VL 25.950 GAL 5.45 AZL 87.36 MCA 284.34 SMA 117.34 ECC .26976 INC 2.6387 V1 30.287
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.306 GAP 15.04 AZP 89.35 TAL 164.83 TAP 89.17 RCA 85.68 APO 148.99 V2 34.968
 RC 203.147 GL 13.10 GP -5.72 ZAL 62.07 ZAP 174.26 ETS 277.18 ZAE 133.13 ETE 185.91 ZAC 122.95 ETC 169.01 CLP -179.51

PLANETOCENTRIC CONIC

C3 27.546 VHL 5.248 DLA 27.83 RAL 34.98 RAD 6568.1 VEL 12.203 PTH 2.19 VMP 9.700 DPA 3.14 RAP 29.19 ECC 1.4533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 29 3464.42 -21.31 128.61 270.18 70.89 2 33 13 2864.4 -23.72 120.77
 90.00 0 3 10 3764.61 -13.53 147.20 266.87 64.89 1 5 54 3164.6 -16.81 140.05
 100.00 3 43 42 3051.07 -25.64 99.69 271.67 74.09 4 34 33 2451.1 -27.58 91.42
 100.00 0 37 37 3653.19 -9.47 136.93 264.78 61.52 1 38 30 3053.2 -13.21 130.13
 110.00 5 54 27 2641.88 -32.61 70.52 273.57 79.14 6 38 29 2041.9 -33.77 61.47
 110.00 0 43 22 3635.15 -3.35 131.83 261.04 55.96 1 43 57 3035.1 -7.79 125.56

DIFFERENTIAL CORRECTIONS

TDE 2.0675 TRA 2.4044 TC3-3.6241 BAU 1.3347
 RDE .3980 RRA -.0157 RC3 .0228 FAU .01397
 FDE .4317 FRA .8240 FC3 -.4389 BSP 17315
 BOE 2.1054 BRA 2.4045 BC3 3.6242 FSP -349

MID-COURSE EXECUTION ACCURACY

SGT 5326.9 SGR 435.6 SG3 104.7
 RRT .3587 RRF .3038 RTF .9038
 SGB 5344.7 R23 .0039 R13 .9038
 SG1 5329.2 SG2 406.4 THA 1.69

ORBIT DETERMINATION ACCURACY

ST 2429.0 SR 434.5 SS 470.7
 CRT .9241 CRS -.8318 CST -.9801
 LSA 2504.8 MSA 189.4 SSA 17.9
 EL1 2462.1 EL2 163.8 ALF 9.43

LAUNCH DATE JAN 4 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC

DISTANCE 556.112

RL 147.10 LAL .00 LOL 103.19 VL 25.901 GAL 6.30 AZL 87.45 MCA 287.53 SMA 117.07 ECC .27753 INC 2.5463 V1 30.287
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.284 GAP 15.55 AZP 89.23 TAL 163.00 TAP 90.53 RCA 84.58 APO 149.57 V2 34.981
 RC 204.893 GL 12.01 GP -5.61 ZAL 58.93 ZAP 174.38 ETS 270.16 ZAE 133.26 ETE 185.85 ZAC 125.34 ETC 168.91 CLP 179.78

PLANETOCENTRIC CONIC

C3 30.227 VHL 5.498 DLA 27.79 RAL 38.61 RAD 6568.2 VEL 12.313 PTH 2.22 VMP 10.008 DPA 4.19 RAP 31.44 ECC 1.4975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 56 3481.23 -20.93 129.70 275.46 70.48 2 49 58 2881.2 -23.40 121.90
 90.00 0 15 42 3794.23 -12.67 148.94 271.89 64.46 1 18 56 3194.2 -16.01 141.86
 100.00 3 59 9 3071.14 -25.26 101.06 277.00 73.47 4 50 20 2471.1 -27.29 92.84
 100.00 0 51 11 3679.54 -8.61 138.41 269.78 61.26 1 52 30 3079.5 -12.38 131.66
 110.00 6 9 27 2663.33 -32.33 72.13 279.03 78.23 6 53 51 2063.3 -33.61 63.13
 110.00 0 57 22 3660.12 -2.40 133.13 265.96 55.89 1 58 22 3060.1 -6.86 126.89

DIFFERENTIAL CORRECTIONS

TDE 2.0729 TRA 2.7780 TC3-3.2833 BAU 1.3268
 RDE .4162 RRA -.0011 RC3 .0140 FAU .01284
 FDE .4178 FRA .8750 FC3 -.3676 BSP 17279
 BOE 2.1142 BRA 2.7780 BC3 3.2834 FSP -341

MID-COURSE EXECUTION ACCURACY

SGT 5330.0 SGR 434.0 SG3 102.8
 RRT .3792 RRF .3512 RTF .9104
 SGB 5347.7 R23 .0043 R13 .9104
 SG1 5332.6 SG2 401.4 THA 1.78

ORBIT DETERMINATION ACCURACY

ST 2375.3 SR 433.7 SS 461.9
 CRT .9090 CRS -.8146 CST -.9816
 LSA 2450.1 MSA 200.0 SSA 16.7
 EL1 2408.0 EL2 178.3 ALF 9.48

LAUNCH DATE JAN 4 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC

DISTANCE 561.131

RL 147.10 LAL .00 LOL 103.19 VL 25.853 GAL 7.21 AZL 87.55 MCA 290.73 SMA 116.82 ECC .28613 INC 2.4506 V1 30.287
 RP 108.29 LAP -2.29 LOP 33.94 VP 36.262 GAP 16.11 AZP 89.13 TAL 161.19 TAP 91.92 RCA 83.39 APO 150.24 V2 34.994
 RC 206.614 GL 10.94 GP -5.52 ZAL 55.94 ZAP 174.40 ETS 262.84 ZAE 133.36 ETE 185.80 ZAC 127.71 ETC 168.75 CLP 179.06

PLANETOCENTRIC CONIC

C3 33.421 VHL 5.781 DLA 27.66 RAL 42.08 RAD 6568.3 VEL 12.442 PTH 2.25 VMP 10.345 DPA 5.21 RAP 33.69 ECC 1.5500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 17 3488.43 -20.76 130.16 280.81 70.30 3 9 25 2888.4 -23.26 122.38
 90.00 0 24 1 3837.56 -11.39 151.48 276.69 63.90 1 27 59 3237.6 -14.80 144.47
 100.00 4 15 47 3087.05 -24.95 102.14 282.31 72.98 5 7 14 2487.0 -27.04 93.96
 100.00 1 2 12 3714.18 -7.47 140.35 274.62 60.97 2 4 6 3114.2 -11.29 133.64
 110.00 6 24 48 2683.29 -32.04 73.61 284.45 77.39 7 9 32 2083.3 -33.44 64.66
 110.00 1 9 40 3690.70 -1.23 134.73 270.77 55.84 2 11 11 3090.7 -5.70 128.50

DIFFERENTIAL CORRECTIONS

TDE 2.0668 TRA 3.1663 TC3-2.9520 BAU 1.3190
 RDE .4344 RRA .0151 RC3 .0067 FAU .01181
 FDE .4027 FRA .9273 FC3 -.3059 BSP 17369
 BOE 2.1120 BRA 3.1664 BC3 2.9520 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 5329.0 SGR 431.0 SG3 100.8
 RRT .3986 RRF .3711 RTF .9170
 SGB 5346.4 R23 .0039 R13 .9170
 SG1 5331.7 SG2 395.0 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 2310.0 SR 430.6 SS 452.4
 CRT .8921 CRS -.7955 CST -.9829
 LSA 2385.7 MSA 210.4 SSA 15.7
 EL1 2342.0 EL2 191.9 ALF 9.51

LAUNCH DATE JAN 4 1966

FLIGHT TIME 102.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC

DISTANCE 566.037

RL 147.10 LAL .00 LOL 103.19 VL 25.806 GAL 8.18 AZL 87.65 MCA 293.93 SMA 116.57 ECC .29566 INC 2.3507 V1 30.287
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.242 GAP 16.72 AZP 89.05 TAL 159.43 TAP 93.35 RCA 82.10 APO 151.03 V2 35.007
 RC 208.309 GL 9.89 GP -5.43 ZAL 53.10 ZAP 174.32 ETS 255.44 ZAE 133.45 ETE 185.75 ZAC 130.07 ETC 168.54 CLP 178.33

PLANETOCENTRIC CONIC

C3 37.217 VHL 6.101 DLA 27.45 RAL 45.36 RAD 6568.5 VEL 12.593 PTH 2.28 VMP 10.715 DPA 6.20 RAP 35.95 ECC 1.6125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 7 3490.14 -20.72 130.27 286.15 70.26 3 30 17 2890.1 -23.23 122.90
 90.00 0 29 22 3890.19 -9.79 154.52 281.30 63.30 1 34 12 3290.2 -13.30 147.60
 100.00 4 33 12 3099.84 -24.69 103.00 287.59 72.59 5 24 51 2499.8 -26.84 94.86
 100.00 1 10 59 3755.72 -6.10 142.67 279.31 60.68 2 13 35 3155.7 -9.96 136.01
 110.00 6 40 18 2702.10 -31.75 75.00 289.80 76.61 7 25 20 2102.1 -33.26 66.10
 110.00 1 20 22 3726.23 .13 136.58 275.46 55.82 2 22 29 3126.2 -4.35 130.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0541 TRA 3.5797 TC3-2.6257 BAU 1.3064 SGT 5323.4 SGR 426.8 SG3 98.9 ST 2241.1 SR 425.5 SS 444.3
 ROE .4529 RRA .0330 RC3 .0011 FAU .01080 RRT .4176 RRF .3911 RTF .9237 CRT .8730 CRS -.7752 CST -.9843
 FDE .3881 FRA .9830 FC3 -.2512 BSP 17430 SGB 5340.5 R23 .0036 R13 .9238 LSA 2313.5 MSA 220.5 SSA 14.8
 BOE 2.1034 BRA 3.5798 BC3 2.6257 FSP -332 SG1 5326.4 SG2 387.6 TMA 1.93 EL1 2271.9 EL2 204.7 ALF 9.49

LAUNCH DATE JAN 4 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 570.808

RL 147.10 LAL .00 LOL 103.19 VL 25.760 GAL 9.21 AZL 87.75 MCA 297.13 SMA 116.33 ECC .30623 INC 2.2456 V1 30.287
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.222 GAP 17.39 AZP 88.98 TAL 157.70 TAP 94.83 RCA 80.71 APO 151.95 V2 35.020
 RC 209.976 GL 8.87 GP -5.35 ZAL 50.43 ZAP 174.13 ETS 248.22 ZAE 133.51 ETE 185.70 ZAC 132.41 ETC 168.27 CLP 177.57

PLANETOCENTRIC CONIC

C3 41.727 VHL 6.460 DLA 27.18 RAL 48.45 RAD 6568.6 VEL 12.771 PTH 2.32 VMP 11.123 DPA 7.16 RAP 38.21 ECC 1.6867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 22 3489.58 -20.74 130.24 291.44 70.27 3 51 32 2889.6 -23.24 122.46
 90.00 0 32 47 3948.53 -7.99 157.86 285.73 62.74 1 38 35 3348.5 -11.58 151.02
 100.00 4 50 56 3110.58 -24.47 103.72 292.81 72.28 5 42 47 2510.6 -26.67 95.61
 100.00 1 17 54 3802.76 -4.52 145.27 283.85 60.42 2 21 17 3202.8 -8.43 138.66
 110.00 6 55 43 2720.11 -31.46 76.33 295.06 75.88 7 41 3 2120.1 -33.08 67.48
 110.00 1 29 36 3766.00 1.65 138.66 280.01 55.85 2 32 22 3166.0 -2.84 132.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0364 TRA 4.0194 TC3-2.3107 BAU 1.2890 SGT 5313.8 SGR 421.4 SG3 97.0 ST 2171.7 SR 418.4 SS 437.9
 ROE .4714 RRA .0527 RC3 -.0029 FAU .00980 RRT .4364 RRF .4110 RTF .9305 CRT .8520 CRS -.7540 CST -.9858
 FDE .3744 FRA 1.0429 FC3 -.2033 BSP 17471 SGB 5350.5 R23 .0032 R13 .9305 LSA 2242.8 MSA 229.6 SSA 13.9
 BOE 2.0903 BRA 4.0198 BC3 2.3107 FSP -326 SG1 5317.0 SG2 379.0 TMA 1.99 EL1 2201.0 EL2 216.1 ALF 9.41

LAUNCH DATE JAN 4 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 575.416

RL 147.10 LAL .00 LOL 103.19 VL 25.716 GAL 10.32 AZL 87.87 MCA 300.33 SMA 116.09 ECC .31798 INC 2.1342 V1 30.287
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.203 GAP 18.14 AZP 88.92 TAL 156.03 TAP 96.37 RCA 79.18 APO 153.01 V2 35.034
 RC 211.617 GL 7.89 GP -5.28 ZAL 47.92 ZAP 173.83 ETS 241.40 ZAE 133.55 ETE 185.65 ZAC 134.73 ETC 167.94 CLP 176.79

PLANETOCENTRIC CONIC

C3 47.090 VHL 6.862 DLA 26.86 RAL 51.34 RAD 6568.8 VEL 12.979 PTH 2.37 VMP 11.574 DPA 8.09 RAP 40.48 ECC 1.7750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 14 19 3488.73 -20.76 130.18 296.63 70.29 4 12 28 2888.7 -23.25 122.40
 90.00 0 34 54 4010.19 -6.05 161.36 290.02 62.28 1 41 44 3410.2 -9.72 154.59
 100.00 5 8 38 3120.21 -24.27 104.37 297.93 71.99 6 0 38 2520.2 -26.50 96.28
 100.00 1 23 16 3853.95 -2.79 148.09 288.23 60.23 2 27 30 3254.0 -6.74 141.52
 110.00 7 10 54 2737.64 -31.16 77.61 300.22 75.18 7 56 31 2137.6 -32.88 68.80
 110.00 1 37 30 3809.28 3.30 140.92 284.43 55.96 2 40 59 3209.3 -1.19 134.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0187 TRA 4.4926 TC3-2.0075 BAU 1.2638 SGT 5301.9 SGR 415.1 SG3 95.3 ST 2106.9 SR 409.7 SS 434.3
 ROE .4900 RRA .0742 RC3 -.0054 FAU .00875 RRT .4554 RRF .4316 RTF .9372 CRT .8295 CRS -.7329 CST -.9875
 FDE .3627 FRA 1.1084 FC3 -.1609 BSP 17388 SGB 5318.2 R23 .0032 R13 .9372 LSA 2176.9 MSA 237.4 SSA 13.1
 BOE 2.0773 BRA 4.4932 BC3 2.0075 FSP -319 SG1 5305.3 SG2 369.3 TMA 2.05 EL1 2134.4 EL2 225.9 ALF 9.27

LAUNCH DATE JAN 4 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 579.827

RL 147.10 LAL .00 LOL 103.19 VL 25.672 GAL 11.52 AZL 87.98 MCA 303.54 SMA 115.87 ECC .33107 INC 2.0152 V1 30.287
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.185 GAP 18.97 AZP 88.89 TAL 154.43 TAP 97.97 RCA 77.51 APO 154.23 V2 35.047
 RC 213.230 GL 6.95 GP -5.21 ZAL 45.58 ZAP 173.42 ETS 235.10 ZAE 133.56 ETE 185.60 ZAC 137.02 ETC 167.53 CLP 175.98

PLANETOCENTRIC CONIC

C3 53.478 VHL 7.313 DLA 26.49 RAL 54.03 RAD 6568.9 VEL 13.223 PTH 2.42 VMP 12.076 DPA 8.98 RAP 42.70 ECC 1.8801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 34 3488.59 -20.76 130.18 301.70 70.30 4 32 43 2888.6 -23.26 122.39
 90.00 0 36 5 4073.72 -4.03 164.93 294.15 61.95 1 43 59 3473.7 -7.75 158.23
 100.00 5 26 0 3129.38 -24.08 104.98 302.93 71.73 6 18 9 2529.4 -26.35 96.92
 100.00 1 27 21 3908.16 -.96 151.07 292.45 60.12 2 32 29 3308.2 -4.93 144.53
 110.00 7 25 40 2754.91 -30.85 78.86 305.25 74.50 8 11 35 2154.9 -32.67 70.11
 110.00 1 44 9 3855.41 5.06 143.34 288.71 56.15 2 48 25 3255.4 .58 137.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9929 TRA 4.9934 TC3-1.7266 BAU 1.2344 SGT 5284.0 SGR 407.3 SG3 93.5 ST 2040.4 SR 399.0 SS 431.7
 ROE .5082 RRA .0971 RC3 -.0068 FAU .00776 RRT .4732 RRF .4510 RTF .9438 CRT .8048 CRS -.7104 CST -.9891
 FDE .3506 FRA 1.1779 FC3 -.1237 BSP 17425 SGB 5299.7 R23 .0026 R13 .9439 LSA 2109.3 MSA 243.7 SSA 12.4
 BOE 2.0567 BRA 4.9943 BC3 1.7266 FSP -314 SG1 5287.5 SG2 358.5 TMA 2.10 EL1 2065.9 EL2 233.9 ALF 9.06

LAUNCH DATE JAN 4 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 25.630 GAL 12.82 AZL 88.11 HCA 306.75 SMA 115.65 ECC .34572 INC 1.8868 V1 30.287
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.168 GAP 19.89 AZP 88.87 TAL 152.90 TAP 99.65 RCA 75.67 APO 155.63 V2 35.060
 RC 214.816 GL 6.04 GP -5.15 ZAL 43.42 ZAP 172.92 ETS 229.41 ZAE 133.53 ETE 185.54 ZAC 139.27 ETC 167.04 CLP 175.13

PLANETOCENTRIC CONIC
 C3 61.115 VHL 7.818 OLA 26.08 RAL 56.51 RAD 6569.1 VEL 13.508 PTH 2.47 VHP 12.636 DPA 9.83 RAP 44.92 ECC 2.0058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 53 3489.64 -20.74 130.24 306.61 70.27 4 52 3 2889.6 -23.24 122.46
 90.00 0 36 34 4138.14 -1.96 168.53 298.14 61.75 1 45 32 3538.1 -5.72 161.87
 100.00 5 42 47 3138.56 -23.88 105.59 307.79 71.46 6 35 6 2538.6 -26.19 97.55
 100.00 1 30 21 3964.45 .95 154.16 296.53 60.12 2 36 25 3364.4 -3.03 147.63
 110.00 7 39 55 2772.07 -30.53 80.09 310.13 73.83 8 26 7 2172.1 -32.45 71.40
 110.00 1 49 42 3903.71 6.88 145.89 292.85 56.43 2 54 46 3303.7 2.42 139.64

DIFFERENTIAL CORRECTIONS
 TOE 1.9661 TRA 5.5312 TC3-1.4648 BAU 1.1969 SGT 5262.3 SGR 398.3 SG3 91.9 ST 1978.5 SR 386.7 S5 431.5
 ROE .5261 RRA .1215 RC3 -.0071 FAU .00675 RRT .4908 RRF .4701 RTF .9504 CRT .7788 CRS -.6880 CST -.9907
 FDE .3398 FRA 1.2535 FC3 -.0957 BSP 17442 SGB 5277.3 R23 .0019 R13 .9504 LSA 2046.6 MSA 248.2 SSA 11.7
 BDE 2.0353 BRA 5.5325 BC3 1.4649 FSP -309 SGI 5265.9 SG2 346.8 TMA 2.14 EL1 2001.6 EL2 239.8 ALF 8.78

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 4 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 25 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 25.589 GAL 14.24 AZL 88.23 HCA 309.96 SMA 115.44 ECC .36214 INC 1.7472 V1 30.287
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.151 GAP 20.93 AZP 88.88 TAL 151.46 TAP 101.42 RCA 73.63 APO 157.24 V2 35.073
 RC 216.375 GL 5.18 GP -5.09 ZAL 41.43 ZAP 172.32 ETS 224.31 ZAE 133.45 ETE 185.48 ZAC 141.47 ETC 166.48 CLP 174.24

PLANETOCENTRIC CONIC
 C3 70.284 VHL 8.384 OLA 25.64 RAL 58.79 RAD 6569.4 VEL 13.843 PTH 2.53 VHP 13.263 DPA 10.64 RAP 47.12 ECC 2.1567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 9 3491.98 -20.68 130.39 311.35 70.22 5 10 21 2892.0 -23.19 122.62
 90.00 0 36 26 4202.79 .13 172.14 301.98 61.68 1 46 28 3602.8 -3.66 165.50
 100.00 5 58 51 3147.97 -23.67 106.21 312.48 71.20 6 51 19 2548.0 -26.02 98.20
 100.00 1 32 25 4022.02 2.90 157.32 300.45 60.24 2 39 27 3422.0 -1.08 150.80
 110.00 7 53 32 2789.17 -30.20 81.32 314.83 73.17 8 40 1 2189.2 -32.21 72.67
 110.00 1 54 13 3953.59 8.75 148.54 296.85 56.82 3 0 7 3353.6 4.32 142.25

DIFFERENTIAL CORRECTIONS
 TOE 1.9399 TRA 6.1114 TC3-1.2228 BAU 1.1490 SGT 5236.8 SGR 388.1 SG3 90.3 ST 1921.8 SR 373.1 S5 434.1
 ROE .5437 RRA .1472 RC3 -.0066 FAU .00569 RRT .5079 RRF .4890 RTF .9567 CRT .7520 CRS -.6661 CST -.9922
 FDE .3306 FRA 1.3367 FC3 -.0701 BSP 17432 SGB 5251.2 R23 .0013 R13 .9568 LSA 1989.4 MSA 250.4 SSA 11.0
 BDE 2.0146 BRA 6.1132 BC3 1.2228 FSP -304 SGI 5240.6 SG2 334.1 TMA 2.16 EL1 1942.5 EL2 243.3 ALF 8.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 4 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 27 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 25.550 GAL 15.79 AZL 88.41 HCA 313.17 SMA 115.24 ECC .38061 INC 1.5936 V1 30.287
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.136 GAP 22.10 AZP 88.91 TAL 150.14 TAP 103.31 RCA 71.38 APO 159.09 V2 35.086
 RC 217.906 GL 4.35 GP -5.03 ZAL 39.63 ZAP 171.62 ETS 219.78 ZAE 133.32 ETE 185.42 ZAC 143.62 ETC 165.81 CLP 173.29

PLANETOCENTRIC CONIC
 C3 81.353 VHL 9.020 OLA 25.17 RAL 60.85 RAD 6569.6 VEL 14.237 PTH 2.59 VHP 13.971 DPA 11.41 RAP 49.29 ECC 2.3389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 17 3495.51 -20.60 130.62 315.89 70.13 5 27 33 2895.5 -23.12 122.86
 90.00 0 35 44 4267.16 2.21 175.73 305.67 61.76 1 46 51 3667.2 -1.59 169.10
 100.00 6 14 5 3157.67 -23.46 106.85 316.98 70.92 7 6 42 2557.7 -25.85 98.87
 100.00 1 33 38 4080.24 4.86 160.53 304.20 60.47 2 41 38 3480.2 -.89 153.99
 110.00 8 6 26 2806.16 -29.86 82.52 319.34 72.54 8 53 12 2206.2 -31.96 73.94
 110.00 1 57 46 4004.50 10.64 151.28 300.69 57.32 3 4 31 3404.5 6.25 144.93

DIFFERENTIAL CORRECTIONS
 TOE 1.9200 TRA 6.7436 TC3 -.9988 BAU 1.0863 SGT 5209.4 SGR 376.9 SG3 88.8 ST 1872.7 SR 358.3 S5 440.1
 ROE .5611 RRA .1742 RC3 -.0054 FAU .00449 RRT .5250 RRF .5081 RTF .9628 CRT .7255 CRS -.6459 CST -.9937
 FDE .3240 FRA 1.4293 FC3 -.0478 BSP 17301 SGB 5223.1 R23 .0008 R13 .9628 LSA 1940.7 MSA 250.2 SSA 10.4
 BDE 2.0003 BRA 6.7458 BC3 .9988 FSP -297 SGI 5213.2 SG2 320.6 TMA 2.18 EL1 1890.9 EL2 244.2 ALF 8.04

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 4 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 29 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL .00 LOL 103.19 VL 25.512 GAL 17.52 AZL 88.58 HCA 316.39 SMA 115.04 ECC .40147 INC 1.4230 V1 30.287
 RP 107.97 LAP -.98 LOP 59.58 VP 36.122 GAP 23.42 AZP 88.97 TAL 148.95 TAP 105.34 RCA 68.86 APO 161.23 V2 35.099
 RC 219.410 GL 3.56 GP -4.98 ZAL 38.01 ZAP 170.82 ETS 215.76 ZAE 133.12 ETE 185.35 ZAC 145.69 ETC 165.06 CLP 172.28

PLANETOCENTRIC CONIC
 C3 94.801 VHL 9.737 OLA 24.69 RAL 62.69 RAD 6569.8 VEL 14.702 PTH 2.66 VHP 14.772 DPA 12.13 RAP 51.40 ECC 2.5602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 45 15 3500.00 -20.50 130.91 320.20 70.02 5 43 35 2900.0 -23.03 123.15
 90.00 0 34 29 4330.86 4.25 179.29 309.19 61.98 1 46 40 3730.9 .47 172.65
 100.00 6 28 22 3167.55 -23.24 107.50 321.25 70.65 7 21 10 2567.5 -25.66 99.54
 100.00 1 34 3 4138.55 6.81 163.76 307.79 60.82 2 43 2 3538.5 2.87 157.19
 110.00 8 18 31 2822.93 -29.51 83.70 323.63 71.92 9 5 34 2222.9 -31.70 75.18
 110.00 2 0 24 4055.93 12.51 154.08 304.37 57.93 3 8 0 3455.9 8.18 147.66

DIFFERENTIAL CORRECTIONS
 TOE 1.8977 TRA 7.4242 TC3 -.7983 BAU 1.0118 SGT 5175.4 SGR 364.3 SG3 87.3 ST 1824.9 SR 342.3 S5 448.4
 ROE .5778 RRA .2017 RC3 -.0038 FAU .00324 RRT .5407 RRF .5256 RTF .9686 CRT .6984 CRS -.6257 CST -.9950
 FDE .3177 FRA 1.5306 FC3 -.0296 BSP 17305 SGB 5188.2 R23 .0001 R13 .9686 LSA 1893.9 MSA 247.9 SSA 9.8
 BDE 1.9837 BRA 7.4269 BC3 .7983 FSP -293 SGI 5179.2 SG2 306.3 TMA 2.19 EL1 1840.7 EL2 242.8 ALF 7.60

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 4 1966

FLIGHT TIME 208.00

ARRIVAL DATE JUL 31 1966

HELIOCENTRIC CONIC

DISTANCE 596.848

RL 147.10 LAL .00 LOL 103.19 VL 25.476 GAL 19.43 AZL 88.77 HCA 319.60 SMA 114.86 ECC .42511 INC 1.2307 V1 30.287
 RP 107.93 LAP -.80 LOP 62.80 VP 36.109 GAP 24.93 AZP 89.06 TAL 147.93 TAP 107.54 RCA 66.03 APO 163.69 V2 35.111
 RC 220.887 GL 2.80 GP -4.93 ZAL 36.60 ZAP 169.91 ETS 212.17 ZAE 132.84 ETE 185.26 ZAC 147.69 ETC 164.20 CLP 171.18

PLANETOCENTRIC CONIC

C3 111.267 VHL 10.548 DLA 24.19 RAL 64.31 RAD 6570.1 VEL 15.251 PTH 2.73 VHP 15.686 DPA 12.80 RAP 53.46 ECC 2.8312
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 0 2 3505.11 -20.38 131.24 324.25 69.90 5 58 27 2905.1 -22.93 123.49
 90.00 0 32 39 4393.55 6.25 182.82 312.52 62.32 1 45 53 3793.5 2.49 176.15
 100.00 6 41 40 3177.42 -23.01 108.15 325.28 70.38 7 34 37 2977.4 -25.48 100.22
 100.00 1 35 42 4196.47 8.72 167.00 311.18 61.29 2 43 38 3596.5 4.82 160.38
 110.00 8 29 45 2839.27 -29.16 84.85 327.65 71.32 9 17 4 2239.3 -31.43 76.37
 110.00 2 2 6 4107.39 14.35 156.93 307.86 58.64 3 10 34 3507.4 10.10 150.41

DIFFERENTIAL CORRECTIONS

TDE 1.8823 TRA 8.1683 TC3 -.6168 BAU .9175
 RDE .5941 RRA .2297 RC3 -.0020 FAU .00179
 FDE .3138 FRA 1.6439 FC3 -.0139 BSP 17271
 BDE 1.9738 BRA 8.1715 BC3 .6168 FSP -289

MID-COURSE EXECUTION ACCURACY

SGT 5137.8 SGR 350.5 SG3 85.9
 RRT .5556 RRF .5424 RTF .9739
 SGB 5149.7 R23 -.0005 R13 .9739
 SGI 5141.5 SG2 291.2 TMA 2.18

ORBIT DETERMINATION ACCURACY

ST 1782.2 SR 325.3 SS 460.2
 CRT .6724 CRS -.6070 CST -.9962
 LSA 1853.2 MSA 243.2 SSA 9.1
 EL1 1795.8 EL2 239.0 ALF 7.12

LAUNCH DATE JAN 4 1966

FLIGHT TIME 210.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 598.538

RL 147.10 LAL .00 LOL 103.19 VL 25.443 GAL 21.58 AZL 88.99 HCA 322.82 SMA 114.69 ECC .45200 INC 1.0110 V1 30.287
 RP 107.89 LAP -.61 LOP 66.02 VP 36.097 GAP 26.67 AZP 89.19 TAL 147.12 TAP 109.94 RCA 62.85 APO 166.54 V2 35.124
 RC 222.336 GL 2.09 GP -4.89 ZAL 35.40 ZAP 168.87 ETS 208.96 ZAE 132.45 ETE 185.17 ZAC 149.57 ETC 163.23 CLP 169.99

PLANETOCENTRIC CONIC

C3 131.599 VHL 11.472 DLA 23.68 RAL 65.70 RAD 6570.4 VEL 15.904 PTH 2.81 VHP 16.734 DPA 13.43 RAP 55.43 ECC 3.1658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 34 3510.45 -20.25 131.58 328.01 69.77 6 12 5 2910.4 -22.82 123.85
 90.00 0 30 10 4454.90 8.17 186.30 315.63 62.79 1 44 25 3854.9 4.46 179.58
 100.00 6 53 54 3188.98 -22.79 108.78 329.01 70.12 7 47 1 2587.0 -25.30 100.87
 100.00 1 32 31 4253.63 10.57 170.23 314.36 61.88 2 43 25 3653.6 6.73 163.55
 110.00 8 40 2 2854.91 -28.82 85.93 331.38 70.76 9 27 37 2254.9 -31.16 77.52
 110.00 2 2 52 4158.44 16.14 159.81 311.14 59.45 3 12 11 3558.4 11.97 153.19

DIFFERENTIAL CORRECTIONS

TDE 1.8761 TRA 8.9838 TC3 -.4541 BAU .7989
 RDE .6101 RRA .2575 RC3 .0000 FAU .00008
 FDE .3123 FRA 1.7711 FC3 -.0005 BSP 17215
 BDE 1.9728 BRA 8.9875 BC3 .4541 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 5095.9 SGR 335.5 SG3 84.5
 RRT .5693 RRF .5580 RTF .9787
 SGB 5107.0 R23 -.0011 R13 .9787
 SGI 5099.5 SG2 275.6 TMA 2.15

ORBIT DETERMINATION ACCURACY

ST 1743.4 SR 307.6 SS 475.8
 CRT .6479 CRS -.5901 CST -.9971
 LSA 1817.8 MSA 236.3 SSA 8.5
 EL1 1755.0 EL2 232.8 ALF 6.64

LAUNCH DATE JAN 4 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 4 1966

HELIOCENTRIC CONIC

DISTANCE 599.251

RL 147.10 LAL .00 LOL 103.19 VL 25.413 GAL 24.01 AZL 89.24 HCA 326.04 SMA 114.54 ECC .48269 INC .7560 V1 30.287
 RP 107.86 LAP -.42 LOP 69.23 VP 36.087 GAP 28.68 AZP 89.37 TAL 146.55 TAP 112.59 RCA 59.25 APO 169.83 V2 35.135
 RC 223.756 GL 1.40 GP -4.84 ZAL 34.43 ZAP 167.69 ETS 206.07 ZAE 131.95 ETE 185.06 ZAC 151.34 ETC 162.18 CLP 168.67

PLANETOCENTRIC CONIC

C3 156.950 VHL 12.528 DLA 23.15 RAL 66.83 RAD 6570.7 VEL 16.682 PTH 2.89 VHP 17.943 DPA 14.00 RAP 57.30 ECC 3.5830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 51 3515.55 -20.13 131.90 331.43 69.66 6 24 27 2915.5 -22.72 124.19
 90.00 0 26 55 4514.66 10.01 189.72 318.49 63.37 1 42 10 3914.7 6.36 182.95
 100.00 7 5 0 3195.88 -22.59 109.36 332.41 69.88 7 58 16 2595.9 -25.12 101.48
 100.00 1 30 28 4309.56 12.34 173.44 317.28 62.56 2 42 17 3709.6 8.57 166.68
 110.00 8 49 19 2869.52 -28.49 86.94 334.77 70.25 9 37 8 2269.5 -30.91 78.57
 110.00 2 2 38 4208.68 17.86 162.69 314.18 60.36 3 12 47 3608.7 13.78 155.95

DIFFERENTIAL CORRECTIONS

TDE 1.8873 TRA 9.8857 TC3 -.3082 BAU .6466
 RDE .6259 RRA .2845 RC3 .0021 FAU -.00205
 FDE .3150 FRA 1.9158 FC3 .0113 BSP 17030
 BDE 1.9884 BRA 9.8898 BC3 .3082 FSP -278

MID-COURSE EXECUTION ACCURACY

SGT 5051.8 SGR 319.4 SG3 83.3
 RRT .5820 RRF .5723 RTF .9831
 SGB 5061.9 R23 -.0016 R13 .9831
 SGI 5055.2 SG2 259.6 TMA 2.11

ORBIT DETERMINATION ACCURACY

ST 1709.3 SR 289.4 SS 496.3
 CRT .6261 CRS -.5761 CST -.9979
 LSA 1788.9 MSA 227.3 SSA 8.0
 EL1 1719.1 EL2 224.4 ALF 6.16

LAUNCH DATE JAN 4 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 6 1966

HELIOCENTRIC CONIC

DISTANCE 598.688

RL 147.10 LAL .00 LOL 103.19 VL 25.386 GAL 26.78 AZL 89.55 HCA 329.27 SMA 114.41 ECC .51782 INC .4542 V1 30.287
 RP 107.82 LAP -.23 LOP 72.45 VP 36.080 GAP 31.03 AZP 89.61 TAL 146.30 TAP 115.56 RCA 55.16 APO 173.65 V2 35.147
 RC 223.148 GL .75 GP -4.79 ZAL 33.71 ZAP 166.35 ETS 203.45 ZAE 131.28 ETE 184.93 ZAC 152.94 ETC 161.05 CLP 167.20

PLANETOCENTRIC CONIC

C3 188.890 VHL 13.744 DLA 22.62 RAL 67.69 RAD 6571.0 VEL 17.613 PTH 2.98 VHP 19.347 DPA 14.51 RAP 59.02 ECC 4.1087
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 48 3519.91 -20.03 132.18 334.47 69.55 6 35 28 2919.9 -22.63 124.48
 90.00 0 22 47 4572.56 11.76 193.08 321.05 64.05 1 39 0 3972.6 8.18 186.23
 100.00 7 14 52 3203.68 -22.40 109.86 335.42 69.68 8 8 16 2603.7 -24.97 102.00
 100.00 1 27 24 4364.02 14.03 176.60 319.90 63.33 2 40 8 3764.0 10.34 169.76
 110.00 8 57 28 2882.73 -28.18 87.84 337.78 69.80 9 45 30 2282.7 -30.66 79.53
 110.00 2 1 18 4257.75 19.48 165.56 316.92 61.34 3 12 16 3657.7 15.51 158.70

DIFFERENTIAL CORRECTIONS

TDE 1.9097 TRA10.8736 TC3 -.1810 BAU .4572
 RDE .6414 RRA .3091 RC3 .0039 FAU -.00465
 FDE .3202 FRA 2.0786 FC3 .0213 BSP 16969
 BDE 2.0146 BRA10.8780 BC3 .1811 FSP -275

MID-COURSE EXECUTION ACCURACY

SGT 4999.7 SGR 301.8 SG3 82.1
 RRT .5918 RRF .5837 RTF .9868
 SGB 5008.8 R23 -.0021 R13 .9868
 SGI 5002.9 SG2 243.1 TMA 2.05

ORBIT DETERMINATION ACCURACY

ST 1674.6 SR 270.7 SS 521.0
 CRT .6058 CRS -.5630 CST -.9985
 LSA 1761.3 MSA 216.7 SSA 7.4
 EL1 1682.8 EL2 214.3 ALF 5.68

LAUNCH DATE JAN 4 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 8 1966

HELIOCENTRIC CONIC

DISTANCE 596.449

RL 147.10 LAL .00 LOL 103.19 VL 25.363 GAL 29.98 AZL 89.91 MCA 332.49 SMA 114.29 ECC .55808 INC .0087 V1 30.287
 RP 107.79 LAP -.04 LOP 75.68 VP 36.074 GAP 33.78 A7P 89.92 TAL 146.43 TAP 118.92 RCA 50.51 APO 178.08 V2 35.158
 RC 226.511 GL .13 GP -4.74 ZAL 33.29 ZAP 164.80 ETS 201.05 ZAE 130.43 ETE 184.78 ZAC 154.36 ETC 159.89 CLP 165.54

PLANETOCENTRIC CONIC

C3 229.578 VHL 15.152 DLA 22.07 RAL 68.23 RAD 6571.3 VEL 18.732 PTH 3.06 VHP 20.990 DPA 14.96 RAP 60.57 ECC 4.7783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 20 3522.98 -19.95 132.38 337.07 69.48 6 45 3 2923.0 -22.57 124.68
 90.00 0 17 34 4628.44 13.40 196.36 323.26 64.82 1 34 42 4028.4 9.90 189.43
 100.00 7 23 26 3209.92 -22.26 110.27 338.00 69.51 8 16 55 2609.9 -24.84 102.42
 100.00 1 23 10 4416.73 15.62 179.71 322.17 64.18 2 36 46 3816.7 12.02 172.77
 110.00 9 4 22 2894.09 -27.91 88.62 340.33 69.41 9 52 37 2294.1 -30.45 80.34
 110.00 1 58 42 4305.32 21.01 168.41 319.31 62.40 3 10 27 3705.3 17.15 161.41

DIFFERENTIAL CORRECTIONS

TOE 1.9586 TRA11.9632 TC3 -.0700 BAU .2155
 ROE .6569 RRA .3297 RC3 .0055 FAU-.00799
 FOE .3305 FRA 2.2641 FC3 .0301 BSP 16872
 BOE 2.0639 BRA11.9678 BC3 .0702 FSP -272

MID-COURSE EXECUTION ACCURACY

SGT 4941.7 SGR 283.0 SG3 80.9
 RRT .5985 RRF .5917 RTF .9900
 SGB 4949.8 R23 -.0026 R13 .9900
 SG1 4944.6 SG2 226.6 TMA 1.97

ORBIT DETERMINATION ACCURACY

ST 1640.7 SR 251.7 S5 551.4
 CRT .5882 CRS -.5519 CST -.9989
 LSA 1737.1 MSA 204.7 SSA 6.8
 EL1 1647.5 EL2 202.7 ALF 5.24

LAUNCH DATE JAN 4 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 10 1966

HELIOCENTRIC CONIC

DISTANCE 591.998

RL 147.10 LAL .00 LOL 103.19 VL 25.345 GAL 33.68 AZL 90.36 MCA 335.71 SMA 114.20 ECC .60416 INC .3644 V1 30.287
 RP 107.75 LAP .15 LOP 78.90 VP 36.073 GAP 37.05 AZP 90.33 TAL 147.05 TAP 122.77 RCA 45.21 APO 183.20 V2 35.169
 RC 227.845 GL -.46 GP -4.68 ZAL 33.21 ZAP 162.99 ETS 198.83 ZAE 129.33 ETE 184.60 ZAC 155.54 ETC 158.75 CLP 163.63

PLANETOCENTRIC CONIC

C3 281.985 VHL 16.792 DLA 21.50 RAL 68.41 RAD 6571.6 VEL 20.082 PTH 3.14 VHP 22.923 DPA 15.35 RAP 61.88 ECC 5.6408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 20 3524.16 -19.93 132.45 339.16 69.45 6 53 4 2924.2 -22.55 124.76
 90.00 0 11 0 4682.16 14.93 199.56 325.04 65.66 1 29 2 4082.2 11.52 192.54
 100.00 7 30 31 3214.04 -22.16 110.53 340.06 69.40 8 24 5 2614.0 -24.76 102.70
 100.00 1 17 31 4467.51 17.10 182.75 324.01 65.10 2 31 58 3867.5 13.60 175.71
 110.00 9 9 53 2903.15 -27.69 89.23 342.37 69.11 9 58 16 2303.1 -30.27 80.99
 110.00 1 54 38 4351.17 22.43 171.21 321.28 63.50 3 7 9 3751.2 18.69 164.07

DIFFERENTIAL CORRECTIONS

TOE 2.0355 TRA13.1607 TC3 .0256 BAU .0999
 ROE .6728 RRA .3439 RC3 .0067 FAU-.01237
 FOE .3475 FRA 2.4762 FC3 .0380 BSP 16730
 BOE 2.1438 BRA13.1651 BC3 .0265 FSP -269

MID-COURSE EXECUTION ACCURACY

SGT 4876.6 SGR 262.9 SG3 79.9
 RRT .6006 RRF .5949 RTF .9926
 SGB 4883.7 R23 -.0030 R13 .9926
 SG1 4879.2 SG2 210.1 TMA 1.86

ORBIT DETERMINATION ACCURACY

ST 1605.8 SR 232.7 S5 588.5
 CRT .5734 CRS -.5429 CST -.9993
 LSA 1715.3 MSA 191.7 SSA 6.2
 EL1 1611.4 EL2 190.0 ALF 4.82

LAUNCH DATE JAN 4 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 12 1966

HELIOCENTRIC CONIC

DISTANCE 584.641

RL 147.10 LAL .00 LOL 103.19 VL 25.335 GAL 38.02 AZL 90.95 MCA 338.94 SMA 114.15 ECC .65860 INC .9480 V1 30.287
 RP 107.72 LAP .34 LOP 82.13 VP 36.075 GAP 40.94 A7P 90.88 TAL 148.28 TAP 127.22 RCA 39.20 APO 189.10 V2 35.179
 RC 229.148 GL -1.01 GP -4.61 ZAL 33.53 ZAP 160.89 ETS 196.78 ZAE 127.94 ETE 184.39 ZAC 156.44 ETC 157.73 CLP 161.43

PLANETOCENTRIC CONIC

C3 350.180 VHL 18.713 DLA 20.90 RAL 68.17 RAD 6571.9 VEL 21.714 PTH 3.22 VHP 25.206 DPA 15.66 RAP 62.90 ECC 6.7831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 39 3522.79 -19.96 132.36 340.65 69.49 6 59 22 2922.8 -22.57 124.67
 90.00 0 2 46 4733.72 16.36 202.68 326.31 66.56 1 21 40 4133.7 13.05 195.37
 100.00 7 35 58 3215.44 -22.12 110.62 341.52 69.37 8 29 34 2615.4 -24.73 102.80
 100.00 1 10 8 4516.30 18.47 185.73 325.33 66.07 2 25 24 3916.3 15.08 178.57
 110.00 9 13 49 2909.35 -27.54 89.65 343.79 68.90 10 2 18 2309.4 -30.15 81.43
 110.00 1 48 47 4395.15 23.74 173.95 322.75 64.65 3 2 2 3795.2 20.13 166.67

DIFFERENTIAL CORRECTIONS

TOE 2.1605 TRA14.4650 TC3 .1069 BAU .5016
 ROE .6895 RRA .3480 RC3 .0075 FAU-.01822
 FOE .3740 FRA 2.7185 FC3 .0451 BSP 16446
 BOE 2.2679 BRA14.4692 BC3 .1071 FSP -264

MID-COURSE EXECUTION ACCURACY

SGT 4803.6 SGR 241.6 SG3 79.0
 RRT .5959 RRF .5910 RTF .9947
 SGB 4809.6 R23 -.0034 R13 .9947
 SG1 4805.7 SG2 193.9 TMA 1.72

ORBIT DETERMINATION ACCURACY

ST 1568.6 SR 213.9 S5 633.4
 CRT .5614 CRS -.5357 CST -.9995
 LSA 1695.8 MSA 178.0 SSA 5.7
 EL1 1573.3 EL2 176.5 ALF 4.43

LAUNCH DATE JAN 5 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 16 1966

HELIOCENTRIC CONIC

DISTANCE 217.361

RL 147.10 LAL -.00 LOL 104.21 VL 30.431 GAL -16.50 AZL 87.29 MCA 100.58 SMA 151.08 ECC .28516 INC 2.7064 V1 30.287
 RP 108.00 LAP 2.66 LOP 204.80 VP 39.740 GAP -.19 AZP 90.50 TAL 258.59 TAP 359.16 RCA 108.00 APO 194.16 V2 35.089
 RC 77.191 GL 8.96 GP 13.51 ZAL 168.32 ZAP 85.72 ETS 356.43 ZAE 166.72 ETE 146.61 ZAC 32.75 ETC 172.09 CLP -85.60

PLANETOCENTRIC CONIC

C3 78.192 VHL 8.843 DLA -12.83 RAL 292.02 RAD 6569.5 VEL 14.126 PTH 2.57 VHP 4.782 DPA -9.26 RAP 299.49 ECC 2.2868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 33 29 2140.07 -17.69 36.82 173.34 112.47 2 9 9 1540.1 -14.49 29.60
 90.00 10 11 58 5604.44 28.16 262.50 183.47 93.06 11 45 22 5004.4 28.29 253.84
 100.00 2 48 11 1899.05 -19.20 18.43 172.67 113.36 3 19 50 1299.0 -15.88 11.21
 100.00 11 39 57 5320.70 29.80 241.72 183.56 92.43 13 8 37 4720.7 29.82 232.92
 110.00 3 41 29 1732.15 -23.18 3.81 170.71 115.85 4 10 21 1132.1 -19.51 356.59
 110.00 13 3 8 5060.37 34.18 222.09 183.70 90.72 14 27 29 4460.4 33.90 212.86

DIFFERENTIAL CORRECTIONS

TOE -.0642 TRA-1.0303 TC3 -.1565 BAU .1816
 ROE -.5686 RRA .2262 RC3 .0754 FAU .10592
 FOE .0906 FRA-1.3883 FC3-1.1727 BSP 1695
 BOE .5722 BRA 1.0548 BC3 .1737 FSP -589

MID-COURSE EXECUTION ACCURACY

SGT 739.7 SGR 419.7 SG3 196.2
 RRT -.4011 RRF -.4584 RTF .7164
 SGB 830.4 R23 .0799 R13 -.7360
 SG1 764.9 SG2 371.8 TMA 163.07

ORBIT DETERMINATION ACCURACY

ST 209.7 SR 371.2 S5 119.7
 CRT .0775 CRS .3194 CST -.9040
 LSA 373.5 MSA 237.2 SSA 18.2
 EL1 371.7 EL2 208.8 ALF 86.33

LAUNCH DATE JAN 5 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 223.699

RL 147.10 LAL -1.00 LOL 104.21 VL 30.362 GAL -16.31 AZL 87.39 HCA 103.79 SMA 150.37 ECC .28156 INC 2.6133 V1 30.287
 RP 108.04 LAP 2.54 LOP 208.01 VP 39.676 GAP .38 AZP 90.62 TAL 257.94 TAP 1.74 RCA 108.03 APO 192.70 V2 35.076
 RC 79.446 GL 8.76 GP 13.84 ZAL 168.26 ZAP 90.40 ETS 357.49 ZAE 163.75 ETE 151.06 ZAC 31.17 ETC 172.70 CLP -90.41

PLANETOCENTRIC CONIC

C3 76.104 VHL 8.724 DLA -12.99 RAL 292.38 RAD 6569.5 VEL 14.052 PTH 2.56 VHP 4.721 OPA -9.17 RAP 297.89 ECC 2.2523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 14 2128.66 -17.39 36.11 173.27 112.70 2 11 42 1520.7 -14.17 28.92
 90.00 10 12 6 5603.35 28.17 262.42 183.42 93.02 11 45 30 5003.3 28.29 253.76
 100.00 2 50 50 1887.95 -18.90 17.74 172.60 113.60 3 22 18 1287.9 -15.55 10.55
 100.00 11 40 11 5319.29 29.81 241.62 183.51 92.38 13 8 50 4719.3 29.82 232.81
 110.00 3 43 55 1721.71 -22.87 3.16 170.63 116.13 4 12 37 1121.7 -19.17 355.97
 110.00 13 3 36 5058.30 34.18 221.93 183.65 90.62 14 27 54 4458.3 33.89 212.70

DIFFERENTIAL CORRECTIONS

TDE -.0610 TRA-1.0997 TC3 -.1974 BAU .2182
 RDE -.5551 RRA .2308 RC3 .0838 FAU .10796
 FDE .0785 FRA-1.3921 FC3-1.2281 BSP 1985
 BDE .5584 BRA 1.1237 BC3 .2144 FSP -614

MID-COURSE EXECUTION ACCURACY

SGT 818.3 SGR 422.5 SG3 202.2
 RRT -.4370 RRF -.4837 RTF .7476
 SGB 920.9 R23 .0816 R13 -.7633
 SG1 844.0 SG2 368.5 THA 164.20

ORBIT DETERMINATION ACCURACY

ST 226.2 SR 367.6 SS 119.6
 CRT .0504 CRS .2989 CST -.9223
 LSA 369.5 MSA 252.4 SSA 18.4
 EL1 367.9 EL2 225.7 ALF 87.15

LAUNCH DATE JAN 5 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 229.990

RL 147.10 LAL -1.00 LOL 104.21 VL 30.288 GAL -16.11 AZL 87.48 HCA 107.00 SMA 149.61 ECC .27801 INC 2.5177 V1 30.287
 RP 108.08 LAP 2.41 LOP 211.23 VP 39.608 GAP .92 AZP 90.74 TAL 257.21 TAP 4.22 RCA 108.02 APO 191.20 V2 35.063
 RC 81.719 GL 8.54 GP 14.14 ZAL 168.16 ZAP 94.90 ETS 358.57 ZAE 160.83 ETE 154.13 ZAC 29.77 ETC 173.33 CLP -95.05

PLANETOCENTRIC CONIC

C3 74.049 VHL 8.605 DLA -13.14 RAL 292.80 RAD 6569.4 VEL 13.979 PTH 2.55 VHP 4.684 OPA -9.06 RAP 296.46 ECC 2.2187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 14 2116.87 -17.08 35.39 173.25 112.93 2 14 31 1516.9 -13.83 28.22
 90.00 10 12 23 5602.40 28.17 262.35 183.42 92.99 11 45 45 5002.4 28.29 253.69
 100.00 2 53 44 1876.49 -18.59 17.03 172.57 113.84 3 25 1 1276.5 -15.21 9.87
 100.00 11 40 34 5318.01 29.81 241.52 183.51 92.33 13 9 12 4718.0 29.81 232.72
 110.00 3 46 36 1710.95 -22.55 2.49 170.59 116.40 4 15 7 1110.9 -18.82 355.34
 110.00 13 4 12 5056.32 34.18 221.78 183.63 90.53 14 28 28 4456.3 33.88 212.55

DIFFERENTIAL CORRECTIONS

TDE -.0597 TRA-1.1706 TC3 -.2407 BAU .2551
 RDE -.5402 RRA .2339 RC3 .0920 FAU .10887
 FDE .0689 FRA-1.3774 FC3-1.2729 BSP 2285
 BDE .5435 BRA 1.1938 BC3 .2577 FSP -626

MID-COURSE EXECUTION ACCURACY

SGT 902.2 SGR 424.3 SG3 206.1
 RRT -.4684 RRF -.5078 RTF .7713
 SGB 996.9 R23 .0856 R13 -.7843
 SG1 928.0 SG2 364.4 THA 165.25

ORBIT DETERMINATION ACCURACY

ST 243.7 SR 362.9 SS 118.8
 CRT .0307 CRS .2849 CST -.9338
 LSA 364.6 MSA 268.2 SSA 18.5
 EL1 363.0 EL2 243.5 ALF 87.85

LAUNCH DATE JAN 5 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 236.234

RL 147.10 LAL -1.00 LOL 104.21 VL 30.210 GAL -15.92 AZL 87.58 HCA 110.21 SMA 148.82 ECC .27450 INC 2.4189 V1 30.287
 RP 108.12 LAP 2.27 LOP 214.44 VP 39.536 GAP 1.42 AZP 90.84 TAL 256.40 TAP 6.62 RCA 107.97 APO 189.67 V2 35.050
 RC 84.008 GL 8.31 GP 14.44 ZAL 168.04 ZAP 99.20 ETS 359.67 ZAE 158.01 ETE 156.35 ZAC 28.55 ETC 173.98 CLP -99.50

PLANETOCENTRIC CONIC

C3 72.021 VHL 8.487 DLA -13.31 RAL 293.25 RAD 6569.4 VEL 13.906 PTH 2.54 VHP 4.668 OPA -8.92 RAP 295.21 ECC 2.1853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 42 31 2104.60 -16.76 34.64 173.27 113.16 2 17 35 1504.6 -13.48 27.49
 90.00 10 12 45 5601.86 28.17 262.30 183.45 92.96 11 46 7 5001.7 28.29 253.64
 100.00 2 56 54 1864.58 -18.26 16.30 172.58 114.09 3 27 59 1264.6 -14.85 9.17
 100.00 11 41 3 5316.92 29.81 241.44 183.54 92.29 13 9 40 4716.9 29.81 232.64
 110.00 3 49 32 1699.77 -22.21 1.80 170.59 116.68 4 17 51 1099.8 -18.45 354.69
 110.00 13 4 55 5054.49 34.18 221.64 183.66 90.45 14 29 9 4454.5 33.86 212.41

DIFFERENTIAL CORRECTIONS

TDE -.0606 TRA-1.2422 TC3 -.2863 BAU .2921
 RDE -.5233 RRA .2361 RC3 .1002 FAU .10904
 FDE .0542 FRA-1.3533 FC3-1.3108 BSP 2600
 BDE .5268 BRA 1.2645 BC3 .3034 FSP -640

MID-COURSE EXECUTION ACCURACY

SGT 990.3 SGR 424.9 SG3 208.7
 RRT -.4975 RRF -.5310 RTF .7899
 SGB 1077.6 R23 .0901 R13 -.8007
 SG1 1015.9 SG2 359.3 THA 166.19

ORBIT DETERMINATION ACCURACY

ST 262.2 SR 356.7 SS 117.7
 CRT .0178 CRS .2804 CST -.9452
 LSA 358.2 MSA 284.9 SSA 18.6
 EL1 356.8 EL2 262.1 ALF 88.37

LAUNCH DATE JAN 5 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 242.436

RL 147.10 LAL -1.00 LOL 104.21 VL 30.128 GAL -15.72 AZL 87.68 HCA 113.42 SMA 148.00 ECC .27105 INC 2.3160 V1 30.287
 RP 108.18 LAP 2.13 LOP 217.64 VP 39.462 GAP 1.90 AZP 90.92 TAL 255.52 TAP 8.94 RCA 107.88 APO 188.11 V2 35.036
 RC 86.309 GL 8.05 GP 14.74 ZAL 167.87 ZAP 103.28 ETS .80 ZAE 155.32 ETE 158.00 ZAC 27.54 ETC 174.65 CLP -103.74

PLANETOCENTRIC CONIC

C3 70.012 VHL 8.367 DLA -13.49 RAL 293.75 RAD 6569.3 VEL 13.833 PTH 2.53 VHP 4.670 OPA -8.75 RAP 294.18 ECC 2.1522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 46 5 2091.73 -16.41 33.85 173.33 113.40 2 20 37 1491.7 -13.10 26.73
 90.00 10 13 11 5601.20 28.18 262.27 183.53 92.94 11 46 32 5001.2 28.29 253.60
 100.00 3 0 21 1852.09 -17.91 15.54 172.63 114.34 3 31 13 1252.1 -14.47 8.43
 100.00 11 41 36 5316.08 29.82 241.38 183.61 92.25 13 10 12 4716.1 29.81 232.57
 110.00 3 52 43 1688.08 -21.85 1.09 170.62 116.97 4 20 51 1088.1 -18.06 354.01
 110.00 13 5 43 5052.84 34.18 221.51 183.73 90.37 14 29 56 4452.8 33.85 212.28

DIFFERENTIAL CORRECTIONS

TDE -.0639 TRA-1.3138 TC3 -.3340 BAU .3286
 RDE -.5048 RRA .2371 RC3 .1083 FAU .10843
 FDE .0381 FRA-1.3180 FC3-1.3408 BSP 2923
 BDE .5088 BRA 1.3350 BC3 .3511 FSP -648

MID-COURSE EXECUTION ACCURACY

SGT 1081.7 SGR 424.5 SG3 209.8
 RRT -.5241 RRF -.5537 RTF .8038
 SGB 1162.1 R23 .0961 R13 -.8131
 SG1 1107.1 SG2 353.3 THA 167.03

ORBIT DETERMINATION ACCURACY

ST 281.5 SR 349.3 SS 116.1
 CRT .0114 CRS .2322 CST -.9544
 LSA 350.5 MSA 302.4 SSA 18.7
 EL1 349.3 EL2 281.4 ALF 88.50

LAUNCH DATE JAN 5 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 248.596

RL 147.10 LAL -0.00 LOL 104.21 VL 30.043 GAL -15.52 AZL 87.79 MCA 116.62 SMA 147.16 ECC .26766 INC 2.2080 V1 30.287
 RP 108.20 LAP 1.97 LOP 220.85 VP 39.385 GAP 2.35 AZP 90.99 TAL 254.56 TAP 11.18 RCA 107.77 APO 186.54 V2 35.023
 RC 88.623 GL 7.77 GP 15.04 ZAL 167.68 ZAP 107.13 ETS 1.96 ZAE 152.78 ETE 159.24 ZAC 26.75 ETC 175.37 CLP-107.76

PLANETOCENTRIC CONIC

C3 68.019 VHL 8.247 OLA -13.69 RAL 294.30 RAD 6569.3 VEL 13.761 PTH 2.51 VMP 4.687 DPA -8.54 RAP 293.35 ECC 2.1194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 58 2078.09 -16.04 33.02 173.41 113.65 2 24 36 1478.1 -12.71 25.93
 90.00 10 13 38 5601.14 28.18 262.26 183.64 92.94 11 47 0 5001.1 28.29 253.60
 100.00 3 4 7 1838.88 -17.54 14.73 172.71 114.60 3 34 46 1238.9 -14.07 7.65
 100.00 11 42 11 5315.59 29.82 241.34 183.72 92.23 13 10 47 4715.6 29.81 232.54
 110.00 3 56 12 1675.76 -21.47 .33 170.69 117.26 4 24 7 1075.8 -17.64 353.29
 110.00 13 6 35 5051.47 34.18 221.40 183.84 90.31 14 30 47 4451.5 33.85 212.17

DIFFERENTIAL CORRECTIONS

TOE -.0699 TRA-1.3845 TC3 -.3835 BAU .3645
 ROE -.4847 RRA .2371 RC3 .1165 FAU .10715
 FDE .0207 FRA-1.2738 FC3-1.3638 BSP 3253
 BOE .4897 BRA 1.4047 BC3 .4008 FSP -652

MID-COURSE EXECUTION ACCURACY

SGT 1175.8 SGR 423.1 SG3 209.7
 RRT -.5488 RRF -.5761 RTF .8144
 SGB 1249.6 R23 .1035 R13 -.8224
 SG1 1200.7 SG2 346.4 TMA 167.80

ORBIT DETERMINATION ACCURACY

ST 301.5 SR 340.6 SS 114.1
 CRT .0111 CRS .1992 CST -.9618
 LSA 341.6 MSA 320.8 SSA 18.8
 EL1 340.6 EL2 301.5 ALF 87.39

LAUNCH DATE JAN 5 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 254.719

RL 147.10 LAL -0.00 LOL 104.21 VL 29.955 GAL -15.32 AZL 87.91 MCA 119.83 SMA 146.30 ECC .26431 INC 2.0938 V1 30.287
 RP 108.24 LAP 1.82 LOP 224.05 VP 39.307 GAP 2.78 AZP 91.04 TAL 253.54 TAP 13.37 RCA 107.63 APO 184.97 V2 35.010
 RC 90.946 GL 7.46 GP 15.37 ZAL 167.45 ZAP 110.74 ETS 3.16 ZAE 150.40 ETE 160.15 ZAC 26.17 ETC 176.13 CLP-111.55

PLANETOCENTRIC CONIC

C3 66.038 VHL 8.126 OLA -13.90 RAL 294.89 RAD 6569.3 VEL 13.689 PTH 2.50 VMP 4.718 DPA -8.28 RAP 292.75 ECC 2.0868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 13 2063.52 -15.64 32.14 173.54 113.91 2 28 37 1463.5 -12.28 25.07
 90.00 10 14 5 5601.60 28.17 262.30 183.78 92.96 11 47 26 5001.6 28.29 253.63
 100.00 3 8 13 1824.78 -17.14 13.88 172.83 114.87 3 38 38 1224.8 -13.64 6.83
 100.00 11 42 46 5315.58 29.82 241.34 183.87 92.23 13 11 22 4715.6 29.81 232.54
 110.00 3 59 59 1662.65 -21.05 359.54 170.79 117.57 4 27 41 1062.6 -17.20 352.54
 110.00 13 7 29 5050.48 34.18 221.32 183.98 90.26 14 31 40 4450.5 33.84 212.09

DIFFERENTIAL CORRECTIONS

TOE -.0784 TRA-1.4534 TC3 -.4346 BAU .3992
 ROE -.4635 RRA .2356 RC3 .1247 FAU .10514
 FDE .0060 FRA-1.2190 FC3-1.3783 BSP 3575
 BOE .4700 BRA 1.4724 BC3 .4521 FSP -645

MID-COURSE EXECUTION ACCURACY

SGT 1271.4 SGR 420.9 SG3 208.1
 RRT -.5713 RRF -.5986 RTF .8218
 SGB 1339.2 R23 .1134 R13 -.8290
 SG1 1295.6 SG2 338.9 TMA 168.49

ORBIT DETERMINATION ACCURACY

ST 322.2 SR 330.8 SS 111.7
 CRT .0158 CRS .1700 CST -.9663
 LSA 340.0 MSA 331.4 SSA 18.9
 EL1 331.5 EL2 321.5 ALF 74.57

LAUNCH DATE JAN 5 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 260.806

RL 147.10 LAL -0.00 LOL 104.21 VL 29.865 GAL -15.12 AZL 88.03 MCA 123.03 SMA 145.43 ECC .26103 INC 1.9723 V1 30.287
 RP 108.29 LAP 1.65 LOP 227.25 VP 39.226 GAP 3.19 AZP 91.08 TAL 252.46 TAP 15.49 RCA 107.47 APO 183.40 V2 34.996
 RC 93.279 GL 7.12 GP 15.74 ZAL 167.18 ZAP 114.11 ETS 4.41 ZAE 148.18 ETE 160.81 ZAC 25.81 ETC 176.95 CLP-115.12

PLANETOCENTRIC CONIC

C3 64.070 VHL 8.004 OLA -14.14 RAL 295.52 RAD 6569.2 VEL 13.617 PTH 2.49 VMP 4.760 DPA -7.95 RAP 292.35 ECC 2.0544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 52 2047.81 -15.20 31.19 173.69 114.18 2 33 0 1447.8 -11.81 24.16
 90.00 10 14 26 5602.79 28.17 262.38 183.96 93.00 11 47 49 5002.8 28.29 253.72
 100.00 3 12 42 1809.61 -16.70 12.96 172.97 115.16 3 42 52 1209.6 -13.17 5.95
 100.00 11 43 18 5316.23 29.81 241.39 184.05 92.26 13 11 54 4716.2 29.81 232.59
 110.00 4 4 7 1648.59 -20.61 358.69 170.92 117.90 4 31 35 1048.6 -16.72 351.73
 110.00 13 8 23 5050.01 34.18 221.29 184.16 90.24 14 32 33 4450.0 33.84 212.06

DIFFERENTIAL CORRECTIONS

TOE -.0907 TRA-1.5208 TC3 -.4878 BAU .4332
 ROE -.4405 RRA .2335 RC3 .1334 FAU .10288
 FDE -.0136 FRA-1.1628 FC3-1.3901 BSP 3915
 BOE .4497 BRA 1.5388 BC3 .5057 FSP -642

MID-COURSE EXECUTION ACCURACY

SGT 1369.0 SGR 418.0 SG3 206.1
 RRT -.5937 RRF -.6220 RTF .8275
 SGB 1431.4 R23 .1245 R13 -.8340
 SG1 1392.7 SG2 330.6 TMA 169.10

ORBIT DETERMINATION ACCURACY

ST 343.8 SR 319.6 SS 109.5
 CRT .0266 CRS .1255 CST -.9716
 LSA 360.1 MSA 319.9 SSA 19.0
 EL1 344.5 EL2 318.8 ALF 9.99

LAUNCH DATE JAN 5 1966

FLIGHT TIME 86.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 266.860

RL 147.10 LAL -0.00 LOL 104.21 VL 29.773 GAL -14.91 AZL 88.16 MCA 126.22 SMA 144.56 ECC .25781 INC 1.8416 V1 30.287
 RP 108.33 LAP 1.49 LOP 230.44 VP 39.144 GAP 3.57 AZP 91.09 TAL 251.33 TAP 17.55 RCA 107.29 APO 181.83 V2 34.983
 RC 95.621 GL 6.74 GP 16.15 ZAL 166.88 ZAP 117.25 ETS 5.73 ZAE 146.12 ETE 161.25 ZAC 25.66 ETC 177.85 CLP-118.47

PLANETOCENTRIC CONIC

C3 62.112 VHL 7.881 OLA -14.42 RAL 296.19 RAD 6569.2 VEL 13.545 PTH 2.48 VMP 4.811 DPA -7.55 RAP 292.15 ECC 2.0222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 4 0 2030.69 -14.72 30.16 173.88 114.46 2 37 51 1430.7 -11.30 23.16
 90.00 10 14 40 5604.93 28.16 262.54 184.19 93.08 11 48 5 5004.9 28.29 253.87
 100.00 3 17 38 1793.10 -16.22 11.97 173.15 115.46 3 47 31 1193.1 -12.66 4.99
 100.00 11 43 43 5317.75 29.81 241.50 184.27 92.32 13 12 21 4717.7 29.81 232.70
 110.00 4 8 38 1633.36 -20.12 357.78 171.08 118.23 4 35 52 1033.4 -16.19 350.86
 110.00 13 9 12 5050.25 34.18 221.30 184.39 90.25 14 33 23 4450.3 33.84 212.08

DIFFERENTIAL CORRECTIONS

TOE -.1065 TRA-1.5854 TC3 -.5430 BAU .4661
 ROE -.4162 RRA .2303 RC3 .1426 FAU .10027
 FDE -.0342 FRA-1.1031 FC3-1.3976 BSP 4257
 BOE .4296 BRA 1.6021 BC3 .5614 FSP -637

MID-COURSE EXECUTION ACCURACY

SGT 1467.9 SGR 414.7 SG3 203.3
 RRT -.6155 RRF -.6462 RTF .8315
 SGB 1525.4 R23 .1377 R13 -.8376
 SG1 1491.0 SG2 321.8 TMA 169.65

ORBIT DETERMINATION ACCURACY

ST 366.2 SR 307.1 SS 107.4
 CRT .0421 CRS .0733 CST -.9760
 LSA 381.4 MSA 306.8 SSA 19.1
 EL1 367.0 EL2 306.2 ALF 6.69

LAUNCH DATE JAN 5 1966

FLIGHT TIME 88.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 272.883

RL 147.10 LAL -.00 LOL 104.21 VL 29.679 GAL -14.69 AZL 88.30 MCA 129.42 SMA 143.69 ECC .25467 INC 1.6999 V1 30.287
 RP 108.37 LAP 1.31 LOP 233.64 VP 39.061 GAP 3.93 AZP 91.08 TAL 250.14 TAP 19.56 RCA 107.10 APO 180.28 V2 34.970
 RC 97.969 GL 6.30 GP 16.63 ZAL 166.54 ZAP 120.16 ETS 7.14 ZAE 144.20 ETE 161.50 ZAC 25.72 ETC 178.82 CLP-121.62

PLANETOCENTRIC CONIC

C3 80.164 VHL 7.757 DLA -14.73 RAL 296.90 RAD 6569.1 VEL 13.473 PTH 2.46 VHP 4.871 DPA -7.07 RAP 292.15 ECC 1.9902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 42 2011.82 -14.19 29.04 174.10 114.76 2 43 14 1411.8 -10.73 22.06
 90.00 10 14 40 5608.34 28.15 262.79 184.45 93.20 11 48 9 5008.3 28.30 254.12
 100.00 3 23 7 1774.96 -15.69 10.89 173.37 115.78 3 52 41 1175.0 -12.09 3.95
 100.00 11 43 57 5320.43 29.80 241.70 184.54 92.42 13 12 37 4720.4 29.82 232.90
 110.00 4 13 38 1616.72 -19.58 356.79 171.27 118.59 4 40 34 1016.7 -15.61 349.92
 110.00 13 9 55 5051.44 34.18 221.40 184.67 90.31 14 34 7 4451.4 33.85 212.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1262 TRA-1.6469 TC3 -.6004 BAU .4982 SGT 1567.9 SGR 411.2 SG3 200.1 ST 389.7 SR 293.3 SS 105.6
 RDE -.3907 RRA .2263 RC3 .1524 FAU .09744 RRT -.6371 RRF -.6717 RTF .8343 CRT .0624 CRS .0114 CST -.9794
 FDE -.0563 FRA-1.0411 FC3-1.4022 BSP 4602 SGB 1620.9 R23 .1533 R13 -.8400 LSA 404.0 MSA 292.4 SSA 19.2
 BDE .4106 BRA 1.6624 BC3 .6194 FSP -630 SGI 1590.6 SG2 312.4 THA 170.13 EL1 390.7 EL2 292.0 ALF 6.12

LAUNCH DATE JAN 5 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 278.877

RL 147.10 LAL -.00 LOL 104.21 VL 29.584 GAL -14.47 AZL 88.46 MCA 132.61 SMA 142.82 ECC .25159 INC 1.5447 V1 30.287
 RP 108.41 LAP 1.14 LOP 236.83 VP 38.977 GAP 4.28 AZP 91.05 TAL 248.91 TAP 21.52 RCA 106.89 APO 178.75 V2 34.957
 RC 100.323 GL 5.81 GP 17.19 ZAL 166.17 ZAP 122.83 ETS 8.67 ZAE 142.41 ETE 161.57 ZAC 25.97 ETC 179.89 CLP-124.58

PLANETOCENTRIC CONIC

C3 98.228 VHL 7.631 DLA -15.10 RAL 297.66 RAD 6569.1 VEL 13.401 PTH 2.45 VHP 4.939 DPA -6.49 RAP 292.31 ECC 1.9583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 16 5 1990.77 -13.58 27.78 174.36 115.09 2 49 16 1390.8 -10.09 20.85
 90.00 10 14 22 5613.42 28.13 263.16 184.77 93.39 11 47 56 5013.4 28.30 254.50
 100.00 3 29 13 1754.78 -15.08 9.69 173.62 116.12 3 58 28 1154.8 -11.45 2.79
 100.00 11 43 55 5324.65 29.79 242.01 184.87 92.59 13 12 39 4724.6 29.83 233.21
 110.00 4 19 11 1598.31 -18.98 355.70 171.49 118.98 4 45 49 998.3 -14.97 348.88
 110.00 13 10 27 5053.88 34.18 221.59 185.00 90.42 14 34 41 4453.9 33.86 212.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1496 TRA-1.7038 TC3 -.6595 BAU .5288 SGT 1667.8 SGR 407.4 SG3 196.1 ST 414.2 SR 278.5 SS 103.7
 RDE -.3644 RRA .2207 RC3 .1627 FAU .09425 RRT -.6574 RRF -.6981 RTF .8356 CRT .0870 CRS -.0518 CST -.9808
 FDE -.0764 FRA -.9739 FC3-1.4013 BSP 4928 SGB 1716.8 R23 .1725 R13 -.8411 LSA 427.6 MSA 276.8 SSA 19.3
 BDE .3939 BRA 1.7180 BC3 .6793 FSP -614 SGI 1689.9 SG2 303.0 THA 170.57 EL1 415.5 EL2 276.6 ALF 6.03

LAUNCH DATE JAN 5 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 284.845

RL 147.10 LAL -.00 LOL 104.21 VL 29.488 GAL -14.25 AZL 88.63 MCA 135.80 SMA 141.95 ECC .24859 INC 1.3729 V1 30.287
 RP 108.44 LAP .96 LOP 240.01 VP 38.893 GAP 4.60 AZP 90.98 TAL 247.63 TAP 23.43 RCA 106.66 APO 177.24 V2 34.945
 RC 102.682 GL 5.24 GP 17.85 ZAL 165.76 ZAP 125.28 ETS 10.33 ZAE 140.74 ETE 161.47 ZAC 26.40 ETC 181.07 CLP-127.36

PLANETOCENTRIC CONIC

C3 56.307 VHL 7.504 DLA -15.53 RAL 298.48 RAD 6569.0 VEL 13.329 PTH 2.44 VHP 5.014 DPA -5.79 RAP 292.84 ECC 1.9267
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 23 19 1966.99 -12.89 26.38 174.67 115.43 2 56 6 1367.0 -9.36 19.48
 90.00 10 13 37 5620.75 28.10 263.69 185.14 93.65 11 47 17 5020.7 28.31 255.03
 100.00 3 36 8 1732.06 -14.40 8.35 173.92 116.48 4 5 0 1132.1 -10.73 1.49
 100.00 11 43 29 5330.92 29.77 242.48 185.25 92.83 13 12 20 4730.9 29.85 233.68
 110.00 4 25 24 1577.73 -18.30 354.50 171.76 119.39 4 51 42 977.7 -14.24 347.73
 110.00 13 10 42 5058.01 34.18 221.91 185.40 90.61 14 35 0 4458.0 33.89 212.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1789 TRA-1.7567 TC3 -.7219 BAU .5591 SGT 1769.4 SGR 404.1 SG3 192.1 ST 440.6 SR 282.0 SS 103.2
 RDE -.3364 RRA .2144 RC3 .1743 FAU .09107 RRT -.6782 RRF -.7261 RTF .8365 CRT .1174 CRS -.1360 CST -.9808
 FDE -.1019 FRA -.9089 FC3-1.4003 BSP 5277 SGB 1815.0 R23 .1942 R13 -.8419 LSA 453.7 MSA 259.3 SSA 19.5
 BDE .3810 BRA 1.7698 BC3 .7427 FSP -603 SGI 1791.1 SG2 295.4 THA 170.95 EL1 442.3 EL2 259.2 ALF 6.09

LAUNCH DATE JAN 5 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 290.788

RL 147.10 LAL -.00 LOL 104.21 VL 29.391 GAL -14.02 AZL 88.82 MCA 138.98 SMA 141.10 ECC .24568 INC 1.1803 V1 30.287
 RP 108.48 LAP .77 LOP 243.20 VP 38.809 GAP 4.91 AZP 90.89 TAL 246.31 TAP 25.30 RCA 106.43 APO 175.76 V2 34.932
 RC 105.043 GL 4.57 GP 18.64 ZAL 165.30 ZAP 127.49 ETS 12.16 ZAE 139.16 ETE 161.20 ZAC 27.01 ETC 182.37 CLP-129.97

PLANETOCENTRIC CONIC

C3 54.402 VHL 7.376 DLA -16.05 RAL 299.34 RAD 6569.0 VEL 13.258 PTH 2.42 VHP 5.096 DPA -4.95 RAP 293.10 ECC 1.8953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 38 1939.72 -12.09 24.78 175.04 115.80 3 3 58 1359.7 -8.52 17.92
 90.00 10 12 13 5631.07 28.05 264.44 185.59 94.03 11 46 4 5031.1 28.32 255.79
 100.00 3 44 2 1706.09 -13.60 6.84 174.27 116.88 4 12 28 1106.1 -9.89 .01
 100.00 11 42 30 5339.93 29.74 243.15 185.71 93.18 13 11 30 4739.9 29.86 234.35
 110.00 4 32 28 1554.39 -17.51 353.14 172.08 119.84 4 58 22 954.4 -13.41 346.43
 110.00 13 10 34 5064.39 34.17 222.41 185.89 90.90 14 34 58 4464.4 33.92 213.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2144 TRA-1.8045 TC3 -.7872 BAU .5885 SGT 1871.9 SGR 401.5 SG3 187.8 ST 469.5 SR 244.0 SS 104.1
 RDE -.3072 RRA .2069 RC3 .1872 FAU .08781 RRT -.6984 RRF -.7553 RTF .8370 CRT .1528 CRS -.2523 CST -.9775
 FDE -.1305 FRA -.8437 FC3-1.3973 BSP 5629 SGB 1914.5 R23 .2192 R13 -.8423 LSA 482.5 MSA 240.1 SSA 19.7
 BDE .3746 BRA 1.8164 BC3 .8092 FSP -592 SGI 1893.3 SG2 284.1 THA 171.28 EL1 471.5 EL2 240.1 ALF 6.14

LAUNCH DATE JAN 5 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 296.709

RL 147.10 LAL -0.00 LOL 104.21 VL 29.295 GAL -13.78 AZL 89.04 MCA 142.17 SMA 140.25 ECC .24285 INC .9617 V1 30.287
 RP 108.52 LAP .59 LOP 246.38 VP 38.725 GAP 5.20 AZP 90.76 TAL 244.96 TAP 27.13 RCA 106.19 APO 174.31 V2 34.920
 RC 107.406 GL 3.78 GP 19.58 ZAL 164.79 ZAP 129.47 ETS 14.21 ZAE 137.65 ETE 160.76 ZAC 27.79 ETC 183.82 CLP-132.43

PLANETOCENTRIC CONIC

C3 52.520 VHL 7.247 DLA -16.68 RAL 300.27 RAD 6568.9 VEL 13.106 PTH 2.41 VHP 5.186 DPA -3.93 RAP 293.67 ECC 1.8643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 41 21 1907.90 -11.14 22.92 175.49 116.20 3 13 9 1307.9 -7.53 16.11
 90.00 10 9 56 5645.46 27.98 265.49 186.12 94.55 11 44 1 5045.5 28.32 256.84
 100.00 3 53 14 1675.93 -12.67 5.08 174.70 117.30 4 21 10 1075.9 -8.91 358.31
 100.00 11 40 43 5352.66 29.69 244.09 186.26 93.67 13 9 56 4752.7 29.88 235.29
 110.00 4 40 36 1527.54 -16.59 351.60 172.47 120.32 5 6 4 927.5 -12.44 344.95
 110.00 13 9 51 5073.81 34.16 223.14 186.49 91.34 14 34 25 4473.8 33.97 213.90

DIFFERENTIAL CORRECTIONS

TOE -.2573 TRA-1.8459 TC3 -.8558 BAU .6173
 RDE -.2767 RRA .1979 RC3 .2015 FAU .08442
 FDE -.1622 FRA -.7777 FC3-1.3916 BSP 5985
 BDE .3778 BRA 1.8565 BC3 .8792 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 1975.1 SGR 399.8 SG3 183.2
 RRT -.7176 RRF -.7855 RTF .8371
 SGB 2015.1 R23 .2481 R13 -.8423
 SG1 1996.2 SG2 275.5 THA 171.57

ORBIT DETERMINATION ACCURACY

ST 501.6 SR 224.3 SS 107.1
 CRT .1934 CRS -.3372 CST -.9698
 LSA 514.7 MSA 219.4 SSA 19.9
 EL1 503.9 EL2 219.1 ALF 6.10

LAUNCH DATE JAN 5 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 302.609

RL 147.10 LAL -0.00 LOL 104.21 VL 29.198 GAL -13.54 AZL 89.29 HCA 145.35 SMA 139.41 ECC .24011 INC .7091 V1 30.287
 RP 108.56 LAP .40 LOP 249.56 VP 38.641 GAP 5.48 AZP 90.58 TAL 243.57 TAP 28.92 RCA 105.94 APO 172.89 V2 34.909
 RC 109.770 GL 2.83 GP 20.72 ZAL 164.22 ZAP 131.19 ETS 16.53 ZAE 136.19 ETE 160.13 ZAC 28.73 ETC 185.44 CLP-134.76

PLANETOCENTRIC CONIC

C3 50.666 VHL 7.118 DLA -17.44 RAL 301.28 RAD 6568.9 VEL 13.116 PTH 2.39 VHP 5.286 DPA -2.71 RAP 294.33 ECC 1.8338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 56 1870.04 -9.99 20.73 176.04 116.63 3 24 6 1270.0 -6.34 13.96
 90.00 10 6 23 5665.47 27.86 266.94 186.76 95.27 11 40 48 5065.5 28.30 258.30
 100.00 4 4 9 1840.23 -11.55 3.03 175.23 117.76 4 31 29 1040.2 -7.74 356.31
 100.00 11 37 50 5370.51 29.60 245.41 186.93 94.36 13 7 21 4770.5 29.89 236.62
 110.00 4 50 9 1496.10 -15.50 349.81 172.95 120.85 5 15 5 896.1 -11.30 343.23
 110.00 13 8 20 5087.39 34.13 224.21 187.23 91.97 14 33 7 4487.4 34.03 214.96

DIFFERENTIAL CORRECTIONS

TOE -.3079 TRA-1.8783 TC3 -.9267 BAU .6447
 RDE -.2452 RRA .1867 RC3 .2171 PAU .08078
 FDE -.1946 FRA -.7074 FC3-1.3802 BSP 6310
 BDE .3936 BRA 1.8876 BC3 .9518 FSP -561

MID-COURSE EXECUTION ACCURACY

SGT 2077.0 SGR 399.1 SG3 177.9
 RRT -.7341 RRF -.8156 RTF .8363
 SGB 2115.0 R23 .2817 R13 -.8416
 SG1 2097.9 SG2 268.3 THA 171.84

ORBIT DETERMINATION ACCURACY

ST 537.6 SR 203.1 SS 111.9
 CRT .2387 CRS -.4400 CST -.9584
 LSA 550.9 MSA 197.4 SSA 20.2
 EL1 540.1 EL2 196.4 ALF 5.94

LAUNCH DATE JAN 5 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 308.489

RL 147.10 LAL -0.00 LOL 104.21 VL 29.101 GAL -13.29 AZL 89.59 HCA 148.53 SMA 138.59 ECC .23747 INC .4127 V1 30.287
 RP 108.59 LAP .22 LOP 252.73 VP 38.557 GAP 5.74 AZP 90.35 TAL 242.14 TAP 30.67 RCA 105.68 APO 171.50 V2 34.897
 RC 112.133 GL 1.67 GP 22.10 ZAL 163.57 ZAP 132.63 ETS 19.16 ZAE 134.73 ETE 159.29 ZAC 29.84 ETC 187.28 CLP-136.97

PLANETOCENTRIC CONIC

C3 48.856 VHL 6.990 DLA -18.40 RAL 302.38 RAD 6568.8 VEL 13.047 PTH 2.38 VHP 5.399 DPA -1.22 RAP 295.05 ECC 1.8040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 6 1823.87 -8.57 18.09 176.75 117.09 3 37 30 1223.9 -4.87 11.36
 90.00 10 0 58 5693.48 27.67 268.97 187.55 96.26 11 35 51 5093.5 28.25 260.35
 100.00 4 17 25 1597.00 -10.16 .56 175.91 118.26 4 44 2 997.0 -6.31 353.90
 100.00 11 33 21 5395.58 29.46 247.26 187.76 95.33 13 3 16 4795.6 29.88 238.48
 110.00 5 1 36 1458.55 -14.18 347.71 173.55 121.43 5 25 55 858.6 -9.92 341.20
 110.00 13 5 39 5106.79 34.08 225.72 188.15 92.86 14 30 46 4506.8 34.10 216.47

DIFFERENTIAL CORRECTIONS

TOE -.3714 TRA-1.9029 TC3-1.0022 BAU .6724
 RDE -.2114 RRA .1739 RC3 .2351 FAU .07713
 FDE -.2356 FRA -.6395 FC3-1.3668 BSP 6668
 BDE .4273 BRA 1.9108 BC3 1.0294 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 2181.2 SGR 400.8 SG3 172.7
 RRT -.7490 RRF -.8460 RTF .8360
 SGB 2217.7 R23 .3179 R13 -.8414
 SG1 2202.1 SG2 263.0 THA 172.05

ORBIT DETERMINATION ACCURACY

ST 581.1 SR 179.3 SS 121.7
 CRT .2889 CRS -.5435 CST -.9430
 LSA 595.0 MSA 173.6 SSA 20.6
 EL1 583.6 EL2 170.9 ALF 5.57

LAUNCH DATE JAN 5 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 314.351

RL 147.10 LAL -0.00 LOL 104.21 VL 29.004 GAL -13.03 AZL 89.94 HCA 151.70 SMA 137.78 ECC .23492 INC .0568 V1 30.287
 RP 108.63 LAP .03 LOP 255.91 VP 38.474 GAP 5.99 AZP 90.05 TAL 240.68 TAP 32.39 RCA 105.41 APO 170.15 V2 34.886
 RC 114.493 GL .24 GP 23.80 ZAL 162.79 ZAP 133.74 ETS 22.19 ZAE 133.23 ETE 158.22 ZAC 31.14 ETC 189.39 CLP-139.08

PLANETOCENTRIC CONIC

C3 47.108 VHL 6.864 DLA -19.62 RAL 303.60 RAD 6568.8 VEL 12.980 PTH 2.37 VHP 5.529 DPA .60 RAP 295.79 ECC 1.7753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 3 1765.82 -6.76 14.79 177.71 117.56 3 54 29 1165.8 -3.02 8.11
 90.00 9 52 44 5733.31 27.34 271.84 188.52 97.67 11 28 17 5133.3 28.12 263.26
 100.00 4 34 3 1543.15 -8.41 357.53 176.82 118.79 4 59 46 943.1 -4.51 350.92
 100.00 11 26 25 5431.21 29.20 249.88 188.79 96.68 12 56 56 4831.2 29.82 241.13
 110.00 5 15 43 1412.58 -12.54 345.16 174.36 122.07 5 39 16 812.6 -8.21 338.74
 110.00 13 1 14 5134.54 33.96 227.88 189.32 94.13 14 26 49 4534.5 34.16 218.64

DIFFERENTIAL CORRECTIONS

TOE -.4507 TRA-1.9160 TC3-1.0811 BAU .6996
 RDE -.1751 RRA .1584 RC3 .2353 FAU .07327
 FDE -.2832 FRA -.5697 FC3-1.3465 BSP 7028
 BDE .4835 BRA 1.9225 BC3 1.1108 FSP -530

MID-COURSE EXECUTION ACCURACY

SGT 2286.3 SGR 404.9 SG3 166.8
 RRT -.7600 RRF -.8753 RTF .8358
 SGB 2321.8 R23 .3564 R13 -.8414
 SG1 2310.2 SG2 260.8 THA 172.23

ORBIT DETERMINATION ACCURACY

ST 634.8 SR 152.5 SS 136.7
 CRT .3417 CRS -.6323 CST -.9278
 LSA 649.8 MSA 149.1 SSA 20.9
 EL1 637.1 EL2 142.8 ALF 4.94

LAUNCH DATE JAN 5 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 320.197

RL 147.10 LAL -.00 LOL 104.21 VL 28.908 GAL -12.77 AZL 90.38 MCA 154.88 SMA 136.99 ECC .23247 INC .3787 V1 30.287
 RP 108.66 LAP -.16 LOP 259.08 VP 38.392 GAP 6.23 AZP 89.66 TAL 239.19 TAP 34.07 RCA 105.14 APO 168.83 V2 34.875
 RC 118.852 GL -1.58 GP 25.92 ZAL 161.82 ZAP 134.44 ETS 25.69 ZAE 131.62 ETE 156.88 ZAC 32.63 ETC 191.84 CLP-141.12

PLANETOCENTRIC CONIC

C3 45.462 VHL 6.743 OLA -21.19 RAL 304.97 RAD 6568.7 VEL 12.916 PTH 2.35 VHP 5.685 DPA 2.84 RAP 296.52 ECC 1.7482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 53 1689.55 -4.34 10.49 179.07 118.01 4 17 2 1089.6 -5.56 3.85
 90.00 9 39 53 5791.72 26.74 276.01 189.72 99.67 11 16 25 5191.7 27.81 267.50
 100.00 4 55 51 1473.42 -6.11 353.63 178.10 119.32 5 20 24 873.4 -2.15 347.08
 100.00 11 15 36 5483.08 28.73 253.66 190.08 98.62 12 47 0 4883.1 29.63 244.97
 110.00 5 33 47 1354.53 -10.42 342.00 175.48 122.74 5 56 21 754.5 -6.03 335.66
 110.00 12 54 10 5174.74 33.72 230.99 190.83 95.96 14 20 25 4574.7 34.18 221.78

DIFFERENTIAL CORRECTIONS

TOE -.5505 TRA-1.9135 TC3-1.1613 BAU .7257
 RDE -.1361 RRA .1387 RC3 .2774 FAU .06897
 FDE -.3367 FRA -.4947 FC3-1.3135 BSP 7363
 BDE .5670 BRA 1.9185 BC3 1.1939 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 2390.0 SGR 411.5 SG3 159.8
 RRT -.7649 RRF -.9019 RTF .8354
 SGB 2425.2 R23 .3960 R13 -.8413
 SG1 2410.9 SG2 262.8 THA 172.41

ORBIT DETERMINATION ACCURACY

ST 703.4 SR 122.2 SS 157.6
 CRT .3923 CRS -.6976 CST -.9175
 LSA 720.0 HSA 125.4 SSA 21.1
 EL1 705.0 EL2 112.2 ALF 4.00

LAUNCH DATE JAN 5 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 326.026

RL 147.10 LAL -.00 LOL 104.21 VL 28.812 GAL -12.50 AZL 90.93 MCA 158.05 SMA 136.21 ECC .23011 INC .9316 V1 30.287
 RP 108.69 LAP -.35 LOP 262.25 VP 38.311 GAP 6.46 AZP 89.14 TAL 237.68 TAP 35.72 RCA 104.87 APO 167.55 V2 34.865
 RC 119.206 GL -3.95 GP 28.60 ZAL 160.53 ZAP 134.62 ETS 29.76 ZAE 129.79 ETE 155.23 ZAC 34.38 ETC 194.75 CLP-143.12

PLANETOCENTRIC CONIC

C3 43.990 VHL 6.632 OLA -23.27 RAL 306.58 RAD 6568.7 VEL 12.859 PTH 2.34 VHP 5.881 DPA 5.64 RAP 297.15 ECC 1.7240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 59 1582.05 -.88 4.48 181.16 118.30 4 49 21 982.1 2.91 357.85
 90.00 9 18 36 5882.67 25.54 282.39 191.15 102.66 10 56 39 5282.7 27.03 274.04
 100.00 5 26 17 1377.74 -2.89 348.35 180.04 119.77 5 49 14 777.7 1.09 341.83
 100.00 10 57 59 5562.21 27.79 259.36 191.69 101.48 12 30 41 4962.2 29.09 250.79
 110.00 5 58 4 1278.07 -7.57 337.91 177.15 123.43 6 19 22 678.1 -3.12 331.65
 110.00 12 42 41 5234.65 33.20 235.59 192.80 98.64 14 9 56 4634.7 34.04 226.45

DIFFERENTIAL CORRECTIONS

TOE -.6831 TRA-1.8925 TC3-1.2424 BAU .7519
 RDE -.0916 RRA .1144 RC3 .3021 FAU .06435
 FDE -.4042 FRA -.4947 FC3-1.2663 BSP 7732
 BDE .6892 BRA 1.8960 BC3 1.2786 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 2496.3 SGR 422.4 SG3 152.1
 RRT -.7637 RRF -.9251 RTF .8364
 SGB 2531.8 R23 .4318 R13 -.8426
 SG1 2517.3 SG2 270.4 THA 172.55

ORBIT DETERMINATION ACCURACY

ST 797.3 SR 86.3 SS 189.0
 CRT .4194 CRS -.7227 CST -.9157
 LSA 816.9 HSA 105.4 SSA 20.5
 EL1 798.2 EL2 78.2 ALF 2.62

LAUNCH DATE JAN 5 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 331.839

RL 147.10 LAL -.00 LOL 104.21 VL 28.717 GAL -12.23 AZL 91.66 MCA 161.21 SMA 135.45 ECC .22786 INC 1.6597 V1 30.287
 RP 108.72 LAP -.53 LOP 265.42 VP 38.231 GAP 6.67 AZP 88.43 TAL 236.13 TAP 37.34 RCA 104.59 APO 166.31 V2 34.856
 RC 121.557 GL -7.13 GP 32.04 ZAL 158.70 ZAP 134.08 ETS 34.48 ZAE 127.57 ETE 153.25 ZAC 36.46 ETC 198.24 CLP-145.15

PLANETOCENTRIC CONIC

C3 42.841 VHL 6.545 OLA -26.10 RAL 308.54 RAD 6568.6 VEL 12.814 PTH 2.33 VHP 6.143 DPA 9.20 RAP 297.59 ECC 1.7051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 29 1404.09 4.85 354.54 184.89 117.93 5 43 54 804.1 8.55 347.81
 90.00 8 36 44 759.27 22.61 315.66 192.51 107.51 8 49 23 159.3 24.80 307.87
 100.00 6 14 8 1230.84 2.09 340.29 183.36 119.83 6 34 39 630.8 6.04 333.73
 100.00 10 25 46 5695.79 25.63 268.69 193.50 105.93 12 0 42 5095.8 27.57 280.42
 110.00 6 33 21 1170.56 -3.51 332.24 179.88 124.02 6 52 51 570.6 .98 326.04
 110.00 12 23 3 5328.83 32.02 242.68 195.36 102.67 13 51 52 4728.8 33.43 233.73

DIFFERENTIAL CORRECTIONS

TOE -.8641 TRA-1.8434 TC3-1.3170 BAU .7772
 RDE -.0395 RRA .0823 RC3 .3273 FAU .05902
 FDE -.4855 FRA -.3378 FC3-1.1926 BSP 8090
 BDE .8650 BRA 1.8452 BC3 1.3570 FSP -456

MID-COURSE EXECUTION ACCURACY

SGT 2602.5 SGR 437.2 SG3 142.7
 RRT -.7528 RRF -.9427 RTF .8388
 SGB 2639.0 R23 .4610 R13 -.8453
 SG1 2623.5 SG2 285.5 THA 172.70

ORBIT DETERMINATION ACCURACY

ST 930.3 SR 44.1 SS 232.9
 CRT .3055 CRS -.6062 CST -.9238
 LSA 955.2 HSA 94.7 SSA 17.6
 EL1 930.4 EL2 42.0 ALF .83

LAUNCH DATE JAN 5 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 337.636

RL 147.10 LAL -.00 LOL 104.21 VL 28.623 GAL -11.95 AZL 92.67 MCA 164.37 SMA 134.71 ECC .22571 INC 2.6699 V1 30.287
 RP 108.75 LAP -.72 LOP 268.59 VP 38.151 GAP 6.88 AZP 87.43 TAL 234.56 TAP 38.93 RCA 104.30 APO 165.11 V2 34.846
 RC 123.903 GL -11.56 GP 36.56 ZAL 155.90 ZAP 132.52 ETS 39.96 ZAE 124.72 ETE 150.93 ZAC 39.02 ETC 202.52 CLP-147.30

PLANETOCENTRIC CONIC

C3 42.357 VHL 6.508 OLA -30.08 RAL 311.10 RAD 6568.6 VEL 12.795 PTH 2.33 VHP 6.524 DPA 13.80 RAP 297.66 ECC 1.6971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.40 5 42 52 1355.94 15.57 356.56 192.32 116.07 6 5 28 755.9 18.95 349.38
 100.60 8 34 48 801.68 15.59 315.78 192.33 116.06 8 48 10 201.7 18.97 308.61
 79.40 5 42 52 1355.94 15.57 356.56 192.32 116.07 6 5 28 755.9 18.95 349.38
 100.60 8 34 48 801.68 15.59 315.78 192.33 116.06 8 48 10 201.7 18.97 308.61
 110.00 7 32 52 997.34 3.11 323.20 185.04 124.06 7 49 29 397.5 7.56 316.94
 110.00 11 43 59 5496.32 28.88 254.70 198.29 109.14 13 15 35 4896.3 31.21 246.28

DIFFERENTIAL CORRECTIONS

TOE -1.1271 TRA-1.7517 TC3-1.3709 BAU .8010
 RDE .0243 RRA .0379 RC3 .3484 FAU .05268
 FDE -.5849 FRA -.2504 FC3-1.0767 BSP 8464
 BDE 1.1273 BRA 1.7521 BC3 1.4145 FSP -422

MID-COURSE EXECUTION ACCURACY

SGT 2710.1 SGR 455.7 SG3 130.9
 RRT -.7281 RRF -.9511 RTF .8443
 SGB 2748.2 R23 .4789 R13 -.8511
 SG1 2730.6 SG2 310.0 THA 172.93

ORBIT DETERMINATION ACCURACY

ST 1128.4 SR 27.9 SS 294.3
 CRT -.8950 CRS .8573 CST -.9401
 LSA 1162.3 HSA 97.4 SSA 12.4
 EL1 1128.7 EL2 12.4 ALF 178.73

LAUNCH DATE JAN 5 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 343.415

RL 147.10 LAL -0.00 LOL 104.21 VL 28.529 GAL -11.66 AZL 94.18 MCA 167.52 SMA 133.98 ECC .22365 INC 4.1754 V1 30.287
 RP 108.78 LAP -0.90 LOP 271.76 VP 38.074 GAP 7.07 AZP 85.92 TAL 232.96 TAP 40.48 RCA 104.02 APO 163.95 V2 34.838
 RC 126.245 GL -17.98 GP 42.65 ZAL 151.32 ZAP 129.50 ETS 46.28 ZAE 120.76 ETE 148.45 ZAC 42.32 ETC 207.90 CLP-149.85

PLANETOCENTRIC CONIC

C3 43.415 VHL 6.589 DLA -35.86 RAL 314.84 RAD 6568.6 VEL 12.837 PTH 2.34 VHP 7.135 DPA 19.87 RAP 297.01 ECC 1.7145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.02 4 36 56 1612.94 18.06 17.68 197.99 121.51 5 3 49 1012.9 22.10 10.74
 112.98 10 10 32 5845.15 18.08 276.39 198.00 121.50 11 47 57 5245.2 22.12 269.44
 67.02 4 36 56 1612.94 18.06 17.68 197.99 121.51 5 3 49 1012.9 22.10 10.74
 112.98 10 10 32 5845.15 18.08 276.39 198.00 121.50 11 47 57 5245.2 22.12 269.44
 67.02 4 36 56 1612.94 18.06 17.68 197.99 121.51 5 3 49 1012.9 22.10 10.74
 112.98 10 10 32 5845.15 18.08 276.39 198.00 121.50 11 47 57 5245.2 22.12 269.44

DIFFERENTIAL CORRECTIONS

TDE-1.5410 TRA-1.5857 TC3-1.3678 BAU .8197
 RDE .1034 RRA -.0295 RC3 .3514 FAU .04477
 FDE -.7032 FRA -.1520 FC3 -.8927 BSP .8815
 BDE 1.5445 BRA 1.5859 BC3 1.4122 FSP -373

MID-COURSE EXECUTION ACCURACY

SGT 2817.6 SGR 472.7 SG3 115.4
 RRT -.6765 RRF -.9415 RTF .8548
 SGB 2856.9 R23 .4811 R13 -.8616
 SG1 2835.9 SG2 345.9 TMA 173.43

ORBIT DETERMINATION ACCURACY

ST 1434.9 SR 91.5 SS 378.7
 CRT -.8867 CRS .9786 CST -.9598
 LSA 1482.8 MSA 110.6 SSA 7.2
 EL1 1437.2 EL2 42.2 ALF 176.76

LAUNCH DATE JAN 5 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 349.170

RL 147.10 LAL -0.00 LOL 104.21 VL 28.437 GAL -11.36 AZL 96.67 MCA 170.66 SMA 133.27 ECC .22166 INC 6.6721 V1 30.287
 RP 108.80 LAP -1.08 LOP 274.92 VP 37.997 GAP 7.26 AZP 83.42 TAL 231.34 TAP 41.99 RCA 103.73 APO 162.82 V2 34.830
 RC 128.581 GL -27.63 GP 50.97 ZAL 143.53 ZAP 124.33 ETS 53.79 ZAE 114.93 ETE 146.47 ZAC 46.77 ETC 215.00 CLP-153.60

PLANETOCENTRIC CONIC

C3 48.786 VHL 6.985 DLA -44.38 RAL 321.29 RAD 6568.8 VEL 13.044 PTH 2.38 VHP 8.261 DPA 27.98 RAP 294.88 ECC 1.8029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.28 4 3 40 1809.16 20.45 36.08 208.86 130.28 4 33 49 1209.2 25.49 29.74
 125.72 11 35 15 5707.47 20.47 266.60 208.88 130.28 13 10 23 5107.5 25.50 260.26
 54.28 4 3 40 1809.16 20.45 36.08 208.86 130.28 4 33 49 1209.2 25.49 29.74
 125.72 11 35 15 5707.47 20.47 266.60 208.88 130.28 13 10 23 5107.5 25.50 260.26
 54.28 4 3 40 1809.16 20.45 36.08 208.86 130.28 4 33 49 1209.2 25.49 29.74
 125.72 11 35 15 5707.47 20.47 266.60 208.88 130.28 13 10 23 5107.5 25.50 260.26

DIFFERENTIAL CORRECTIONS

TDE-2.2818 TRA-1.2688 TC3-1.2258 BAU .8237
 RDE .1884 RRA -.1377 RC3 .3040 FAU .03498
 FDE -.8477 FRA -.0427 FC3 -.6208 BSP 9151
 BDE 2.2894 BRA 1.2763 BC3 1.2629 FSP -312

MID-COURSE EXECUTION ACCURACY

SGT 2925.1 SGR 478.2 SG3 96.1
 RRT -.5600 RRF -.8774 RTF .8781
 SGB 2963.9 R23 .4545 R13 -.8839
 SG1 2937.5 SG2 394.5 TMA 174.67

ORBIT DETERMINATION ACCURACY

ST 1922.8 SR 160.6 SS 496.7
 CRT -.8619 CRS .9480 CST -.9784
 LSA 1988.3 MSA 127.3 SSA 3.6
 EL1 1927.8 EL2 81.2 ALF 175.88

LAUNCH DATE JAN 5 1966

FLIGHT TIME 116.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 354.881

RL 147.10 LAL -0.00 LOL 104.21 VL 28.348 GAL -11.05 AZL 101.64 MCA 173.75 SMA 132.58 ECC .21968 INC11.6350 V1 30.287
 RP 108.82 LAP -1.26 LOP 278.09 VP 37.922 GAP 7.42 AZP 78.43 TAL 229.68 TAP 43.43 RCA 103.46 APO 161.71 V2 34.822
 RC 130.911 GL -41.97 GP 62.32 ZAL 130.49 ZAP 116.22 ETS 64.64 ZAE 105.82 ETE 148.03 ZAC 52.78 ETC 226.34 CLP-162.02

PLANETOCENTRIC CONIC

C3 70.391 VHL 8.390 DLA -55.96 RAL 335.75 RAD 6569.4 VEL 13.847 PTH 2.53 VHP 10.791 DPA 38.61 RAP 289.04 ECC 2.1585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.49 4 13 16 2012.88 19.61 55.77 231.81 143.54 4 46 48 1412.9 25.96 50.91
 140.51 13 21 5 5882.60 19.62 263.13 231.83 143.53 14 55 48 5082.6 25.97 258.26
 39.49 4 13 16 2012.88 19.61 55.77 231.81 143.54 4 46 48 1412.9 25.96 50.91
 140.51 13 21 5 5882.60 19.62 263.13 231.83 143.53 14 55 48 5082.6 25.97 258.26
 39.49 4 13 16 2012.88 19.61 55.77 231.81 143.54 4 46 48 1412.9 25.96 50.91
 140.51 13 21 5 5882.60 19.62 263.13 231.83 143.53 14 55 48 5082.6 25.97 258.26

DIFFERENTIAL CORRECTIONS

TDE-3.8481 TRA -.5517 TC3 -.8044 BAU .7700
 RDE .0281 RRA -.3071 RC3 .1500 FAU .02307
 FDE -1.0232 FRA .0981 FC3 -.2837 BSP 9467
 BDE 3.8482 BRA .6314 BC3 .8182 FSP -237

MID-COURSE EXECUTION ACCURACY

SGT 3029.9 SGR 451.7 SG3 73.8
 RRT -.1008 RRF -.4616 RTF .9269
 SGB 3063.4 R23 .3679 R13 -.9277
 SG1 3030.3 SG2 449.3 TMA 179.12

ORBIT DETERMINATION ACCURACY

ST 2636.0 SR 114.2 SS 652.5
 CRT -.0929 CRS .2193 CST -.9918
 LSA 2714.3 MSA 139.5 SSA 1.6
 EL1 2636.0 EL2 113.7 ALF 179.77

LAUNCH DATE JAN 5 1966

FLIGHT TIME 118.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 360.450

RL 147.10 LAL -0.00 LOL 104.21 VL 28.256 GAL -10.70 AZL 115.83 MCA 176.72 SMA 131.91 ECC .21742 INC25.8335 V1 30.287
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.848 GAP 7.54 AZP 64.20 TAL 227.95 TAP 44.67 RCA 103.23 APO 160.59 V2 34.816
 RC 133.236 GL -58.32 GP 73.90 ZAL 111.73 ZAP 104.90 ETS 100.87 ZAE 89.78 ETE 176.65 ZAC 59.78 ETC 264.92 CLP 158.00

PLANETOCENTRIC CONIC

C3 202.131 VHL 14.217 DLA -82.51 RAL 11.65 RAD 6571.1 VEL 17.985 PTH 3.01 VHP 18.859 DPA 49.94 RAP 270.33 ECC 4.3266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.62 6 16 18 2260.10 8.56 69.24 277.15 152.17 6 53 56 1660.1 15.61 65.79
 148.38 16 4 29 5853.61 8.57 266.79 277.17 152.17 17 42 3 5253.6 15.62 263.34
 31.62 6 16 18 2260.10 8.56 69.24 277.15 152.17 6 53 56 1660.1 15.61 65.79
 148.38 16 4 29 5853.61 8.57 266.79 277.17 152.17 17 42 3 5253.6 15.62 263.34
 31.62 6 16 18 2260.10 8.56 69.24 277.15 152.17 6 53 56 1660.1 15.61 65.79
 148.38 16 4 29 5853.61 8.57 266.79 277.17 152.17 17 42 3 5253.6 15.62 263.34

DIFFERENTIAL CORRECTIONS

TDE-5.3697 TRA 1.6325 TC3 -.1299 BAU .3514
 RDE -4.0294 RRA .3031 RC3 -.0058 FAU .00752
 FDE -1.1651 FRA .4259 FC3 -.0322 BSP 9847
 BDE 6.7134 BRA 1.7083 BC3 .1300 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 2617.4 SGR 1682.3 SG3 52.4
 RRT .9416 RRF .9097 RTF .9962
 SGB 3111.4 R23 -.1811 R13 .9832
 SG1 3073.8 SG2 482.4 TMA 32.07

ORBIT DETERMINATION ACCURACY

ST 2205.8 SR 1629.2 SS 786.4
 CRT .9935 CRS -.9884 CST -.9993
 LSA 2848.3 MSA 160.9 SSA .6
 EL1 2738.2 EL2 149.6 ALF 36.40

LAUNCH DATE JAN 5 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 367.928

RL 147.10 LAL -.00 LOL 104.21 VL 28.167 GAL -10.76 AZL 7.44 MCA 181.61 SMA 131.26 ECC .22113 INC82.5613 V1 30.287
 RP 108.87 LAP -1.60 LOP 284.42 VP 37.776 GAP 8.21 AZP 172.56 TAL 226.82 TAP 48.43 RCA 102.23 APO 160.28 V2 34.809
 RC 139.553 GL 45.23 GP -52.19 ZAL 97.84 ZAP 96.52 ETS 185.20 ZAE 54.44 ETE 118.44 ZAC 84.23 ETC 28.95 CLP 100.68

PLANETOCENTRIC CONIC

C31493.831 VML 38.650 OLA 41.77 RAL 340.56 RAD 6573.2 VEL 40.188 PTH 3.56 VHP 46.540 DPA -52.84 RAP 173.01 ECC25.5847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.91 17 33 26 4875.17 .97 223.07 251.65 48.24 18 54 41 4275.2 -4.36 217.51
 122.09 0 39 15 3565.33 .98 122.76 251.64 48.24 1 38 41 2965.3 -4.34 117.20
 57.91 17 33 26 4875.17 .97 223.07 251.65 48.24 18 54 41 4275.2 -4.36 217.51
 122.09 0 39 15 3565.33 .98 122.76 251.64 48.24 1 38 41 2965.3 -4.34 117.20
 57.91 17 33 26 4875.17 .97 223.07 251.65 48.24 18 54 41 4275.2 -4.36 217.51
 122.09 0 39 15 3565.33 .98 122.76 251.64 48.24 1 38 41 2965.3 -4.34 117.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1390 TRA 2.8296 TC3 -.0777 BAU 3.6751 SGT 945.3 SGR 2496.3 SG3 44.0 ST 495.3 SR 2119.8 SS 1771.7
 ROE-14.2849 RRA 1.4615 RC3 -.1668 FAU-.05611 RRT .8150 RRF -.9989 RTF -.7877 CRT .9532 CRS .9999 CST .9491
 FOE 2.9705 FRA -.2048 FC3 .0325 BSP 8554 SGB 2669.3 R23 -.1097 R13 -.9939 LSA 2802.6 MSA 151.3 SSA .4
 BOE14.6257 BRA 3.1848 BC3 .1840 FSP -151 SGI 2617.7 SG2 522.3 THA 72.11 ELI 2172.0 EL2 146.2 ALF 77.39

LAUNCH DATE JAN 5 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 372.717

RL 147.10 LAL -.00 LOL 104.21 VL 28.079 GAL -10.24 AZL 62.41 MCA 183.80 SMA 130.62 ECC .21676 INC27.5915 V1 30.287
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.706 GAP 8.10 AZP 117.54 TAL 224.82 TAP 48.63 RCA 102.31 APO 158.93 V2 34.804
 RC 137.863 GL 59.10 GP -71.23 ZAL 109.61 ZAP 108.51 ETS 249.62 ZAE 90.19 ETE 176.03 ZAC 85.90 ETC 92.00 CLP 170.51

PLANETOCENTRIC CONIC

C3 222.455 VML 14.915 OLA 44.09 RAL 309.74 RAD 6571.3 VEL 18.541 PTH 3.05 VHP 16.435 DPA -84.31 RAP 95.30 ECC 4.6610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.68 15 17 19 4761.63 -6.04 219.49 213.48 46.24 16 36 40 4161.6 -11.53 214.02
 125.32 22 45 34 3380.72 -6.02 112.88 213.47 46.24 23 41 54 2780.7 -11.52 107.41
 54.68 15 17 19 4761.63 -6.04 219.49 213.48 46.24 16 36 40 4161.6 -11.53 214.02
 125.32 22 45 34 3380.72 -6.02 112.88 213.47 46.24 23 41 54 2780.7 -11.52 107.41
 54.68 15 17 19 4761.63 -6.04 219.49 213.48 46.24 16 36 40 4161.6 -11.53 214.02
 125.32 22 45 34 3380.72 -6.02 112.88 213.47 46.24 23 41 54 2780.7 -11.52 107.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 5.0518 TRA-2.9748 TC3 -.0882 BAU .2634 SGT 2523.2 SGR 2188.0 SG3 56.2 ST 1998.5 SR 1339.5 SS 754.9
 ROE-3.1863 RRA 3.3908 RC3 .0082 FAU .00947 RRT -.9540 RRF -.9270 RTF .9960 CRT -.9844 CRS .9790 CST -.9996
 FOE 1.3525 FRA -.7012 FC3 -.0369 BSP 10767 SGB 3339.7 R23 -.2058 R13 -.9776 LSA 2513.1 MSA 205.5 SSA 1.2
 BOE 5.9727 BRA 4.5107 BC3 .0886 FSP -194 SGI 3301.9 SG2 501.1 THA 139.26 ELI 2397.8 EL2 196.7 ALF 146.33

LAUNCH DATE JAN 5 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 378.307

RL 147.10 LAL -.00 LOL 104.21 VL 27.992 GAL -9.88 AZL 73.60 MCA 186.81 SMA 130.00 ECC .21500 INC16.3973 V1 30.287
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.637 GAP 8.21 AZP 106.29 TAL 223.06 TAP 49.87 RCA 102.05 APO 157.95 V2 34.799
 RC 140.164 GL 31.66 GP -57.74 ZAL 119.04 ZAP 121.03 ETS 283.20 ZAE 104.72 ETE 203.91 ZAC 79.28 ETC 125.35 CLP-164.94

PLANETOCENTRIC CONIC

C3 98.506 VML 9.925 OLA 34.76 RAL 306.91 RAD 6569.9 VEL 14.827 PTH 2.68 VHP 10.273 DPA -74.55 RAP 351.23 ECC 2.6212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.95 16 14 26 4418.33 -10.55 194.47 201.35 56.69 17 28 4 3818.3 -14.86 187.98
 111.05 21 25 52 3429.11 -10.54 120.52 201.34 56.69 22 23 1 2829.1 -14.85 114.03
 68.95 16 14 26 4418.33 -10.55 194.47 201.35 56.69 17 28 4 3818.3 -14.86 187.98
 111.05 21 25 52 3429.11 -10.54 120.52 201.34 56.69 22 23 1 2829.1 -14.85 114.03
 68.95 16 14 26 4418.33 -10.55 194.47 201.35 56.69 17 28 4 3818.3 -14.86 187.98
 111.05 21 25 52 3429.11 -10.54 120.52 201.34 56.69 22 23 1 2829.1 -14.85 114.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.3478 TRA-3.6920 TC3 -.5227 BAU .6885 SGT 3397.2 SGR 686.4 SG3 78.8 ST 2083.7 SR 215.2 SS 596.3
 ROE -.1142 RRA .9718 RC3 .0118 FAU .02500 RRT -.8247 RRF -.5854 RTF .9395 CRT -.6397 CRS .4947 CST -.9844
 FOE 1.1389 FRA -.6526 FC3 -.2197 BSP 10814 SGB 3465.9 R23 -.3525 R13 -.9331 LSA 2169.2 MSA 195.0 SSA 1.6
 BOE 3.3497 BRA 3.8177 BC3 .5228 FSP -263 SGI 3444.7 SG2 382.9 THA 170.42 ELI 2088.2 EL2 165.1 ALF 176.20

LAUNCH DATE JAN 5 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 383.989

RL 147.10 LAL -.00 LOL 104.21 VL 27.907 GAL -9.54 AZL 77.89 MCA 189.91 SMA 129.39 ECC .21367 INC12.1091 V1 30.287
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.570 GAP 8.36 AZP 101.93 TAL 221.31 TAP 51.22 RCA 101.75 APO 157.04 V2 34.795
 RC 142.456 GL 45.17 GP -46.26 ZAL 124.75 ZAP 130.72 ETS 293.10 ZAE 113.22 ETE 206.67 ZAC 74.23 ETC 135.54 CLP-160.64

PLANETOCENTRIC CONIC

C3 66.272 VML 8.141 OLA 28.12 RAL 307.93 RAD 6569.3 VEL 13.698 PTH 2.50 VHP 8.263 DPA -62.77 RAP 340.65 ECC 2.0907
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 19 23 28 3738.52 -14.28 145.65 197.07 65.29 20 25 46 3138.5 -17.50 138.45
 90.00 18 25 0 3928.30 -8.62 156.71 194.27 62.92 19 30 28 3328.3 -12.18 149.84
 100.00 21 41 48 3292.54 -20.19 115.54 199.78 67.48 22 36 40 2692.5 -23.07 107.92
 100.00 18 49 21 3849.51 -2.94 147.85 191.18 60.24 19 53 30 3249.5 -6.88 141.28
 110.00 23 55 49 2873.05 -28.40 87.18 203.27 70.13 24 43 42 2273.1 -30.84 78.83
 110.00 18 51 49 3841.76 4.54 142.62 186.54 56.08 19 55 51 3241.8 .06 136.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.4033 TRA-3.4096 TC3 -.9238 BAU .8187 SGT 3539.3 SGR 401.1 SG3 100.2 ST 1878.7 SR 168.6 SS 548.3
 ROE .1766 RRA .4759 RC3 -.0213 FAU .03480 RRT -.5431 RRF -.1331 RTF .8986 CRT .3702 CRS -.5981 CST -.9659
 FOE 1.0715 FRA -.5981 FC3 -.4546 BSP 11160 SGB 3562.0 R23 -.4280 R13 -.8961 LSA 1953.4 MSA 206.8 SSA 2.6
 BOE 2.4098 BRA 3.4427 BC3 .9240 FSP -332 SGI 3546.1 SG2 336.2 THA 176.45 ELI 1879.7 EL2 156.6 ALF 1.92

LAUNCH DATE JAN 5 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 389.693

RL 147.10 LAL -0.00 LOL 104.21 VL 27.823 GAL -9.19 AZL 80.14 MCA 193.04 SMA 128.81 ECC .21255 INC 9.8588 V1 30.287
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.504 GAP 8.50 AZP 99.61 TAL 219.55 TAP 52.59 RCA 101.43 APO 156.18 V2 34.791
 RC 144.737 GL 40.50 GP -37.84 ZAL 128.04 ZAP 137.82 ETS 298.80 ZAE 118.50 ETE 205.14 ZAC 71.26 ETC 141.52 CLP-159.78

PLANETOCENTRIC CONIC

C3 52.439 VHL 7.241 DLA 23.68 RAL 309.56 RAD 6568.9 VEL 13.183 PTH 2.41 VMP 7.406 DPA -53.97 RAP 337.71 ECC 1.8630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 22 22 3304.26 -24.49 117.96 197.38 75.32 22 17 27 2704.3 -26.27 109.74
 90.00 16 39 4 4248.32 1.60 174.68 187.02 61.72 17 49 53 3648.3 -2.19 168.05
 100.00 23 2 42 2980.77 -26.87 94.82 198.04 76.37 23 52 23 2380.8 -28.47 86.39
 100.00 17 41 26 4047.05 3.75 158.70 185.83 60.32 18 48 53 3447.1 -2.23 152.17
 110.00 0 52 47 2648.65 -32.52 71.03 199.47 78.85 1 36 56 2048.7 -33.72 62.00
 110.00 18 11 46 3951.93 8.69 148.45 182.79 56.81 19 17 38 3351.9 4.26 142.16

DIFFERENTIAL CORRECTIONS

TDE 1.9264 TRA-3.1922 TC3-1.2577 BAU .8819
 RDE .2072 RRA .3156 RC3 -.0265 FAU .04069
 FDE 1.0056 FRA -.5313 FC3 -.6717 BSP 11458
 BDE 1.9376 BRA 3.2077 BC3 1.2580 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 3639.8 SGR 320.4 SG3 115.6
 RRT -.3705 RRF .0995 RTF .8729
 SGB 3653.8 R23 -.4576 R13 -.8717
 SG1 3641.7 SG2 297.5 THA 178.12

ORBIT DETERMINATION ACCURACY

ST 1735.2 SR 183.2 SS 517.0
 CRT .5733 CRS -.8052 CST -.9474
 LSA 1806.9 MSA 216.8 SSA 3.7
 EL1 1738.4 EL2 149.8 ALF 3.49

LAUNCH DATE JAN 5 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 15 1966

HELIOCENTRIC CONIC

DISTANCE 395.403

RL 147.10 LAL -0.00 LOL 104.21 VL 27.740 GAL -8.85 AZL 81.53 MCA 196.19 SMA 128.23 ECC .21161 INC 8.4697 V1 30.287
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.440 GAP 8.65 AZP 98.14 TAL 217.77 TAP 53.96 RCA 101.10 APO 155.37 V2 34.788
 RC 147.008 GL 37.13 GP -31.67 ZAL 129.82 ZAP 143.06 ETS 303.04 ZAE 121.88 ETE 202.78 ZAC 69.84 ETC 145.91 CLP-159.91

PLANETOCENTRIC CONIC

C3 44.728 VHL 6.688 DLA 20.68 RAL 311.31 RAD 6568.7 VEL 12.888 PTH 2.35 VMP 6.991 DPA -47.34 RAP 337.02 ECC 1.7361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 9 16 3121.45 -27.03 105.18 195.59 81.22 23 1 17 2521.4 -27.97 96.64
 90.00 16 6 6 4351.65 4.91 180.46 184.97 62.08 17 18 37 3751.6 1.14 173.81
 100.00 23 44 17 2815.07 -28.97 82.96 195.91 82.27 24 31 12 2215.1 -29.73 74.24
 100.00 17 13 46 4133.26 6.63 163.47 184.03 60.79 18 22 39 3533.3 2.69 156.90
 110.00 1 25 30 2510.69 -33.85 60.49 196.55 84.95 2 7 21 1910.7 -34.18 51.26
 110.00 17 52 58 4010.41 10.85 151.60 181.47 57.38 18 59 48 3410.4 6.48 145.24

DIFFERENTIAL CORRECTIONS

TDE 1.6446 TRA-3.0298 TC3-1.5456 BAU .9243
 RDE .2041 RRA .2597 RC3 -.0160 FAU .04394
 FDE .9374 FRA -.4626 FC3 -.8505 BSP 11769
 BDE 1.6572 BRA 3.0393 BC3 1.5457 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 3735.9 SGR 281.4 SG3 125.8
 RRT -.3029 RRF .1751 RTF .8567
 SGB 3746.5 R23 -.4575 R13 -.8560
 SG1 3736.9 SG2 268.1 THA 178.69

ORBIT DETERMINATION ACCURACY

ST 1637.6 SR 186.8 SS 491.5
 CRT .6262 CRS -.8686 CST -.9300
 LSA 1705.3 MSA 224.4 SSA 5.0
 EL1 1641.8 EL2 145.3 ALF 4.12

LAUNCH DATE JAN 5 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 401.113

RL 147.10 LAL -0.00 LOL 104.21 VL 27.659 GAL -8.50 AZL 82.48 MCA 199.33 SMA 127.68 ECC .21083 INC 7.5230 V1 30.287
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.378 GAP 8.80 AZP 97.10 TAL 215.99 TAP 55.32 RCA 100.76 APO 154.60 V2 34.786
 RC 149.266 GL 34.65 GP -27.06 ZAL 130.63 ZAP 147.04 ETS 306.46 ZAE 124.10 ETE 200.45 ZAC 69.48 ETC 149.38 CLP-160.42

PLANETOCENTRIC CONIC

C3 39.688 VHL 6.300 DLA 18.64 RAL 313.08 RAD 6568.5 VEL 12.691 PTH 2.31 VMP 6.778 DPA -42.19 RAP 337.34 ECC 1.6531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 13 3006.44 -27.95 96.90 194.34 85.27 23 29 20 2406.4 -28.31 88.25
 90.00 15 50 17 4406.35 6.65 183.54 184.32 62.41 17 3 44 3806.3 2.90 176.87
 100.00 0 15 46 2707.78 -29.69 75.07 194.48 86.36 1 0 54 2107.8 -29.88 66.27
 100.00 17 0 21 4180.24 8.18 166.09 183.49 61.15 18 10 2 3580.2 4.27 159.49
 110.00 1 48 32 2417.54 -34.18 53.23 194.69 89.23 2 28 50 1817.5 -33.91 44.00
 110.00 17 44 5 4043.25 12.05 153.39 181.17 57.77 18 51 28 3443.2 7.71 146.98

DIFFERENTIAL CORRECTIONS

TDE 1.4632 TRA-2.8968 TC3-1.8048 BAU .9576
 RDE .1994 RRA .1935 RC3 .0015 FAU .04546
 FDE .8749 FRA -.3954 FC3 -.9917 BSP 12077
 BDE 1.4767 BRA 2.9032 BC3 1.8048 FSP -428

MID-COURSE EXECUTION ACCURACY

SGT 3830.4 SGR 259.6 SG3 132.1
 RRT -.2809 RRF .1801 RTF .8460
 SGB 3839.2 R23 -.4362 R13 -.8454
 SG1 3831.1 SG2 249.1 THA 178.90

ORBIT DETERMINATION ACCURACY

ST 1572.0 SR 189.7 SS 471.2
 CRT .6534 CRS -.9037 CST -.9142
 LSA 1635.9 MSA 230.8 SSA 6.3
 EL1 1577.0 EL2 143.2 ALF 4.55

LAUNCH DATE JAN 5 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 406.821

RL 147.10 LAL -0.00 LOL 104.21 VL 27.579 GAL -8.14 AZL 83.17 MCA 202.49 SMA 127.14 ECC .21019 INC 6.8331 V1 30.287
 RP 108.94 LAP -2.61 LOP 306.55 VP 37.317 GAP 8.95 AZP 96.32 TAL 214.19 TAP 56.67 RCA 100.42 APO 153.86 V2 34.785
 RC 151.911 GL 32.77 GP -23.54 ZAL 130.77 ZAP 150.15 ETS 309.27 ZAE 125.63 ETE 198.39 ZAC 69.84 ETC 152.19 CLP-161.09

PLANETOCENTRIC CONIC

C3 36.024 VHL 6.002 DLA 17.24 RAL 314.88 RAD 6568.4 VEL 12.546 PTH 2.27 VMP 6.671 DPA -38.06 RAP 338.23 ECC 1.5929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 0 39 2927.97 -28.26 91.18 193.66 88.12 23 49 27 2328.0 -28.22 82.51
 90.00 15 43 11 4435.89 7.58 185.22 184.34 62.63 16 57 7 3835.9 3.85 178.52
 100.00 0 35 52 2633.60 -29.88 69.57 193.71 89.25 1 19 46 2033.6 -29.67 60.77
 100.00 16 54 35 4205.50 9.01 167.51 183.57 61.38 18 4 41 3605.5 5.12 160.88
 110.00 2 5 59 2351.62 -34.12 48.09 193.64 92.27 2 45 11 1751.6 -33.43 38.91
 110.00 17 40 57 4060.24 12.67 154.32 181.39 57.98 18 48 38 3460.2 8.35 147.89

DIFFERENTIAL CORRECTIONS

TDE 1.3423 TRA-2.7772 TC3-2.0455 BAU .9852
 RDE .1978 RRA .1604 RC3 .0216 FAU .04581
 FDE .8225 FRA -.3295 FC3-1.1010 BSP 12337
 BDE 1.3570 BRA 2.7819 BC3 2.0456 FSP -435

MID-COURSE EXECUTION ACCURACY

SGT 3921.4 SGR 249.1 SG3 135.8
 RRT -.2730 RRF .1565 RTF .8379
 SGB 3929.3 R23 -.4013 R13 -.8375
 SG1 3922.0 SG2 239.6 THA 179.00

ORBIT DETERMINATION ACCURACY

ST 1530.2 SR 194.9 SS 456.6
 CRT .6771 CRS -.9293 CST -.9002
 LSA 1591.2 MSA 236.5 SSA 7.6
 EL1 1535.9 EL2 142.9 ALF 4.97

LAUNCH DATE JAN 5 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 412.526

RL 147.10 LAL -0.00 LOL 104.21 VL 27.500 GAL -7.77 AZL 83.69 HCA 205.64 SMA 126.61 ECC .20971 INC 6.3054 VI 30.287
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.259 GAP 9.10 AZP 95.69 TAL 212.38 TAP 58.02 RCA 100.06 APO 153.16 V2 34.784
 RC 153.743 GL 31.31 GP -20.78 ZAL 130.42 ZAP 152.67 ETS 311.59 ZAE 126.71 ETE 196.61 ZAC 70.68 ETC 154.52 CLP-161.83

PLANETOCENTRIC CONIC

C3 33.169 VHL 5.759 OLA 16.32 RAL 316.71 RAD 6568.3 VEL 12.431 PTH 2.25 VMP 6.624 DPA -34.65 RAP 339.45 ECC 1.5459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 16 57 2872.60 -28.32 67.13 193.47 90.15 24 4 50 2272.6 -28.00 78.48
 90.00 15 41 29 4449.57 8.00 185.99 184.74 62.75 16 55 39 3849.6 4.29 179.29
 100.00 0 51 23 2580.77 -29.67 65.64 193.45 91.32 1 34 24 1980.8 -29.36 56.87
 100.00 16 53 40 4216.63 9.37 168.14 184.01 61.49 18 3 57 3616.6 5.49 161.50
 110.00 2 19 54 2303.82 -33.93 44.37 193.21 94.46 2 58 18 1703.8 -32.94 35.27
 110.00 17 41 39 4066.35 12.89 154.65 181.93 58.06 18 49 25 3466.3 8.57 148.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2578 TRA-2.6671 TC3-2.2801 BAU 1.0113 SGT 4013.4 SGR 245.9 SG3 138.1 ST 1503.3 SR 201.9 SS 445.1
 RDE .1986 RRA .1336 RC3 .0414 FAU .04559 RRT -.2642 RRF .1235 RTF .8324 CRT .7007 CRS -.9490 CST -.8886
 FDE .7762 FRA -.2694 FC3-1.1900 BSP 12650 SGB 4020.9 R23 -.3569 R13 -.8321 LSA 1562.3 MSA 241.0 SSA 8.8
 BDE 1.2734 BRA 2.6704 BC3 2.2805 FSP -442 SG1 4013.9 SG2 237.2 THA 179.07 EL1 1510.0 EL2 143.4 ALF 5.43

LAUNCH DATE JAN 5 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 418.226

RL 147.10 LAL -0.00 LOL 104.21 VL 27.423 GAL -7.40 AZL 84.11 HCA 208.80 SMA 126.10 ECC .20938 INC 5.8863 VI 30.287
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.202 GAP 9.24 AZP 95.16 TAL 210.55 TAP 59.34 RCA 99.70 APO 152.50 V2 34.784
 RC 155.962 GL 30.15 GP -18.57 ZAL 129.70 ZAP 154.77 ETS 313.50 ZAE 127.50 ETE 195.11 ZAC 71.86 ETC 156.48 CLP-162.61

PLANETOCENTRIC CONIC

C3 30.831 VHL 5.553 OLA 15.75 RAL 318.58 RAD 6568.2 VEL 12.337 PTH 2.22 VMP 6.614 DPA -31.74 RAP 340.89 ECC 1.5074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 29 52 2833.25 -28.28 84.25 193.66 91.60 24 17 5 2233.2 -27.75 75.63
 90.00 15 43 33 4452.12 8.08 186.14 185.42 62.77 16 57 45 3852.1 4.37 179.43
 100.00 1 3 50 2542.89 -29.77 62.83 193.60 92.79 1 46 13 1942.9 -29.07 54.10
 100.00 16 56 12 4217.72 9.41 168.20 184.71 61.50 18 6 29 3617.7 5.53 161.56
 110.00 2 31 24 2268.91 -33.71 41.67 193.24 96.05 3 9 13 1668.9 -32.50 32.64
 110.00 17 45 7 4064.46 12.82 154.55 182.68 58.04 18 52 51 3464.5 8.50 148.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1988 TRA-2.5604 TC3-2.5135 BAU 1.0363 SGT 4105.7 SGR 248.0 SG3 139.3 ST 1488.4 SR 210.5 SS 436.4
 RDE .2011 RRA .1103 RC3 .0603 FAU .04501 RRT -.2502 RRF .0913 RTF .8289 CRT .7254 CRS -.9644 CST -.8794
 FDE .7359 FRA -.2139 FC3-1.2639 BSP 12988 SGB 4113.1 R23 -.3093 R13 -.8286 LSA 1546.1 MSA 244.2 SSA 10.1
 BDE 1.2155 BRA 2.5628 BC3 2.5142 FSP -448 SG1 4106.1 SG2 240.1 THA 179.13 EL1 1496.3 EL2 144.1 ALF 5.91

LAUNCH DATE JAN 5 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 423.918

RL 147.10 LAL -0.00 LOL 104.21 VL 27.347 GAL -7.02 AZL 84.46 HCA 211.95 SMA 125.60 ECC .20921 INC 5.5436 VI 30.287
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.147 GAP 9.39 AZP 94.71 TAL 208.71 TAP 60.66 RCA 99.33 APO 151.88 V2 34.785
 RC 158.168 GL 29.22 GP -16.78 ZAL 128.68 ZAP 156.57 ETS 315.06 ZAE 128.11 ETE 193.83 ZAC 73.29 ETC 158.14 CLP-163.40

PLANETOCENTRIC CONIC

C3 28.852 VHL 5.371 OLA 15.44 RAL 320.52 RAD 6568.2 VEL 12.257 PTH 2.21 VMP 6.630 DPA -29.21 RAP 342.49 ECC 1.4748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 40 24 2805.71 -28.21 82.24 194.18 92.60 24 27 10 2205.7 -27.55 73.64
 90.00 15 48 27 4446.43 7.91 185.82 186.30 62.72 17 2 34 3846.4 4.19 179.11
 100.00 1 14 8 2516.10 -29.67 60.84 194.09 93.83 1 56 4 1916.1 -28.82 52.14
 100.00 17 1 20 4211.27 9.20 167.83 185.61 61.43 18 11 31 3611.3 5.31 161.20
 110.00 2 41 13 2243.64 -33.51 39.72 193.65 97.19 3 18 37 1643.6 -32.15 30.73
 110.00 17 50 45 4056.50 12.53 154.11 183.62 57.93 18 58 21 3456.5 8.21 147.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1375 TRA-2.4750 TC3-2.7777 BAU 1.0718 SGT 4228.3 SGR 251.0 SG3 141.3 ST 1468.1 SR 218.7 SS 420.0
 RDE .2032 RRA .0878 RC3 .0756 FAU .04505 RRT -.2312 RRF .0505 RTF .8330 CRT .7438 CRS -.9743 CST -.8717
 FDE .6838 FRA -.1811 FC3-1.3517 BSP 13862 SGB 4235.7 R23 -.2505 R13 -.8328 LSA 1523.2 MSA 243.4 SSA 11.6
 BDE 1.1555 BRA 2.4765 BC3 2.7788 FSP -492 SG1 4228.7 SG2 244.2 THA 179.21 EL1 1477.2 EL2 145.3 ALF 6.38

LAUNCH DATE JAN 5 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 429.613

RL 147.10 LAL -0.00 LOL 104.21 VL 27.272 GAL -6.63 AZL 84.74 HCA 215.11 SMA 125.12 ECC .20918 INC 5.2566 VI 30.287
 RP 108.94 LAP -3.02 LOP 319.20 VP 37.093 GAP 9.54 AZP 94.30 TAL 206.86 TAP 61.97 RCA 98.95 APO 151.29 V2 34.787
 RC 160.359 GL 28.45 GP -15.30 ZAL 127.40 ZAP 158.14 ETS 316.32 ZAE 128.60 ETE 192.75 ZAC 74.92 ETC 159.57 CLP-164.19

PLANETOCENTRIC CONIC

C3 27.133 VHL 5.209 OLA 15.37 RAL 322.53 RAD 6568.1 VEL 12.186 PTH 2.19 VMP 6.662 DPA -26.95 RAP 344.21 ECC 1.4465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 49 10 2787.58 -28.14 80.92 194.98 93.26 24 35 37 2187.6 -27.39 72.33
 90.00 15 55 46 4433.93 7.52 185.11 187.37 62.62 17 9 40 3833.9 3.79 178.41
 100.00 1 22 50 2498.16 -29.58 59.52 194.87 94.53 2 4 29 1898.2 -28.64 50.84
 100.00 17 8 42 4198.58 8.79 167.12 186.69 61.31 18 18 41 3598.6 4.89 160.50
 110.00 2 49 48 2226.09 -33.35 38.37 194.38 97.97 3 26 54 1626.1 -31.89 29.45
 110.00 17 58 14 4043.42 12.06 153.40 184.73 57.77 19 5 38 3443.4 7.72 146.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1545 TRA-2.3240 TC3-2.9576 BAU 1.0734 SGT 4258.5 SGR 264.7 SG3 138.5 ST 1501.3 SR 232.2 SS 436.4
 RDE .2099 RRA .0718 RC3 .0961 FAU .04241 RRT -.2061 RRF .0577 RTF .8194 CRT .7843 CRS -.9865 CST -.8702
 FDE .6875 FRA -.0963 FC3-1.3530 BSP 13239 SGB 4266.7 R23 -.2322 R13 -.8192 LSA 1560.8 MSA 248.8 SSA 12.4
 BDE 1.1735 BRA 2.3252 BC3 2.9591 FSP -425 SG1 4258.8 SG2 259.0 THA 179.26 EL1 1512.4 EL2 143.0 ALF 6.98

LAUNCH DATE JAN 5 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 435.296

RL 147.10 LAL -0.00 LOL 104.21 VL 27.199 GAL -6.23 AZL 84.99 MCA 218.27 SMA 124.65 ECC .20933 INC 5.0114 V1 30.287
 RP 108.93 LAP -3.10 LOP 322.37 VP 37.041 GAP 9.70 AZP 93.94 TAL 204.99 TAP 63.26 RCA 98.56 APO 150.74 V2 34.789
 RC 162.536 GL 27.81 GP -14.06 ZAL 125.89 ZAP 159.54 ETS 317.30 ZAE 129.00 ETE 191.83 ZAC 76.68 ETC 160.81 CLP-164.98

PLANETOCENTRIC CONIC

C3 25.626 VHL 5.062 DLA 15.46 RAL 324.63 RAD 6568.0 VEL 12.124 PTH 2.17 VHP 6.708 DPA -24.91 RAP 346.02 ECC 1.4217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 0 33 2776.96 -28.10 80.14 196.03 93.65 0 46 50 2177.0 -27.30 71.57
 90.00 16 5 3 4416.22 6.96 184.10 188.62 62.48 17 18 39 3816.2 3.22 177.42
 100.00 1 30 23 2487.30 -29.52 58.72 195.91 94.94 2 11 50 1887.3 -28.52 50.06
 100.00 17 17 55 4181.11 8.21 166.14 187.94 61.16 18 27 36 3581.1 4.30 159.53
 110.00 2 57 29 2214.74 -33.24 37.51 195.40 98.47 3 34 24 1614.7 -31.71 28.61
 110.00 18 7 18 4026.44 11.44 152.47 186.00 57.57 19 14 24 3426.4 7.08 146.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1412 TRA-2.2120 TC3-3.2006 BAU 1.0972 SGT 4349.4 SGR 274.2 SG3 138.4 ST 1511.6 SR 243.0 SS 433.7
 RDE .2141 RRA .0538 RC3 .1105 FAU .04140 RRT -.1792 RRF .0425 RTF .8198 CRT .8107 CRS -.9923 CST -.8691
 FDE .6599 FRA -.0521 FC3-1.3986 BSP 13652 SGB 4358.0 R23 -.1930 R13 -.8196 LSA 1571.9 MSA 247.3 SSA 13.6
 BOE 1.1611 BRA 2.2127 BC3 3.2025 FSP -433 SG1 4349.6 SG2 269.8 TMA 179.35 EL1 1524.5 EL2 141.1 ALF 7.49

LAUNCH DATE JAN 5 1966

FLIGHT TIME 146.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 440.975

RL 147.10 LAL -0.00 LOL 104.21 VL 27.126 GAL -5.82 AZL 85.20 MCA 221.43 SMA 124.19 ECC .20966 INC 4.7982 V1 30.287
 RP 108.92 LAP -3.17 LOP 325.53 VP 36.991 GAP 9.85 AZP 93.60 TAL 203.12 TAP 64.55 RCA 98.15 APO 150.23 V2 34.792
 RC 164.699 GL 27.26 GP -13.00 ZAL 124.17 ZAP 160.80 ETS 318.04 ZAE 129.33 ETE 191.04 ZAC 78.55 ETC 161.89 CLP-165.76

PLANETOCENTRIC CONIC

C3 24.289 VHL 4.928 DLA 15.71 RAL 326.83 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 6.765 DPA -23.02 RAP 347.89 ECC 1.3997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 6 59 2772.84 -28.08 79.84 197.32 93.80 0 53 12 2172.8 -27.26 71.28
 90.00 16 16 10 4393.95 6.26 182.84 190.05 62.33 17 29 24 3793.9 2.50 176.17
 100.00 1 37 0 2482.56 -29.49 58.37 197.20 95.13 2 18 23 1882.6 -28.47 49.71
 100.00 17 28 50 4159.46 7.50 164.93 189.38 60.98 18 38 9 3559.5 3.57 158.34
 110.00 3 4 31 2208.73 -33.18 37.05 196.67 98.74 3 41 20 1608.7 -31.62 28.17
 110.00 18 17 48 4006.05 10.69 151.36 187.45 57.34 19 24 34 3406.1 6.31 145.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1446 TRA-2.0886 TC3-3.4388 BAU 1.1174 SGT 4429.7 SGR 285.6 SG3 137.7 ST 1534.2 SR 254.5 SS 435.8
 RDE .2186 RRA .0374 RC3 .1239 FAU .04010 RRT -.1501 RRF .0369 RTF .8190 CRT .8388 CRS -.9959 CST -.8709
 FDE .6403 FRA -.0030 FC3-1.4292 BSP 13925 SGB 4438.9 R23 -.1622 R13 -.8189 LSA 1596.3 MSA 244.7 SSA 14.8
 BOE 1.1653 BRA 2.0890 BC3 3.4411 FSP -432 SG1 4430.0 SG2 282.3 TMA 179.44 EL1 1549.1 EL2 137.2 ALF 7.99

LAUNCH DATE JAN 5 1966

FLIGHT TIME 148.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 446.646

RL 147.10 LAL -0.00 LOL 104.21 VL 27.055 GAL -5.41 AZL 85.39 MCA 224.59 SMA 123.75 ECC .21016 INC 4.6100 V1 30.287
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.942 GAP 10.01 AZP 93.29 TAL 201.23 TAP 65.82 RCA 97.74 APO 149.75 V2 34.796
 RC 166.847 GL 26.77 GP -12.10 ZAL 122.26 ZAP 161.96 ETS 318.55 ZAE 129.63 ETE 190.36 ZAC 80.52 ETC 162.85 CLP-166.52

PLANETOCENTRIC CONIC

C3 23.099 VHL 4.806 DLA 16.10 RAL 329.14 RAD 6567.9 VEL 12.020 PTH 2.15 VHP 6.830 DPA -21.26 RAP 349.81 ECC 1.3801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 12 36 2774.47 -28.09 79.96 198.86 93.74 0 58 51 2174.5 -27.27 71.39
 90.00 16 28 58 4367.75 5.43 181.36 191.67 62.17 17 41 46 3767.8 1.66 174.71
 100.00 1 42 55 2483.21 -29.49 58.42 198.73 95.10 2 24 18 1883.2 -28.47 49.76
 100.00 17 41 20 4134.24 6.67 163.52 191.00 60.79 18 50 14 3534.2 2.72 156.95
 110.00 3 11 4 2207.43 -33.17 36.95 198.21 98.79 3 47 51 1607.4 -31.60 28.07
 110.00 18 29 41 3982.79 9.84 150.11 189.07 57.10 19 36 4 3382.8 5.43 143.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1583 TRA-1.9582 TC3-3.6784 BAU 1.1367 SGT 4506.9 SGR 297.4 SG3 136.7 ST 1565.0 SR 266.0 SS 439.5
 RDE .2230 RRA .0221 RC3 .1357 FAU .03873 RRT -.1200 RRF .0361 RTF .8189 CRT .8664 CRS -.9974 CST -.8751
 FDE .6237 FRA .0405 FC3-1.4516 BSP 14189 SGB 4516.7 R23 -.1358 R13 -.8188 LSA 1629.5 MSA 240.4 SSA 15.9
 BOE 1.1796 BRA 1.9584 BC3 3.6809 FSP -429 SG1 4507.1 SG2 295.3 TMA 179.54 EL1 1582.0 EL2 131.4 ALF 8.44

LAUNCH DATE JAN 5 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 452.311

RL 147.10 LAL -0.00 LOL 104.21 VL 26.986 GAL -4.98 AZL 85.56 MCA 227.75 SMA 123.31 ECC .21084 INC 4.4418 V1 30.287
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.896 GAP 10.17 AZP 92.99 TAL 199.34 TAP 67.09 RCA 97.31 APO 149.31 V2 34.800
 RC 168.980 GL 26.33 GP -11.33 ZAL 120.17 ZAP 163.03 ETS 318.86 ZAE 129.89 ETE 189.78 ZAC 82.55 ETC 163.69 CLP-167.28

PLANETOCENTRIC CONIC

C3 22.041 VHL 4.695 DLA 16.59 RAL 331.57 RAD 6567.9 VEL 11.976 PTH 2.13 VHP 6.902 DPA -19.60 RAP 351.78 ECC 1.3627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 17 34 2781.33 -28.12 80.46 200.63 93.49 1 3 55 2181.3 -27.34 71.88
 90.00 16 43 24 4338.13 4.48 179.70 193.50 62.01 17 55 42 3738.1 .70 173.06
 100.00 1 48 17 2488.77 -29.53 58.83 200.51 94.89 2 29 46 1888.8 -28.54 50.16
 100.00 17 55 22 4105.92 5.72 161.95 192.82 60.61 19 3 48 3505.9 1.76 155.40
 110.00 3 17 16 2210.37 -33.20 37.17 200.00 98.66 3 54 6 1610.4 -31.64 28.29
 110.00 18 42 52 3957.08 8.88 148.73 190.89 56.85 19 48 50 3357.1 4.46 142.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1810 TRA-1.8209 TC3-3.9189 BAU 1.1556 SGT 4581.9 SGR 309.6 SG3 135.6 ST 1604.1 SR 277.6 SS 444.7
 RDE .2274 RRA .0079 RC3 .1458 FAU .03735 RRT -.0895 RRF .0391 RTF .8195 CRT .8926 CRS -.9970 CST -.8813
 FDE .6095 FRA .0843 FC3-1.4669 BSP 14451 SGB 4592.4 R23 -.1133 R13 -.8194 LSA 1671.2 MSA 234.2 SSA 17.1
 BOE 1.2027 BRA 1.8209 BC3 3.9216 FSP -427 SG1 4582.0 SG2 308.3 TMA 179.65 EL1 1623.5 EL2 123.7 ALF 8.83

LAUNCH DATE JAN 5 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 457.967

RL 147.10 LAL -0.00 LOL 104.21 VL 26.917 GAL -4.54 AZL 85.71 HCA 230.91 SMA 122.89 ECC .21171 INC 4.2896 V1 30.287
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.850 GAP 10.34 AZP 92.71 TAL 197.43 TAP 68.34 RCA 96.87 APO 148.91 V2 34.805
 RC 171.096 GL 25.90 GP -10.65 ZAL 117.89 ZAP 164.03 ETS 318.96 ZAE 130.14 ETE 189.27 ZAC 84.65 ETC 164.45 CLP-168.03

PLANETOCENTRIC CONIC

C3 21.106 VHL 4.594 DLA 17.18 RAL 334.13 RAD 6567.9 VEL 11.937 PTH 2.12 VMP 6.982 DPA -18.01 RAP 353.78 ECC 1.3474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 21 59 2793.10 -28.16 81.32 202.64 93.06 1 8 32 2193.1 -27.44 72.73
 90.00 16 59 25 4305.45 3.44 177.87 195.55 61.88 18 11 11 3705.5 -3.35 171.24
 100.00 1 53 13 2498.89 -29.58 59.57 202.54 94.50 2 34 52 1898.9 -28.65 50.89
 100.00 18 10 53 4074.89 4.68 160.23 194.87 60.44 19 18 47 3474.9 .71 153.70
 110.00 3 23 14 2217.24 -33.27 37.70 202.05 98.36 4 0 11 1617.2 -31.75 28.80
 110.00 18 57 21 3929.30 7.84 147.24 192.92 56.62 20 2 50 3329.3 3.40 140.98

DIFFERENTIAL CORRECTIONS

TDE 1.2139 TRA-1.6733 TC3-4.1529 BAU 1.1726
 RDE .2318 RRA -.0051 RC3 .1541 FAU .03586
 FDE .5986 FRA .1284 FC3-1.4711 BSP 14644
 BDE 1.2358 BRA 1.6733 BC3 4.1558 FSP -420

MID-COURSE EXECUTION ACCURACY

SGT 4650.1 SGR 321.9 SG3 134.2
 RRT -.0589 RRF .0466 RTF .8199
 SGB 4661.3 R23 -.0952 R13 -.8199
 SG1 4650.2 SG2 321.4 TMA 179.77

ORBIT DETERMINATION ACCURACY

ST 1653.6 SR 289.1 SS 452.1
 CRT .9171 CRS -.9949 CST -.8893
 LSA 1723.6 MSA 226.5 SSA 18.2
 EL1 1674.8 EL2 113.8 ALF 9.15

LAUNCH DATE JAN 5 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 463.615

RL 147.10 LAL -0.00 LOL 104.21 VL 26.850 GAL -4.10 AZL 85.85 HCA 234.07 SMA 122.48 ECC .21279 INC 4.1504 V1 30.287
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.807 GAP 10.52 AZP 92.44 TAL 195.52 TAP 69.60 RCA 96.42 APO 148.55 V2 34.811
 RC 173.196 GL 25.49 GP -10.06 ZAL 115.43 ZAP 164.96 ETS 318.86 ZAE 130.37 ETE 188.83 ZAC 86.80 ETC 165.12 CLP-168.76

PLANETOCENTRIC CONIC

C3 20.288 VHL 4.504 DLA 17.86 RAL 336.84 RAD 6567.8 VEL 11.902 PTH 2.11 VMP 7.069 DPA -16.49 RAP 355.81 ECC 1.3339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 25 58 2809.52 -28.22 82.52 204.91 92.46 1 12 47 2209.5 -27.58 73.91
 90.00 17 17 1 4270.09 2.30 175.89 197.84 61.77 18 28 11 3670.1 -1.49 169.26
 100.00 1 57 49 2513.32 -29.66 60.64 204.82 93.94 2 39 42 1913.3 -28.79 51.94
 100.00 18 27 51 4041.53 3.56 158.39 197.14 60.30 19 35 13 3441.5 -.42 151.87
 110.00 3 29 5 2227.79 -33.37 38.50 204.37 97.89 4 6 12 1627.8 -31.92 29.57
 110.00 19 13 5 3899.83 6.74 145.68 193.18 56.41 20 18 5 3299.8 2.27 139.44

DIFFERENTIAL CORRECTIONS

TDE 1.2517 TRA-1.5200 TC3-4.3869 BAU 1.1907
 RDE .2360 RRA -.0171 RC3 .1602 FAU .03447
 FDE .5874 FRA .1696 FC3-1.4708 BSP 14907
 BDE 1.2737 BRA 1.5201 BC3 4.3898 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 4720.1 SGR 333.9 SG3 132.9
 RRT -.0290 RRF .0545 RTF .8218
 SGB 4731.9 R23 -.0784 R13 -.8218
 SG1 4720.1 SG2 333.7 TMA 179.88

ORBIT DETERMINATION ACCURACY

ST 1708.9 SR 300.3 SS 458.9
 CRT .9385 CRS -.9913 CST -.8979
 LSA 1781.5 MSA 217.1 SSA 19.4
 EL1 1732.1 EL2 102.3 ALF 9.40

LAUNCH DATE JAN 5 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 469.253

RL 147.10 LAL -0.00 LOL 104.21 VL 26.784 GAL -3.64 AZL 85.98 HCA 237.24 SMA 122.08 ECC .21409 INC 4.0220 V1 30.287
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.765 GAP 10.70 AZP 92.18 TAL 193.60 TAP 70.84 RCA 95.95 APO 148.22 V2 34.817
 RC 175.278 GL 25.06 GP -9.54 ZAL 112.81 ZAP 165.84 ETS 318.56 ZAE 130.58 ETE 188.45 ZAC 88.99 ETC 165.73 CLP-169.49

PLANETOCENTRIC CONIC

C3 19.585 VHL 4.425 DLA 18.61 RAL 339.69 RAD 6567.8 VEL 11.873 PTH 2.11 VMP 7.163 DPA -15.03 RAP 357.86 ECC 1.3223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 34 2830.46 -28.27 84.05 207.43 91.70 1 16 45 2230.5 -27.74 75.42
 90.00 17 36 11 4232.36 1.08 173.79 200.38 61.70 18 46 43 3632.4 -2.71 167.16
 100.00 2 2 10 2531.88 -29.73 62.01 207.36 93.22 2 44 22 1931.9 -28.97 53.29
 100.00 18 46 17 4006.18 2.36 156.45 199.67 60.19 19 53 3 3406.2 -1.62 149.93
 110.00 3 34 53 2241.80 -33.49 39.58 206.96 97.27 4 12 15 1641.8 -32.13 30.61
 110.00 19 30 3 3869.03 5.57 144.05 197.67 56.22 20 34 32 3269.0 1.10 137.83

DIFFERENTIAL CORRECTIONS

TDE 1.2964 TRA-1.3578 TC3-4.6101 BAU 1.2078
 RDE .2404 RRA -.0280 RC3 .1641 FAU .03306
 FDE .5773 FRA .2097 FC3-1.4614 BSP 15150
 BDE 1.3185 BRA 1.3581 BC3 4.6130 FSP -415

MID-COURSE EXECUTION ACCURACY

SGT 4786.2 SGR 345.5 SG3 131.4
 RRT .0004 RRF .0643 RTF .8243
 SGB 4798.6 R23 .0640 R13 .8243
 SG1 4786.2 SG2 345.5 TMA .00

ORBIT DETERMINATION ACCURACY

ST 1772.5 SR 311.4 SS 466.3
 CRT .9568 CRS -.9864 CST -.9072
 LSA 1847.4 MSA 206.6 SSA 20.6
 EL1 1797.4 EL2 89.3 ALF 9.57

LAUNCH DATE JAN 5 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 474.880

RL 147.10 LAL -0.00 LOL 104.21 VL 26.719 GAL -3.16 AZL 86.10 HCA 240.41 SMA 121.70 ECC .21560 INC 3.9023 V1 30.287
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.724 GAP 10.89 AZP 91.93 TAL 191.67 TAP 72.08 RCA 95.46 APO 147.93 V2 34.824
 RC 177.341 GL 24.62 GP -9.08 ZAL 110.01 ZAP 166.68 ETS 318.06 ZAE 130.79 ETE 188.12 ZAC 91.22 ETC 166.27 CLP-170.20

PLANETOCENTRIC CONIC

C3 18.996 VHL 4.358 DLA 19.42 RAL 342.70 RAD 6567.8 VEL 11.848 PTH 2.10 VMP 7.264 DPA -13.61 RAP 359.94 ECC 1.3126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 32 53 2855.79 -28.31 85.90 210.22 90.77 1 20 29 2255.8 -27.90 77.26
 90.00 17 56 54 4192.60 -2.20 171.57 203.19 61.68 19 6 47 3592.6 -3.98 164.93
 100.00 2 6 20 2554.42 -29.81 63.68 210.17 92.34 2 48 55 1954.4 -29.17 54.94
 100.00 19 6 8 3969.21 1.11 154.42 202.46 60.13 20 12 17 3369.2 -2.87 147.89
 110.00 3 40 44 2259.09 -33.63 40.91 209.83 96.49 4 18 23 1659.1 -32.37 31.90
 110.00 19 48 13 3837.30 4.37 142.39 200.43 56.06 20 52 11 3237.3 -.12 136.17

DIFFERENTIAL CORRECTIONS

TDE 1.3477 TRA-1.1861 TC3-4.8187 BAU 1.2245
 RDE .2450 RRA -.0376 RC3 .1657 FAU .03165
 FDE .5686 FRA .2494 FC3-1.4427 BSP 15389
 BDE 1.3698 BRA 1.1867 BC3 4.8215 FSP -413

MID-COURSE EXECUTION ACCURACY

SGT 4849.3 SGR 356.8 SG3 129.9
 RRT .0293 RRF .0762 RTF .8272
 SGB 4862.4 R23 .0519 R13 .8272
 SG1 4849.3 SG2 356.7 TMA .12

ORBIT DETERMINATION ACCURACY

ST 1844.1 SR 322.5 SS 474.3
 CRT .9717 CRS -.9805 CST -.9166
 LSA 1921.2 MSA 195.5 SSA 21.9
 EL1 1870.6 EL2 75.1 ALF 9.66

LAUNCH DATE JAN 5 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 480.496

RL 147.10 LAL -0.00 LOL 104.21 VL 26.655 GAL -2.68 AZL 86.21 MCA 243.57 SMA 121.32 ECC .21735 INC 3.7898 V1 30.287
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.685 GAP 11.09 AZP 91.69 TAL 189.74 TAP 73.31 RCA 94.95 APO 147.69 V2 34.832
 RC 179.385 GL 24.14 GP -8.67 ZAL 107.05 ZAP 167.47 ETS 317.34 ZAE 131.00 ETE 187.83 ZAC 93.48 ETC 166.76 CLP-170.91

PLANETOCENTRIC CONIC

C3 18.524 VHL 4.304 DLA 20.27 RAL 345.88 RAD 6567.7 VEL 11.828 PTH 2.09 VHP 7.372 DPA -12.22 RAP 2.03 ECC 1.3049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 35 56 2885.42 -28.32 88.07 213.28 89.68 1 24 2 2285.4 -28.06 79.41
 90.00 18 19 10 4151.14 -1.54 169.26 206.29 61.72 19 28 21 3551.1 -5.31 162.60
 100.00 2 10 25 2580.77 -29.87 65.64 213.26 91.32 2 53 26 1980.8 -29.36 56.87
 100.00 19 27 23 3931.01 -1.18 152.32 205.53 60.11 20 32 54 3331.0 -4.16 145.79
 110.00 3 46 43 2279.48 -33.78 42.48 212.98 95.57 4 24 43 1679.5 -32.64 33.43
 110.00 20 7 34 3805.08 3.14 140.70 203.46 55.94 21 10 59 3205.1 -1.35 134.49

DIFFERENTIAL CORRECTIONS

TDE 1.4073 TRA -1.0017 TC3-4.9988 BAU 1.2386
 RDE .2501 RRA -.0458 RC3 .1651 FAU .03016
 FDE .5621 FRA .2903 FC3-1.4097 BSP 15532
 BDE 1.4293 BRA 1.0028 BC3 5.0016 FSP -405

MID-COURSE EXECUTION ACCURACY

SGT 4903.6 SGR 367.8 SG3 128.2
 RRT .0580 RRF .0913 RTF .8297
 SGB 4917.4 R23 .0430 R13 .8297
 SG1 4903.7 SG2 367.2 TMA .25

ORBIT DETERMINATION ACCURACY

ST 1925.7 SR 333.6 SS 483.7
 CRT .9832 CRS -.9736 CST -.9259
 LSA 2004.7 MSA 184.4 SSA 23.1
 EL1 1933.4 EL2 60.0 ALF 9.67

LAUNCH DATE JAN 5 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 16 1966

HELIOCENTRIC CONIC

DISTANCE 486.097

RL 147.10 LAL -0.00 LOL 104.21 VL 26.593 GAL -2.18 AZL 86.32 MCA 246.74 SMA 120.95 ECC .21936 INC 3.6833 V1 30.287
 RP 108.77 LAP -3.38 LOP 350.91 VP 36.647 GAP 11.30 AZP 91.46 TAL 187.80 TAP 74.54 RCA 94.42 APO 147.48 V2 34.840
 RC 181.409 GL 23.61 GP -8.30 ZAL 103.94 ZAP 168.22 ETS 316.39 ZAE 131.20 ETE 187.57 ZAC 95.77 ETC 167.19 CLP-171.61

PLANETOCENTRIC CONIC

C3 18.172 VHL 4.263 DLA 21.15 RAL 349.21 RAD 6567.7 VEL 11.813 PTH 2.09 VHP 7.488 DPA -10.87 RAP 4.14 ECC 1.2991
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 48 2919.20 -28.28 90.54 216.60 88.45 1 27 27 2319.2 -28.19 81.87
 90.00 18 42 56 4108.39 -2.92 166.87 209.68 61.82 19 51 25 3508.4 -6.66 160.19
 100.00 2 14 27 2610.74 -29.89 67.87 216.63 90.14 2 57 58 2010.7 -29.55 59.08
 100.00 19 49 57 3892.08 -1.50 150.19 208.90 60.14 20 54 50 3292.1 -5.47 143.64
 110.00 3 52 55 2302.70 -33.92 44.28 216.43 94.52 4 31 18 1702.7 -32.92 35.18
 110.00 20 27 59 3772.89 1.91 139.02 206.76 55.86 21 30 52 3172.9 -2.58 132.81

DIFFERENTIAL CORRECTIONS

TDE 1.4681 TRA -.8108 TC3-5.1581 BAU 1.2538
 RDE .2557 RRA -.0528 RC3 .1619 FAU .02877
 FDE .5540 FRA .3286 FC3-1.3708 BSP 15749
 BDE 1.4902 BRA .8126 BC3 5.1606 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 4959.7 SGR 378.0 SG3 126.5
 RRT .0854 RRF .1057 RTF .8337
 SGB 4974.1 R23 .0342 R13 .8337
 SG1 4959.8 SG2 376.7 TMA .38

ORBIT DETERMINATION ACCURACY

ST 2008.4 SR 344.4 SS 491.0
 CRT .9910 CRS -.9660 CST -.9344
 LSA 2088.7 MSA 173.5 SSA 24.2
 EL1 2037.2 EL2 45.4 ALF 9.65

LAUNCH DATE JAN 5 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 18 1966

HELIOCENTRIC CONIC

DISTANCE 491.684

RL 147.10 LAL -0.00 LOL 104.21 VL 26.531 GAL -1.66 AZL 86.42 MCA 249.91 SMA 120.59 ECC .22163 INC 3.5818 V1 30.287
 RP 108.74 LAP -3.36 LOP 354.08 VP 36.611 GAP 11.52 AZP 91.23 TAL 185.86 TAP 75.77 RCA 93.86 APO 147.32 V2 34.849
 RC 183.413 GL 23.02 GP -7.97 ZAL 100.69 ZAP 168.94 ETS 315.19 ZAE 131.39 ETE 187.35 ZAC 98.08 ETC 167.58 CLP-172.30

PLANETOCENTRIC CONIC

C3 17.948 VHL 4.236 DLA 22.04 RAL 352.71 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 7.612 DPA -9.54 RAP 6.27 ECC 1.2954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 41 29 2957.01 -28.18 93.30 220.20 87.06 1 30 46 2357.0 -28.29 84.64
 90.00 19 8 9 4064.78 -4.31 164.43 213.38 61.99 20 15 54 3464.8 -8.03 157.72
 100.00 2 18 32 2644.08 -29.87 70.35 220.27 88.84 3 2 36 2044.1 -29.71 61.55
 100.00 20 13 47 3852.94 -2.83 148.04 212.55 60.23 21 18 0 3252.9 -6.77 141.47
 110.00 3 59 25 2328.48 -34.04 46.28 220.17 93.34 4 38 14 1728.5 -33.20 37.14
 110.00 20 49 24 3741.31 .71 137.37 210.35 55.82 21 51 45 3141.3 -5.78 131.16

DIFFERENTIAL CORRECTIONS

TDE 1.5316 TRA -.6100 TC3-5.2840 BAU 1.2684
 RDE .2619 RRA -.0585 RC3 .1561 FAU .02742
 FDE .5455 FRA .3663 FC3-1.3224 BSP 15972
 BDE 1.5538 BRA .6128 BC3 5.2863 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 5012.7 SGR 387.6 SG3 124.8
 RRT .1119 RRF .1206 RTF .8384
 SGB 5027.7 R23 .0264 R13 .8384
 SG1 5012.9 SG2 385.1 TMA .50

ORBIT DETERMINATION ACCURACY

ST 2092.8 SR 355.1 SS 497.0
 CRT .9956 CRS -.9578 CST -.9420
 LSA 2173.9 MSA 163.5 SSA 25.3
 EL1 2122.5 EL2 32.0 ALF 9.59

LAUNCH DATE JAN 5 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 20 1966

HELIOCENTRIC CONIC

DISTANCE 497.254

RL 147.10 LAL -0.00 LOL 104.21 VL 26.471 GAL -1.13 AZL 86.52 MCA 253.08 SMA 120.24 ECC .22419 INC 3.4842 V1 30.287
 RP 108.71 LAP -3.33 LOP 357.26 VP 36.576 GAP 11.75 AZP 91.01 TAL 183.91 TAP 77.00 RCA 93.28 APO 147.20 V2 34.858
 RC 185.395 GL 22.37 GP -7.67 ZAL 97.31 ZAP 169.62 ETS 313.71 ZAE 131.58 ETE 187.15 ZAC 100.41 ETC 167.92 CLP-172.99

PLANETOCENTRIC CONIC

C3 17.857 VHL 4.226 DLA 22.93 RAL 356.37 RAD 6567.7 VEL 11.800 PTH 2.09 VHP 7.745 DPA -8.24 RAP 8.41 ECC 1.2939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 44 4 2998.64 -27.99 96.33 224.05 85.56 1 34 3 2398.6 -28.32 87.68
 90.00 19 34 42 4020.80 -5.72 161.95 217.38 62.22 20 41 43 3420.8 -9.39 155.20
 100.00 2 22 45 2680.48 -29.79 73.05 224.18 87.42 3 7 25 2080.5 -29.83 64.25
 100.00 20 38 43 3814.18 -4.14 145.90 216.51 60.37 21 42 17 3214.2 -8.05 139.30
 110.00 4 6 19 2356.47 -34.13 48.47 224.20 92.05 4 45 35 1756.5 -33.47 39.29
 110.00 21 11 39 3710.96 -.45 135.79 214.22 55.82 22 13 30 3111.0 -4.93 129.57

DIFFERENTIAL CORRECTIONS

TDE 1.6004 TRA -.3952 TC3-5.3620 BAU 1.2806
 RDE .2691 RRA -.0625 RC3 .1481 FAU .02601
 FDE .5383 FRA .4054 FC3-1.2611 BSP 16093
 BDE 1.6228 BRA .4001 BC3 5.3641 FSP -392

MID-COURSE EXECUTION ACCURACY

SGT 5058.0 SGR 396.6 SG3 122.9
 RRT .1385 RRF .1381 RTF .8429
 SGB 5073.6 R23 .0208 R13 .8429
 SG1 5058.3 SG2 392.7 TMA .63

ORBIT DETERMINATION ACCURACY

ST 2181.1 SR 365.9 SS 503.3
 CRT .9974 CRS -.9491 CST -.9489
 LSA 2262.7 MSA 155.1 SSA 26.1
 EL1 2211.4 EL2 26.2 ALF 9.50

LAUNCH DATE JAN 5 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 22 1966

HELIOCENTRIC CONIC

DISTANCE 502.804

RL 147.10 LAL -0.00 LOL 104.21 VL 26.412 GAL -5.58 AZL 86.61 MCA 256.26 SMA 119.90 ECC .22705 INC 3.3098 V1 30.287
 RP 108.68 LAP -3.29 LOP .44 VP 36.543 GAP 11.99 ATP 90.81 TAL 181.97 TAP 78.23 RCA 92.68 APO 147.12 V2 34.868
 RC 187.357 GL 21.65 GP -7.41 ZAL 93.83 ZAP 170.27 ETS 311.93 ZAE 131.77 ETE 186.98 ZAC 102.78 ETC 168.22 CLP-173.67

PLANETOCENTRIC CONIC

C3 17.911 VHL 4.232 CLA 23.78 RAL .16 RAD 6567.7 VEL 11.802 PTH 2.09 VMP 7.887 CPA -6.97 RAP 10.57 ECC 1.2948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 36 3043.80 -27.71 99.81 228.15 83.94 1 37 20 2443.8 -28.86 90.98
 90.00 20 2 28 3977.03 -7.10 159.48 221.68 62.52 21 8 45 3377.0 -10.72 152.68
 100.00 2 27 11 2719.52 -29.64 75.94 228.34 85.90 3 12 30 2119.5 -29.89 67.15
 100.00 21 4 34 3776.55 -5.40 143.82 220.75 60.55 22 7 31 3176.6 -9.28 137.19
 110.00 4 13 42 2386.25 -34.18 50.79 228.50 90.67 4 53 28 1786.2 -33.71 41.58
 110.00 21 34 32 3682.59 -1.54 134.31 218.35 55.85 22 35 54 3082.6 -6.01 128.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6659 TRA -0.1729 TC3-5.4015 BAU 1.2938 SGT 5104.4 SGR 404.7 SG3 121.1 ST 2260.8 SR 376.5 SS 507.0
 RDE .2773 RRA -0.0651 RC3 .1377 FAU .02472 RRT .1637 RRF .1553 RTF .8486 CRT .9966 CRS -.9401 CST -.9548
 FDE .5296 FRA .4427 FC3-1.1946 BSP 16296 SGB 5120.4 R23 .0157 R13 .8486 LSA 2342.4 MSA 148.6 SSA 26.6
 BOE 1.6888 BRA .1847 BC3 5.4033 FSP -390 SGI 5104.8 SG2 399.2 THA .75 EL1 2291.7 EL2 30.4 ALF 9.43

LAUNCH DATE JAN 5 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 508.518

RL 147.10 LAL -0.00 LOL 104.21 VL 26.353 GAL -0.01 AZL 86.70 MCA 259.44 SMA 119.57 ECC .23026 INC 3.2978 V1 30.287
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.510 GAP 12.26 ATP 90.61 TAL 180.03 TAP 79.47 RCA 92.03 APO 147.10 V2 34.878
 RC 189.297 GL 20.86 GP -7.16 ZAL 90.28 ZAP 170.88 ETS 309.78 ZAE 131.96 ETE 186.83 ZAC 105.13 ETC 168.48 CLP-174.35

PLANETOCENTRIC CONIC

C3 18.122 VHL 4.257 CLA 24.59 RAL 4.06 RAD 6567.7 VEL 11.811 PTH 2.09 VMP 8.041 DPA -5.72 RAP 12.73 ECC 1.2982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 13 3091.57 -27.32 103.05 232.44 82.25 1 40 44 2491.6 -28.11 94.47
 90.00 20 30 57 3934.74 -8.42 157.08 226.24 62.86 21 36 32 3334.7 -11.99 150.22
 100.00 2 32 0 2760.17 -29.40 78.94 232.72 84.34 3 18 0 2160.2 -29.87 70.17
 100.00 21 30 51 3741.37 -6.57 141.87 225.24 60.77 22 33 12 3141.4 -10.42 135.19
 110.00 4 21 42 2416.96 -34.18 53.19 233.04 89.25 5 1 59 1817.0 -33.90 43.96
 110.00 21 57 38 3657.34 -2.50 132.99 222.72 55.90 22 58 36 3057.3 -6.96 126.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6639 TRA -0.0740 TC3-5.7381 BAU 1.3904 SGT 5375.4 SGR 409.1 SG3 129.5 ST 2244.4 SR 386.3 SS 492.8
 RDE .2860 RRA -0.0726 RC3 .1027 FAU .02941 RRT .2030 RRF .1568 RTF .9077 CRT .9950 CRS -.9427 CST -.9647
 FDE .5098 FRA .3978 FC3-1.4050 BSP 19674 SGB 5390.9 R23 -.0291 R13 .9077 LSA 2326.3 MSA 130.5 SSA 27.8
 BOE 1.6883 BRA .1037 BC3 5.7390 FSP -603 SGI 5376.0 SG2 400.5 THA .89 EL1 2277.1 EL2 37.9 ALF 9.72

LAUNCH DATE JAN 5 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 513.835

RL 147.10 LAL -0.00 LOL 104.21 VL 26.296 GAL .59 AZL 86.79 MCA 262.61 SMA 119.24 ECC .23380 INC 3.2077 V1 30.287
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.479 GAP 12.53 ATP 90.41 TAL 178.08 TAP 80.69 RCA 91.36 APO 147.12 V2 34.889
 RC 191.216 GL 20.00 GP -6.95 ZAL 86.63 ZAP 171.46 ETS 307.27 ZAE 132.15 ETE 186.69 ZAC 107.50 ETC 168.70 CLP-175.02

PLANETOCENTRIC CONIC

C3 18.501 VHL 4.301 CLA 25.35 RAL 8.10 RAD 6567.7 VEL 11.827 PTH 2.09 VMP 8.204 DPA -4.48 RAP 14.92 ECC 1.3045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 51 44 3143.17 -26.79 106.73 236.98 80.48 1 44 7 2543.2 -27.84 98.22
 90.00 21 0 41 3892.81 -9.71 154.67 231.11 63.27 22 5 34 3292.8 -13.22 147.76
 100.00 2 37 11 2803.17 -29.07 82.10 237.36 82.71 3 23 54 2203.2 -29.77 73.36
 100.00 21 57 54 3708.04 -7.68 140.01 230.03 61.02 22 59 42 3108.0 -11.48 133.29
 110.00 4 30 22 2449.05 -34.12 55.70 237.85 87.77 5 11 11 1849.1 -34.05 46.45
 110.00 22 21 13 3634.92 -3.36 131.82 227.37 55.96 23 21 48 3034.9 -7.80 125.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.7946 TRA .3113 TC3-5.3128 BAU 1.3144 SGT 5178.2 SGR 418.6 SG3 117.2 ST 2398.4 SR 396.8 SS 509.9
 RDE .2971 RRA -0.0653 RC3 .1126 FAU .02198 RRT .2118 RRF .1932 RTF .8581 CRT .9895 CRS -.9202 CST -.9638
 FDE .5111 FRA .5221 FC3-1.0288 BSP 16604 SGB 5195.1 R23 .0105 R13 .8581 LSA 2479.6 MSA 143.9 SSA 26.4
 BOE 1.8190 BRA .3181 BC3 5.3140 FSP -379 SGI 5178.9 SG2 409.1 THA .99 EL1 2430.4 EL2 56.7 ALF 9.30

LAUNCH DATE JAN 5 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 519.309

RL 147.10 LAL -0.00 LOL 104.21 VL 26.240 GAL 1.20 AZL 86.88 MCA 265.79 SMA 118.93 ECC .23773 INC 3.1189 V1 30.287
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.449 GAP 12.83 ATP 90.23 TAL 176.14 TAP 81.93 RCA 90.65 APO 147.20 V2 34.900
 RC 193.113 GL 19.08 GP -6.75 ZAL 82.97 ZAP 172.00 ETS 304.30 ZAE 132.33 ETE 186.58 ZAC 109.89 ETC 168.88 CLP-175.69

PLANETOCENTRIC CONIC

C3 19.068 VHL 4.367 CLA 26.01 RAL 12.19 RAD 6567.8 VEL 11.851 PTH 2.10 VMP 8.380 DPA -3.27 RAP 17.11 ECC 1.3138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 32 3196.23 -26.14 110.48 241.65 78.71 1 47 48 2596.2 -27.44 102.05
 90.00 21 30 32 3853.97 -10.89 152.43 236.19 63.70 22 34 46 3254.0 -14.34 145.45
 100.00 2 43 5 2846.25 -28.66 85.23 242.15 81.11 3 30 32 2246.3 -29.59 76.55
 100.00 22 24 40 3679.17 -8.63 138.39 235.00 61.27 23 25 59 3079.2 -12.40 131.63
 110.00 4 39 51 2480.91 -34.01 58.18 242.84 86.31 5 21 12 1880.9 -34.14 48.93
 110.00 22 44 23 3617.28 -4.03 130.89 232.18 56.03 23 44 40 3017.3 -8.46 124.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8544 TRA .5740 TC3-5.1846 BAU 1.3219 SGT 5208.2 SGR 424.2 SG3 115.2 ST 2449.9 SR 406.1 SS 508.1
 RDE .3088 RRA -0.0628 RC3 .0983 FAU .02067 RRT .2355 RRF .2130 RTF .8640 CRT .9836 CRS -.9097 CST -.9674
 FDE .5005 FRA .5619 FC3 -.9387 BSP 16673 SGB 5225.4 R23 .0085 R13 .8640 LSA 2530.4 MSA 145.1 SSA 25.6
 BOE 1.8799 BRA .5774 BC3 5.1856 FSP -371 SGI 5209.2 SG2 412.2 THA 1.11 EL1 2482.2 EL2 72.4 ALF 9.27

LAUNCH DATE JAN 5 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 524.750

RL 147.10 LAL -0.00 LOL 104.21 VL 26.185 GAL 1.84 AZL 86.97 HCA 268.97 SMA 118.62 ECC .24209 INC 3.0307 V1 30.287
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.421 GAP 13.15 AZP 90.05 TAL 174.20 TAP 83.18 RCA 89.90 APO 147.34 V2 34.912
 RC 194.989 GL 18.10 GP -6.57 ZAL 79.31 ZAP 172.49 ETS 300.84 ZAE 132.50 ETE 186.47 ZAC 112.29 ETC 169.02 CLP-176.36

PLANETOCENTRIC CONIC

C3 19.844 VHL 4.455 DLA 26.59 RAL 16.33 RAD 6567.8 VEL 11.884 PTH 2.11 VMP 8.570 DPA -2.09 RAP 19.31 ECC 1.3266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 57 42 3250.40 -25.36 114.26 246.45 76.97 1 51 53 2650.4 -26.91 105.93
 90.00 22 0 20 3818.67 -11.95 150.38 241.46 64.14 23 3 58 3218.7 -15.33 143.33
 100.00 2 49 52 2888.85 -28.17 88.30 247.10 79.57 3 38 0 2288.8 -29.32 79.69
 100.00 22 50 52 3655.46 -9.40 137.06 240.13 61.49 23 51 47 3055.5 -13.13 130.26
 110.00 4 50 13 2512.23 -33.84 60.61 248.00 84.88 5 32 6 1912.2 -34.18 51.38
 110.00 23 6 59 3604.84 -4.50 130.24 237.14 56.08 24 7 4 3004.8 -8.93 123.94

DIFFERENTIAL CORRECTIONS

TOE 1.9042 TRA .8458 TC3-5.0128 BAU 1.3301
 ROE .3216 RRA -.0588 RC3 .0833 FAU .01946
 FOE .4877 FRA .6011 FC3 -.8488 BSP 16838
 BOE 1.9312 BRA .8479 BC3 5.0135 FSP -368

MID-COURSE EXECUTION ACCURACY

SGT 5236.8 SGR 428.7 SG3 113.1
 RRT .2578 RRF .2321 RTF .8704
 SGB 5254.4 R23 .0065 R13 .8704
 SGI 5238.0 SG2 414.1 TMA 1.22

ORBIT DETERMINATION ACCURACY

ST 2479.9 SR 414.5 SS 502.9
 CRT .9765 CRS -.8983 CST -.9702
 LSA 2559.7 MSA 148.7 SSA 24.5
 EL1 2512.7 EL2 88.2 ALF 9.28

LAUNCH DATE JAN 5 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUL 2 1966

HELIOCENTRIC CONIC

DISTANCE 530.153

RL 147.10 LAL -0.00 LOL 104.21 VL 26.131 GAL 2.51 AZL 87.06 HCA 272.16 SMA 118.32 ECC .24690 INC 2.9426 V1 30.287
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.393 GAP 13.50 AZP 89.89 TAL 172.28 TAP 84.44 RCA 89.11 APO 147.53 V2 34.924
 RC 196.842 GL 17.07 GP -6.40 ZAL 75.67 ZAP 172.94 ETS 296.82 ZAE 132.68 ETE 186.38 ZAC 114.69 ETC 169.12 CLP-177.03

PLANETOCENTRIC CONIC

C3 20.852 VHL 4.566 DLA 27.06 RAL 20.46 RAD 6567.8 VEL 11.926 PTH 2.12 VMP 8.775 DPA -.92 RAP 21.53 ECC 1.3432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 32 3304.44 -24.48 117.97 251.34 75.31 1 56 36 2704.4 -26.26 109.75
 90.00 22 29 30 3788.30 -12.84 148.60 246.86 64.55 23 32 38 3188.3 -16.17 141.50
 100.00 2 57 45 2929.79 -27.63 91.23 252.17 78.12 3 46 35 2329.8 -28.99 82.69
 100.00 23 15 58 3638.18 -9.96 136.08 245.37 61.67 24 16 36 3038.2 -13.67 129.26
 110.00 5 1 32 2542.45 -33.63 62.94 253.30 83.51 5 43 55 1942.5 -34.17 53.74
 110.00 23 28 40 3598.29 -4.75 129.90 242.20 56.11 24 28 39 2998.3 -9.17 123.59

DIFFERENTIAL CORRECTIONS

TOE 1.9472 TRA 1.1329 TC3-4.7926 BAU 1.3362
 ROE .3356 RRA -.0530 RC3 .0685 FAU .01825
 FOE .4743 FRA .6420 FC3 -.7577 BSP 16959
 BOE 1.9759 BRA 1.1342 BC3 4.7931 FSP -364

MID-COURSE EXECUTION ACCURACY

SGT 5260.7 SGR 432.2 SG3 111.0
 RRT .2797 RRF .2321 RTF .8767
 SGB 5278.5 R23 .0053 R13 .8768
 SGI 5262.1 SG2 414.9 TMA 1.32

ORBIT DETERMINATION ACCURACY

ST 2493.1 SR 421.7 SS 496.2
 CRT .9681 CRS -.8860 CST -.9725
 LSA 2572.0 MSA 154.6 SSA 23.2
 EL1 2526.4 EL2 104.2 ALF 9.32

LAUNCH DATE JAN 5 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUL 4 1966

HELIOCENTRIC CONIC

DISTANCE 535.511

RL 147.10 LAL -0.00 LOL 104.21 VL 26.077 GAL 3.22 AZL 87.15 HCA 275.35 SMA 118.03 ECC .25222 INC 2.8541 V1 30.287
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.367 GAP 13.87 AZP 89.73 TAL 170.36 TAP 85.71 RCA 88.26 APO 147.80 V2 34.936
 RC 198.873 GL 16.00 GP -6.25 ZAL 72.08 ZAP 173.34 ETS 292.20 ZAE 132.84 ETE 186.30 ZAC 117.09 ETC 169.19 CLP-177.70

PLANETOCENTRIC CONIC

C3 22.122 VHL 4.703 DLA 27.42 RAL 24.57 RAD 6567.9 VEL 11.979 PTH 2.14 VMP 8.997 DPA .22 RAP 23.76 ECC 1.3641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 6 29 3356.45 -23.54 121.49 256.32 73.79 2 2 25 2756.5 -25.54 113.39
 90.00 22 57 17 3764.79 -13.53 147.21 252.34 64.89 24 0 2 3164.8 -16.80 140.06
 100.00 3 7 2 2967.83 -27.07 93.91 257.34 76.81 3 56 30 2367.8 -28.62 85.45
 100.00 23 39 25 3628.64 -10.27 135.54 250.67 61.77 24 39 54 3028.6 -13.96 128.70
 110.00 5 13 49 2571.10 -33.39 65.14 258.70 82.23 5 56 40 1971.1 -34.11 55.98
 110.00 23 49 8 3598.14 -4.76 129.89 247.33 56.11 24 49 6 2998.1 -9.17 123.58

DIFFERENTIAL CORRECTIONS

TOE 1.9819 TRA 1.4349 TC3-4.5317 BAU 1.3404
 ROE .3507 RRA -.0453 RC3 .0543 FAU .01707
 FOE .4606 FRA .6841 FC3 -.6680 BSP 17069
 BOE 2.0127 BRA 1.4356 BC3 4.5320 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 5280.0 SGR 434.8 SG3 109.0
 RRT .3011 RRF .2721 RTF .8832
 SGB 5297.9 R23 .0048 R13 .8832
 SGI 5281.7 SG2 414.5 TMA 1.43

ORBIT DETERMINATION ACCURACY

ST 2488.8 SR 427.7 SS 488.3
 CRT .9586 CRS -.8728 CST -.9746
 LSA 2568.8 MSA 162.2 SSA 21.8
 EL1 2522.4 EL2 120.2 ALF 9.38

LAUNCH DATE JAN 5 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 6 1966

HELIOCENTRIC CONIC

DISTANCE 540.819

RL 147.10 LAL -0.00 LOL 104.21 VL 26.025 GAL 3.95 AZL 87.24 HCA 278.53 SMA 117.74 ECC .25808 INC 2.7646 V1 30.287
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.341 GAP 14.27 AZP 89.59 TAL 168.46 TAP 86.99 RCA 87.36 APO 148.13 V2 34.948
 RC 200.481 GL 14.91 GP -6.12 ZAL 68.57 ZAP 173.67 ETS 286.95 ZAE 133.00 ETE 186.23 ZAC 119.49 ETC 169.21 CLP-178.38

PLANETOCENTRIC CONIC

C3 23.690 VHL 4.867 DLA 27.66 RAL 28.60 RAD 6568.0 VEL 12.044 PTH 2.15 VMP 9.238 DPA 1.34 RAP 25.99 ECC 1.3899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 18 3403.61 -22.61 124.63 261.37 72.48 2 10 2 2803.6 -24.79 116.64
 90.00 23 22 39 3750.95 -13.93 146.39 257.82 65.09 24 25 10 3150.9 -17.17 139.21
 100.00 3 17 56 3001.81 -26.52 96.29 262.59 75.68 4 7 58 2401.8 -28.23 87.90
 100.00 0 4 38 3627.97 -10.29 135.50 255.96 61.78 1 5 6 3028.0 -13.98 128.66
 110.00 5 27 1 2597.84 -33.13 67.19 264.16 81.05 6 10 19 1997.8 -34.01 58.06
 110.00 0 12 2 3604.71 -4.51 130.23 252.45 56.08 1 12 7 3004.7 -8.93 123.94

DIFFERENTIAL CORRECTIONS

TOE 2.0100 TRA 1.7559 TC3-4.2339 BAU 1.3410
 ROE .3668 RRA -.0358 RC3 .0414 FAU .01587
 FOE .4469 FRA .7288 FC3 -.5798 BSP 17101
 BOE 2.0432 BRA 1.7562 BC3 4.2341 FSP -352

MID-COURSE EXECUTION ACCURACY

SGT 5294.5 SGR 436.3 SG3 107.0
 RRT .3224 RRF .2931 RTF .8894
 SGB 5312.4 R23 .0049 R13 .8894
 SGI 5296.4 SG2 412.8 TMA 1.53

ORBIT DETERMINATION ACCURACY

ST 2470.6 SR 432.0 SS 479.9
 CRT .9477 CRS -.8585 CST -.9764
 LSA 2547.8 MSA 171.3 SSA 20.4
 EL1 2504.4 EL2 136.1 ALF 9.44

LAUNCH DATE JAN 5 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 8 1966

HELIOCENTRIC CONIC

DISTANCE 546.067

RL 147.10 LAL -.00 LOL 104.21 VL 25.974 GAL 4.73 AZL 87.33 MCA 281.72 SMA 117.47 ECC .26456 INC 2.6735 VI 30.287
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.317 GAP 14.70 AZP 89.46 TAL 166.58 TAP 88.30 RCA 86.39 APO 148.54 V2 34.961
 RC 202.264 GL 13.81 GP -5.99 ZAL 65.17 ZAP 173.94 ETS 281.08 ZAE 133.15 ETE 186.16 ZAC 121.89 ETC 169.18 CLP -179.07

PLANETOCENTRIC CONIC

C3 25.596 VHL 5.059 OLA 27.80 RAL 32.53 RAD 6568.0 VEL 12.123 PTH 2.17 VHP 9.499 DPA 2.44 RAP 28.24 ECC 1.4212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 3 3442.09 -21.80 127.16 266.50 71.46 2 20 25 2842.1 -24.13 119.26
 90.00 23 44 17 3750.51 -13.94 146.36 263.22 65.10 24 46 47 3150.5 -17.18 139.19
 100.00 3 30 37 3030.85 -26.01 98.30 267.90 74.73 4 21 8 2430.9 -27.86 89.98
 100.00 0 23 20 3636.99 -10.00 136.01 261.20 61.68 1 23 57 3037.0 -13.71 129.19
 110.00 5 41 5 2622.55 -32.85 69.06 269.66 79.97 6 24 47 2022.5 -33.89 59.98
 110.00 0 29 21 3618.06 -4.00 130.93 257.55 56.02 1 29 39 3018.1 -8.43 124.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0253 TRA 2.0903 TC3-3.9196 BAU 1.3413 SGT 5305.9 SGR 436.5 SCS 105.0 ST 2433.0 SR 434.5 SS 469.7
 ROE .3835 RRA -.0245 RC3 .0295 FAU .01477 RRT .3426 RRF .3131 RTF .8962 CRT .9352 CRS -.8425 CST -.9779
 FDE .4315 FRA .7740 FC3 -.4995 BSP 17197 SGB 5325.8 R23 .0044 R13 .8962 LSA 2509.1 MSA 181.3 S5A 19.0
 BOE 2.0613 BRA 2.0905 BC3 3.9197 FSP -348 SGI 5308.0 SG2 409.9 THA 1.62 EL1 2466.8 EL2 151.7 ALF 9.52

LAUNCH DATE JAN 5 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 551.244

RL 147.10 LAL -.00 LOL 104.21 VL 25.924 GAL 5.54 AZL 87.42 MCA 284.92 SMA 117.20 ECC .27170 INC 2.5802 VI 30.287
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.294 GAP 15.17 AZP 89.34 TAL 164.71 TAP 89.63 RCA 85.35 APO 149.04 V2 34.974
 RC 204.023 GL 12.71 GP -5.88 ZAL 61.89 ZAP 174.12 ETS 274.66 ZAE 133.28 ETE 186.10 ZAC 124.29 ETC 169.11 CLP -179.76

PLANETOCENTRIC CONIC

C3 27.893 VHL 5.281 OLA 27.83 RAL 36.33 RAD 6568.1 VEL 12.218 PTH 2.20 VHP 9.784 DPA 3.51 RAP 30.49 ECC 1.4590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 39 3468.52 -21.21 128.88 271.74 70.79 2 34 28 2868.5 -23.64 121.05
 90.00 0 4 56 3766.74 -13.47 147.32 268.44 64.86 1 7 43 3166.7 -16.75 140.18
 100.00 3 45 2 3054.66 -25.58 99.93 273.25 73.98 4 35 57 2454.7 -27.53 91.68
 100.00 0 39 14 3655.83 -9.39 137.08 266.33 61.49 1 40 10 3055.8 -13.12 130.28
 110.00 5 55 51 2645.26 -32.57 70.77 275.17 78.99 6 39 56 2045.3 -33.74 61.73
 110.00 0 44 53 3638.00 -3.24 131.98 262.58 55.95 1 45 33 3038.0 -7.69 125.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0303 TRA 2.4428 TC3-3.9915 BAU 1.3393 SGT 5312.6 SGR 435.6 SCS 103.0 ST 2581.7 SR 434.9 SS 459.4
 ROE .4009 RRA -.0115 RC3 .0193 FAU .01369 RRT .3622 RRF .3331 RTF .9028 CRT .9210 CRS -.8251 CST -.9793
 FDE .4181 FRA .8213 FC3 -.4249 BSP 17334 SGB 5330.4 R23 .0045 R13 .9028 LSA 2456.7 MSA 192.1 S5A 17.8
 BOE 2.0694 BRA 2.4428 BC3 3.9916 FSP -343 SGI 5315.0 SG2 405.8 THA 1.71 EL1 2415.3 EL2 167.1 ALF 9.59

LAUNCH DATE JAN 5 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 556.340

RL 147.10 LAL -.00 LOL 104.21 VL 25.875 GAL 6.41 AZL 87.52 MCA 288.11 SMA 116.93 ECC .27960 INC 2.4840 VI 30.287
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.271 GAP 15.69 AZP 89.23 TAL 162.88 TAP 90.99 RCA 84.24 APO 149.63 V2 34.987
 RC 205.757 GL 11.61 GP -5.77 ZAL 58.74 ZAP 174.21 ETS 267.82 ZAE 133.41 ETE 186.04 ZAC 126.68 ETC 168.99 CLP 179.53

PLANETOCENTRIC CONIC

C3 30.642 VHL 5.536 OLA 27.77 RAL 39.98 RAD 6568.2 VEL 12.329 PTH 2.22 VHP 10.096 DPA 4.55 RAP 32.75 ECC 1.5043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 54 4 3482.65 -20.90 129.79 277.08 70.44 2 52 7 2882.7 -23.37 122.00
 90.00 0 16 37 3799.65 -12.51 149.26 273.45 64.39 1 19 56 3199.6 -15.86 142.18
 100.00 4 0 58 3073.57 -25.22 101.22 278.61 73.39 4 52 12 2475.6 -27.25 95.01
 100.00 0 52 24 3683.96 -8.47 138.66 271.33 61.23 1 53 48 3084.0 -12.25 131.91
 110.00 6 11 8 2666.19 -32.29 72.34 280.66 78.11 6 55 34 2066.2 -33.59 63.35
 110.00 0 58 43 3664.10 -2.24 133.34 267.51 55.88 1 59 47 3064.1 -6.71 127.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0328 TRA 2.8199 TC3-3.2484 BAU 1.3307 SGT 5314.4 SGR 433.7 SCS 101.1 ST 2327.7 SR 433.5 SS 450.9
 ROE .4188 RRA .0035 RC3 .0111 FAU .01258 RRT .3825 RRF .3542 RTF .9095 CRT .9051 CRS -.8069 CST -.9808
 FDE .4021 FRA .8728 FC3 -.3553 BSP 17255 SGB 5332.0 R23 .0046 R13 .9096 LSA 2401.7 MSA 203.0 S5A 16.7
 BOE 2.0755 BRA 2.8199 BC3 3.2484 FSP -335 SGI 5317.0 SG2 400.5 THA 1.80 EL1 2360.7 EL2 181.7 ALF 9.63

LAUNCH DATE JAN 5 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 561.337

RL 147.10 LAL -.00 LOL 104.21 VL 25.826 GAL 7.33 AZL 87.62 MCA 291.31 SMA 116.68 ECC .28835 INC 2.3842 VI 30.287
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.250 GAP 16.26 AZP 89.13 TAL 161.07 TAP 92.38 RCA 83.03 APO 150.32 V2 35.000
 RC 207.465 GL 10.54 GP -5.68 ZAL 55.74 ZAP 174.20 ETS 260.74 ZAE 133.51 ETE 185.99 ZAC 129.06 ETC 168.81 CLP 178.82

PLANETOCENTRIC CONIC

C3 33.920 VHL 5.824 OLA 27.62 RAL 43.45 RAD 6568.3 VEL 12.462 PTH 2.25 VHP 10.437 DPA 5.56 RAP 35.01 ECC 1.5582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 9 3487.82 -20.78 130.12 282.47 70.32 3 12 17 2887.8 -23.27 122.34
 90.00 0 24 14 3845.65 -11.14 151.95 278.23 63.80 1 28 20 3245.6 -14.58 144.95
 100.00 4 18 2 3088.42 -24.92 102.23 283.96 72.94 5 9 31 2488.4 -27.02 94.06
 100.00 1 3 2 3720.27 -7.27 140.70 276.18 60.93 2 5 2 3120.3 -11.10 133.99
 110.00 6 26 44 2685.67 -32.00 73.79 286.10 77.29 7 11 30 2085.7 -33.42 64.85
 110.00 1 10 49 3695.80 -1.03 135.00 272.33 55.83 2 12 25 3095.8 -5.51 128.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0224 TRA 3.2139 TC3-2.9154 BAU 1.3221 SGT 5312.7 SGR 430.4 SCS 99.2 ST 2261.6 SR 429.8 SS 441.6
 ROE .4369 RRA .0201 RC3 .0042 FAU .01157 RRT .4015 RRF .3737 RTF .9165 CRT .8870 CRS -.7864 CST -.9822
 FDE .3866 FRA .9254 FC3 -.2953 BSP 17332 SGB 5330.1 R23 .0041 R13 .9165 LSA 2334.2 MSA 213.8 S5A 15.6
 BOE 2.0690 BRA 3.2139 BC3 2.9154 FSP -331 SGI 5315.5 SG2 394.0 THA 1.87 EL1 2293.7 EL2 195.7 ALF 9.64

LAUNCH DATE JAN 5 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

RL 147.10 LAL -0.00 LOL 104.21 VL 25.779 GAL 8.31 AZL 87.72 MCA 294.51 SMA 116.43 ECC .29803 INC 2.2798 V1 30.287
 RP 108.23 LAP -2.07 LOP 38.74 VP 36.229 GAP 16.88 A7P 89.05 TAL 159.30 TAP 93.82 RCA 81.73 APO 151.13 V2 35.014
 RC 209.146 GL 9.50 GP -5.59 ZAL 52.90 ZAP 174.09 ETS 253.65 ZAE 133.60 ETE 185.94 ZAC 131.42 ETC 168.58 CLP 178.08

PLANETOCENTRIC CONIC

C3 37.819 VHL 6.150 DLA 27.40 RAL 46.74 RAD 6568.5 VEL 12.617 PTH 2.29 VHP 10.813 DPA 6.55 RAP 37.27 ECC 1.6224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 29 3488.23 -20.77 130.15 287.85 70.31 3 33 37 2888.2 -23.26 122.37
 90.00 0 29 7 3900.20 -9.48 155.10 282.84 63.19 1 34 7 3300.2 -13.01 148.19
 100.00 4 35 48 3100.34 -24.68 103.03 289.27 72.58 5 27 29 2500.3 -26.83 94.89
 100.00 1 11 28 3763.32 -5.84 143.09 280.87 60.63 2 14 12 3163.3 -9.71 136.44
 110.00 6 42 26 2704.05 -31.72 75.15 291.47 76.53 7 27 30 2104.0 -33.24 66.25
 110.00 1 21 20 3732.38 .37 136.90 277.03 55.82 2 23 32 3132.4 -4.12 130.69

DIFFERENTIAL CORRECTIONS

TDE 2.0053 TRA 3.6325 TC3-2.5885 BAU 1.3088
 RDE .4551 RRA .0385 RC3 -.0009 FAU .01057
 FDE .3720 FRA .9819 FC3 -.2420 BSP 17385
 BDE 2.0563 BRA 3.6327 BC3 2.5885 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 5306.4 SGR 425.9 SG3 97.4
 RRT .4201 RRF .3934 RTF .9234
 SGB 5323.5 R23 .0037 R13 .9234
 SG1 5309.5 SG2 386.3 TMA 1.94

ORBIT DETERMINATION ACCURACY

ST 2192.6 SR 424.2 SS 433.9
 CRT .8666 CRS -.7648 CST -.9837
 LSA 2263.9 MSA 224.1 SSA 14.7
 EL1 2223.5 EL2 208.7 ALF 9.60

LAUNCH DATE JAN 5 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

RL 147.10 LAL -0.00 LOL 104.21 VL 25.733 GAL 9.36 AZL 87.83 MCA 297.71 SMA 116.19 ECC .30879 INC 2.1699 V1 30.287
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.209 GAP 17.56 A7P 88.99 TAL 157.58 TAP 95.30 RCA 80.31 APO 152.06 V2 35.027
 RC 210.800 GL 8.48 GP -5.51 ZAL 50.23 ZAP 173.88 ETS 246.77 ZAE 133.67 ETE 185.89 ZAC 133.76 ETC 168.28 CLP 177.32

PLANETOCENTRIC CONIC

C3 42.455 VHL 6.516 DLA 27.11 RAL 49.82 RAD 6568.6 VEL 12.799 PTH 2.33 VHP 11.227 DPA 7.49 RAP 39.53 ECC 1.6987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 1 3486.95 -20.80 130.07 293.16 70.34 3 55 8 2887.0 -23.29 122.28
 90.00 0 32 12 3959.88 -7.63 158.51 287.27 62.65 1 38 12 3359.9 -11.24 151.68
 100.00 4 55 49 3110.42 -24.48 103.71 294.50 72.28 5 45 39 2510.4 -26.67 95.60
 100.00 1 18 6 3811.64 -4.22 145.76 285.41 60.38 2 21 37 3211.6 -8.13 139.16
 110.00 6 58 2 2721.71 -31.43 76.44 296.75 75.82 7 43 24 2121.7 -33.06 67.60
 110.00 1 30 22 3773.12 1.92 139.03 281.59 55.86 2 33 15 3173.1 -2.57 132.82

DIFFERENTIAL CORRECTIONS

TDE 1.9826 TRA 4.0777 TC3-2.2740 BAU 1.2907
 RDE .4733 RRA .0585 RC3 -.0045 FAU .00959
 FDE .3581 FRA 1.0424 FC3 -.1956 BSP 17420
 BDE 2.0383 BRA 4.0781 BC3 2.2740 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 5296.1 SGR 420.2 SG3 95.6
 RRT .4384 RRF .4129 RTF .9304
 SGB 5312.7 R23 .0033 R13 .9304
 SG1 5299.3 SG2 377.5 TMA 2.00

ORBIT DETERMINATION ACCURACY

ST 2123.2 SR 416.6 SS 428.0
 CRT .8441 CRS -.7422 CST -.9853
 LSA 2193.1 MSA 233.5 SSA 13.8
 EL1 2152.4 EL2 220.3 ALF 9.50

LAUNCH DATE JAN 5 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

RL 147.10 LAL -0.00 LOL 104.21 VL 25.688 GAL 10.49 AZL 87.95 MCA 300.92 SMA 115.95 ECC .32076 INC 2.0533 V1 30.287
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.190 GAP 18.32 A7P 88.94 TAL 155.92 TAP 96.83 RCA 78.76 APO 153.14 V2 35.040
 RC 212.427 GL 7.51 GP -5.43 ZAL 47.72 ZAP 173.56 ETS 240.27 ZAE 133.70 ETE 185.83 ZAC 136.07 ETC 167.92 CLP 176.54

PLANETOCENTRIC CONIC

C3 47.973 VHL 6.926 DLA 26.77 RAL 52.71 RAD 6568.8 VEL 13.013 PTH 2.37 VHP 11.686 DPA 8.41 RAP 41.79 ECC 1.7895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 7 3485.73 -20.82 129.99 298.36 70.37 4 16 13 2885.7 -23.31 122.20
 90.00 0 34 7 4022.50 -5.66 162.05 291.55 62.21 1 41 9 3422.5 -9.34 155.30
 100.00 5 11 43 3119.56 -24.28 104.32 299.64 72.01 6 3 42 2519.6 -26.52 96.23
 100.00 1 23 13 3863.91 -2.46 148.64 289.79 60.20 2 27 36 3263.9 -6.41 142.08
 110.00 7 13 21 2738.94 -31.14 77.70 301.92 75.13 7 59 0 2138.9 -32.86 68.90
 110.00 1 38 3 3817.29 3.61 141.34 286.01 55.98 2 41 41 3217.3 -.88 135.13

DIFFERENTIAL CORRECTIONS

TDE 1.9602 TRA 4.5570 TC3-1.9713 BAU 1.2643
 RDE .4916 RRA .0803 RC3 -.0065 FAU .00856
 FDE .3461 FRA 1.1088 FC3 -.1545 BSP 17343
 BDE 2.0209 BRA 4.5577 BC3 1.9713 FSP -314

MID-COURSE EXECUTION ACCURACY

SGT 5283.3 SGR 413.5 SG3 94.0
 RRT .4569 RRF .4331 RTF .9373
 SGB 5299.5 R23 .0031 R13 .9373
 SG1 5286.7 SG2 367.6 TMA 2.06

ORBIT DETERMINATION ACCURACY

ST 2059.3 SR 407.3 SS 424.8
 CRT .8200 CRS -.7197 CST -.9871
 LSA 2128.0 MSA 241.3 SSA 13.0
 EL1 2086.5 EL2 230.1 ALF 9.33

LAUNCH DATE JAN 5 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

RL 147.10 LAL -0.00 LOL 104.21 VL 25.645 GAL 11.71 AZL 88.07 MCA 304.13 SMA 115.72 ECC .33410 INC 1.9284 V1 30.287
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.172 GAP 19.16 A7P 88.92 TAL 154.32 TAP 98.44 RCA 77.06 APO 154.39 V2 35.053
 RC 214.027 GL 6.57 GP -5.37 ZAL 45.39 ZAP 173.14 ETS 234.28 ZAE 133.71 ETE 185.78 ZAC 138.36 ETC 167.47 CLP 175.73

PLANETOCENTRIC CONIC

C3 54.555 VHL 7.386 DLA 26.39 RAL 55.39 RAD 6569.0 VEL 13.263 PTH 2.42 VHP 12.197 DPA 9.28 RAP 44.04 ECC 1.8978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 26 3485.46 -20.83 129.97 303.44 70.37 4 36 32 2885.5 -23.32 122.18
 90.00 0 35 9 4086.71 -3.61 165.66 295.68 61.90 1 43 16 3486.7 -7.34 158.96
 100.00 5 29 11 3128.42 -24.10 104.91 304.65 71.75 6 21 20 2528.4 -26.36 96.85
 100.00 1 27 5 3918.98 -.59 151.66 294.01 60.11 2 32 24 3319.0 -4.56 145.13
 110.00 7 28 13 2755.98 -30.83 78.94 306.95 74.45 8 14 9 2156.0 -32.66 70.19
 110.00 1 44 33 3864.18 5.39 143.80 290.29 56.19 2 48 57 3264.2 .91 137.58

DIFFERENTIAL CORRECTIONS

TDE 1.9297 TRA 5.0643 TC3-1.6916 BAU 1.2338
 RDE .5095 RRA .1034 RC3 -.0076 FAU .00759
 FDE .3339 FRA 1.1794 FC3 -.1204 BSP 17375
 BDE 1.9958 BRA 5.0654 BC3 1.6917 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 5264.7 SGR 405.4 SG3 92.3
 RRT .4743 RRF .4520 RTF .9441
 SGB 5260.3 R23 .0025 R13 .9441
 SG1 5268.2 SG2 356.6 TMA 2.10

ORBIT DETERMINATION ACCURACY

ST 1994.3 SR 396.1 SS 422.8
 CRT .7936 CRS -.6958 CST -.9888
 LSA 2061.9 MSA 247.6 SSA 12.3
 EL1 2019.3 EL2 238.0 ALF 9.09

LAUNCH DATE JAN 5 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 584.017

RL 147.10 LAL -.00 LOL 104.21 VL 25.602 GAL 13.03 AZL 88.21 MCA 307.34 SMA 115.51 ECC .34904 INC 1.7936 VI 30.287
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.154 GAP 20.11 AZP 88.91 TAL 152.79 TAP 100.13 RCA 75.19 APO 155.82 V2 35.067
 RC 215.599 GL 5.67 GP -5.30 ZAL 43.24 ZAP 172.63 ETS 228.84 ZAE 133.67 ETE 185.72 ZAC 140.60 ETC 166.95 CLP 174.88

PLANETOCENTRIC CONIC

C3 62.432 VHL 7.901 DLA 25.96 RAL 57.85 RAD 6569.2 VEL 13.557 PTH 2.48 VHP 12.768 DPA 10.12 RAP 46.26 ECC 2.0275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 45 3486.50 -20.81 130.04 308.35 70.35 4 55 52 2886.5 -23.30 122.25
 90.00 0 35 31 4151.60 -1.52 169.28 299.67 61.72 1 44 42 3551.6 -5.29 162.63
 100.00 5 46 3 3137.40 -23.90 105.51 309.51 71.50 6 38 20 2537.4 -26.21 97.47
 100.00 1 29 55 3975.95 1.34 154.79 298.08 60.13 2 36 10 3375.9 -2.64 148.27
 110.00 7 42 31 2772.97 -30.52 80.16 311.83 73.79 8 28 44 2173.0 -32.43 71.46
 110.00 1 49 55 3913.14 7.24 146.39 294.43 56.50 2 55 9 3313.1 2.78 140.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8983 TRA 5.6097 TC3 -1.4311 BAU 1.1945 SGT 5242.1 SGR 396.0 SG3 90.7 ST 1934.3 SR 383.4 SS 423.3
 RDE .5271 RRA .1279 RC3 -.0076 FAU .00658 RRT .4913 RRF .4707 RTF .9507 CRT .7660 CRS -.6721 CST -.9905
 FDE .3229 FRA 1.2565 FC3 -.0912 BSP 17387 SGB 5257.0 R23 .0019 R13 .9508 LSA 2001.1 MSA 251.8 SSA 11.6
 BOE 1.9701 BRA 5.6111 BC3 1.4312 FSP -305 SG1 5245.7 SG2 344.7 THA 2.13 EL1 1956.9 EL2 243.7 ALF 8.77

LAUNCH DATE JAN 5 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 587.825

RL 147.10 LAL -.00 LOL 104.21 VL 25.561 GAL 14.48 AZL 88.35 MCA 310.55 SMA 115.30 ECC .36579 INC 1.6466 VI 30.287
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.138 GAP 21.16 AZP 88.93 TAL 151.37 TAP 101.92 RCA 73.12 APO 157.47 V2 35.080
 RC 217.144 GL 4.81 GP -5.25 ZAL 41.27 ZAP 172.02 ETS 223.95 ZAE 133.59 ETE 185.66 ZAC 142.80 ETC 166.34 CLP 173.98

PLANETOCENTRIC CONIC

C3 71.902 VHL 8.479 DLA 25.51 RAL 60.11 RAD 6569.4 VEL 13.902 PTH 2.54 VHP 13.408 DPA 10.92 RAP 48.47 ECC 2.1833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 15 58 3488.92 -20.75 130.20 313.08 70.29 5 14 7 2888.9 -23.25 122.42
 90.00 0 35 18 4216.57 .57 172.90 303.51 61.69 1 45 34 3616.6 -3.22 166.27
 100.00 6 2 7 3146.69 -23.70 106.13 314.19 71.23 6 54 34 2546.7 -26.04 98.11
 100.00 1 31 50 4034.03 3.31 157.98 302.00 60.27 2 39 4 3434.0 -1.68 151.45
 110.00 7 56 9 2769.93 -30.19 81.37 316.53 73.15 8 42 39 2189.9 -32.20 72.73
 110.00 1 54 17 3963.56 9.12 149.07 298.43 56.91 3 0 21 3363.6 4.70 142.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8667 TRA 6.1979 TC3 -1.1910 BAU 1.1449 SGT 5215.7 SGR 385.5 SG3 89.2 ST 1879.5 SR 369.4 SS 426.5
 RDE .5443 RRA .1536 RC3 -.0069 FAU .00552 RRT .5078 RRF .4891 RTF .9572 CRT .7374 CRS -.6489 CST -.9921
 FDE .3133 FRA 1.2411 FC3 -.0664 BSP 17380 SGB 5230.0 R23 .0012 R13 .9572 LSA 1945.9 MSA 253.8 SSA 10.9
 BOE 1.9444 BRA 6.1998 BC3 1.1910 FSP -301 SG1 5219.4 SG2 331.9 THA 2.16 EL1 1899.5 EL2 246.9 ALF 8.39

LAUNCH DATE JAN 5 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 591.248

RL 147.10 LAL -.00 LOL 104.21 VL 25.522 GAL 16.06 AZL 88.52 MCA 313.76 SMA 115.09 ECC .38466 INC 1.4847 VI 30.287
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.123 GAP 22.36 AZP 88.97 TAL 150.06 TAP 103.82 RCA 70.82 APO 159.37 V2 35.092
 RC 218.662 GL 3.99 GP -5.19 ZAL 39.48 ZAP 171.31 ETS 219.57 ZAE 133.45 ETE 185.59 ZAC 144.94 ETC 165.62 CLP 173.02

PLANETOCENTRIC CONIC

C3 83.350 VHL 9.130 DLA 25.04 RAL 62.15 RAD 6569.6 VEL 14.307 PTH 2.60 VHP 14.131 DPA 11.67 RAP 50.63 ECC 2.3717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 0 3492.57 -20.67 130.43 317.61 70.20 5 31 13 2892.6 -23.18 122.66
 90.00 0 34 32 4281.12 2.65 176.51 307.19 61.80 1 45 53 3681.1 -1.14 169.88
 100.00 6 17 18 3156.32 -23.49 106.76 318.68 70.96 7 9 54 2556.3 -25.87 98.77
 100.00 1 32 55 4092.60 5.28 161.21 305.75 60.53 2 41 8 3492.6 1.31 154.67
 110.00 8 9 1 2806.81 -29.85 82.57 321.03 72.51 8 55 48 2206.8 -31.95 73.98
 110.00 1 57 42 4014.88 11.02 151.84 302.26 57.43 3 4 37 3414.9 6.64 145.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8416 TRA 6.8393 TC3 -.9693 BAU 1.0801 SGT 5187.6 SGR 373.9 SG3 87.8 ST 1832.6 SR 354.2 SS 433.3
 RDE .5613 RRA .1804 RC3 -.0054 FAU .00432 RRT .5242 RRF .5075 RTF .9634 CRT .7092 CRS -.6276 CST -.9937
 FDE .3063 FRA 1.4356 FC3 -.0449 BSP 17247 SGB 5201.1 R23 .0007 R13 .9634 LSA 1899.3 MSA 253.2 SSA 10.3
 BOE 1.9252 BRA 6.8417 BC3 .9693 FSP -294 SG1 5191.3 SG2 318.2 THA 2.17 EL1 1850.1 EL2 247.4 ALF 7.95

LAUNCH DATE JAN 5 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 594.184

RL 147.10 LAL -.00 LOL 104.21 VL 25.484 GAL 17.82 AZL 88.70 MCA 316.98 SMA 114.90 ECC .40598 INC 1.3043 VI 30.287
 RP 107.95 LAP -.89 LOP 61.19 VP 36.108 GAP 23.71 AZP 89.05 TAL 148.89 TAP 105.87 RCA 68.26 APO 161.55 V2 35.105
 RC 220.152 GL 3.21 GP -5.14 ZAL 37.89 ZAP 170.50 ETS 215.66 ZAE 133.24 ETE 185.52 ZAC 147.00 ETC 164.81 CLP 172.00

PLANETOCENTRIC CONIC

C3 97.282 VHL 9.863 DLA 24.55 RAL 63.97 RAD 6569.9 VEL 14.786 PTH 2.67 VHP 14.950 DPA 12.38 RAP 52.75 ECC 2.6010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 51 3497.19 -20.56 130.73 321.89 70.09 5 47 8 2897.2 -23.09 122.97
 90.00 0 33 13 4344.87 4.70 180.08 310.70 62.04 1 45 38 3744.9 .92 173.43
 100.00 6 31 31 3166.17 -23.27 107.41 322.93 70.69 7 24 17 2566.2 -25.69 99.45
 100.00 1 33 14 4151.12 7.22 164.46 309.32 60.92 2 42 25 3551.1 3.29 157.88
 110.00 8 21 3 2823.47 -29.50 83.74 325.29 71.90 9 8 7 2223.5 -31.69 75.21
 110.00 2 0 11 4066.58 12.90 154.67 305.93 58.07 3 7 57 3466.6 8.58 148.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8142 TRA 7.5307 TC3 -.7708 BAU 1.0025 SGT 5152.9 SGR 360.9 SG3 86.4 ST 1787.3 SR 337.9 SS 442.3
 RDE .5776 RRA .2077 RC3 -.0037 FAU .00305 RRT .5392 RRF .5244 RTF .9691 CRT .6806 CRS -.6064 CST -.9950
 FDE .2998 FRA 1.5390 FC3 -.0271 BSP 17243 SGB 5165.5 R23 .0001 R13 .9691 LSA 1855.1 MSA 250.4 SSA 9.7
 BOE 1.9040 BRA 7.5335 BC3 .7708 FSP -290 SG1 5156.5 SG2 303.7 THA 2.17 EL1 1802.3 EL2 245.5 ALF 7.47

LAUNCH DATE JAN 5 1966

FLIGHT TIME 208.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 596.505

RL 147.10 LAL -0.00 LOL 104.21 VL 25.449 GAL 19.78 AZL 88.90 MCA 320.20 SMA 114.72 ECC .43016 INC 1.1005 V1 30.287
 RP 107.91 LAP -.70 LOP 64.41 VP 36.095 GAP 25.26 AZP 89.15 TAL 147.90 TAP 108.09 RCA 65.37 APO 164.07 V2 35.117
 RC 221.615 GL 2.47 GP -5.09 ZAL 36.50 ZAP 169.58 ETS 212.15 ZAE 132.94 ETE 185.43 ZAC 148.98 ETC 163.88 CLP 170.89

PLANETOCENTRIC CONIC

C3 114.369 VHL 10.694 DLA 24.04 RAL 65.56 RAD 6570.2 VEL 15.353 PTH 2.75 VHP 15.886 DPA 13.03 RAP 54.80 ECC 2.8822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 27 3502.43 -20.44 131.06 325.91 69.96 6 1 50 2902.4 -22.99 123.32
 90.00 0 31 19 4407.48 6.68 183.61 314.01 62.42 1 44 46 3807.5 2.94 176.93
 100.00 6 44 41 3176.02 -23.05 108.06 326.92 70.42 7 37 37 2576.0 -25.50 100.12
 100.00 1 32 45 4209.11 9.13 167.71 312.70 61.41 2 42 55 3609.1 5.24 161.08
 110.00 8 32 11 2839.70 -29.15 84.88 329.28 71.31 9 19 31 2239.7 -31.42 76.41
 110.00 2 1 45 4118.20 14.74 157.53 309.40 58.80 3 10 23 3518.2 10.50 151.00

DIFFERENTIAL CORRECTIONS

TOE 1.7936 TRA 8.2865 TC3 -.5916 BAU .9046
 ROE .5936 RRA .2351 RC3 -.0018 FAU .00158
 FDE .2954 FRA 1.6548 FC3 -.0119 BSP 17210
 BDE 1.8893 BRA 8.2898 BC3 .5916 FSP -286

MID-COURSE EXECUTION ACCURACY

SGT 5114.4 SGR 346.7 SG3 85.0
 RRT .5532 RRF .5404 RTF .9745
 SGB 5126.1 R23 -.0005 R13 .9745
 SG1 5118.0 SG2 288.6 THA 2.15

ORBIT DETERMINATION ACCURACY

ST 1746.9 SR 320.7 SS 454.9
 CRT .6532 CRS -.5868 CST -.9962
 LSA 1817.0 MSA 245.1 SSA 9.1
 EL1 1759.7 EL2 241.1 ALF 6.97

LAUNCH DATE JAN 5 1966

FLIGHT TIME 210.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

DISTANCE 598.034

RL 147.10 LAL -0.00 LOL 104.21 VL 25.416 GAL 21.98 AZL 89.13 MCA 323.41 SMA 114.56 ECC .45769 INC .8671 V1 30.287
 RP 107.87 LAP -.52 LOP 67.62 VP 36.084 GAP 27.05 AZP 89.30 TAL 147.11 TAP 110.53 RCA 62.13 APO 166.99 V2 35.130
 RC 223.050 GL 1.76 GP -5.04 ZAL 35.33 ZAP 168.53 ETS 209.00 ZAE 132.54 ETE 185.33 ZAC 150.85 ETC 162.85 CLP 169.68

PLANETOCENTRIC CONIC

C3 135.510 VHL 11.641 DLA 23.53 RAL 66.91 RAD 6570.3 VEL 16.026 PTH 2.83 VHP 16.960 DPA 13.64 RAP 56.76 ECC 3.2301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 48 3507.87 -20.31 131.41 329.63 69.84 6 15 16 2907.9 -22.88 123.68
 90.00 0 28 45 4468.63 8.60 187.08 317.10 62.92 1 43 14 3868.6 4.90 180.36
 100.00 6 56 46 3185.57 -22.83 108.68 330.61 70.16 7 49 51 2585.6 -25.32 100.77
 100.00 1 31 28 4266.17 10.97 170.95 315.85 62.02 2 42 35 3666.2 7.14 164.25
 110.00 8 42 21 2855.22 -28.81 85.95 332.97 70.75 9 29 56 2255.2 -31.16 77.54
 110.00 2 2 22 4169.27 16.52 160.42 312.66 59.64 3 11 52 3569.3 12.36 153.78

DIFFERENTIAL CORRECTIONS

TOE 1.7821 TRA 9.1158 TC3 -.4312 BAU .7811
 ROE .6092 RRA .2621 RC3 .0003 FAU-.00018
 FDE .2935 FRA 1.7850 FC3 .0011 BSP 17150
 BDE 1.8834 BRA 9.1195 BC3 .4312 FSP -282

MID-COURSE EXECUTION ACCURACY

SGT 5071.8 SGR 331.2 SG3 83.7
 RRT .5660 RRF .5550 RTF .9793
 SGB 5082.6 R23 -.0011 R13 .9793
 SG1 5075.3 SG2 272.9 THA 2.12

ORBIT DETERMINATION ACCURACY

ST 1710.4 SR 302.8 SS 471.4
 CRT .6275 CRS -.5692 CST -.9972
 LSA 1784.0 MSA 237.7 SSA 8.5
 EL1 1721.1 EL2 234.3 ALF 6.46

LAUNCH DATE JAN 5 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC

DISTANCE 598.540

RL 147.10 LAL -0.00 LOL 104.21 VL 25.386 GAL 24.47 AZL 89.40 MCA 326.64 SMA 114.41 ECC .48913 INC .5950 V1 30.287
 RP 107.84 LAP -.33 LOP 70.84 VP 36.074 GAP 29.11 AZP 89.50 TAL 146.59 TAP 113.23 RCA 58.45 APO 170.37 V2 35.141
 RC 224.456 GL 1.08 GP -4.99 ZAL 34.39 ZAP 167.33 ETS 206.13 ZAE 132.01 ETE 185.21 ZAC 152.58 ETC 161.71 CLP 168.34

PLANETOCENTRIC CONIC

C3 161.922 VHL 12.725 DLA 23.00 RAL 68.01 RAD 6570.8 VEL 16.830 PTH 2.91 VHP 18.201 DPA 14.19 RAP 58.61 ECC 3.6648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 51 3513.06 -20.19 131.74 333.00 69.71 6 27 24 2913.1 -22.77 124.02
 90.00 0 25 26 4528.06 10.42 190.50 319.93 63.52 1 40 54 3928.1 6.78 183.71
 100.00 7 7 40 3194.44 -22.62 109.26 333.96 69.92 8 0 54 2594.4 -25.15 101.38
 100.00 1 29 18 4321.91 12.73 174.15 318.74 62.72 2 41 20 3721.9 8.98 167.37
 110.00 8 51 28 2869.70 -28.48 86.95 336.31 70.25 9 39 17 2269.7 -30.90 78.59
 110.00 2 1 59 4219.41 18.22 163.31 315.67 60.56 3 12 19 3619.4 14.16 156.55

DIFFERENTIAL CORRECTIONS

TOE 1.7880 TRA10.0329 TC3 -.2876 BAU .6227
 ROE .6247 RRA .2879 RC3 .0023 FAU-.00238
 FDE .2956 FRA 1.9332 FC3 .0127 BSP 16962
 BDE 1.8940 BRA10.0370 BC3 .2876 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 5026.7 SGR 314.6 SG3 82.6
 RRT .5774 RRF .5681 RTF .9836
 SGB 5036.5 R23 -.0016 R13 .9836
 SG1 5030.0 SG2 256.7 THA 2.08

ORBIT DETERMINATION ACCURACY

ST 1678.1 SR 284.4 SS 492.8
 CRT .6047 CRS -.5545 CST -.9980
 LSA 1757.2 MSA 228.1 SSA 7.9
 EL1 1687.1 EL2 225.3 ALF 5.96

LAUNCH DATE JAN 5 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 7 1966

HELIOCENTRIC CONIC

DISTANCE 597.706

RL 147.10 LAL -0.00 LOL 104.21 VL 25.359 GAL 27.32 AZL 89.73 MCA 329.86 SMA 114.27 ECC .52513 INC .2722 V1 30.287
 RP 107.80 LAP -.14 LOP 74.07 VP 36.067 GAP 31.53 AZP 89.76 TAL 146.39 TAP 116.25 RCA 54.27 APO 174.28 V2 35.153
 RC 225.834 GL .44 GP -4.94 ZAL 33.72 ZAP 165.96 ETS 203.52 ZAE 131.32 ETE 185.07 ZAC 154.16 ETC 160.50 CLP 166.84

PLANETOCENTRIC CONIC

C3 195.269 VHL 13.974 DLA 22.46 RAL 68.81 RAD 6571.1 VEL 17.793 PTH 2.99 VHP 19.646 DPA 14.69 RAP 60.31 ECC 4.2136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 31 3517.47 -20.09 132.03 335.98 69.61 6 38 9 2917.5 -22.68 124.31
 90.00 0 21 12 4585.51 12.14 193.84 322.45 64.22 1 37 37 3985.5 8.58 186.97
 100.00 7 17 18 3202.19 -22.44 109.77 336.91 69.71 8 10 40 2602.2 -25.00 101.90
 100.00 1 26 6 4376.03 14.40 177.31 321.32 63.52 2 39 2 3776.0 10.73 170.44
 110.00 8 59 24 2882.75 -28.18 87.84 339.25 69.80 9 47 27 2282.8 -30.66 79.53
 110.00 2 0 29 4268.23 19.83 166.19 318.37 61.57 3 11 37 3668.2 15.87 159.29

DIFFERENTIAL CORRECTIONS

TOE 1.8054 TRA11.0374 TC3 -.1829 BAU .4254
 ROE .6399 RRA .3107 RC3 .0041 FAU-.00507
 FDE .3003 FRA 2.1000 FC3 .0225 BSP 16903
 BDE 1.9154 BRA11.0417 BC3 .1829 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 4973.5 SGR 296.6 SG3 81.4
 RRT .5857 RRF .5779 RTF .9873
 SGB 4982.3 R23 -.0021 R13 .9873
 SG1 4976.5 SG2 240.2 THA 2.01

ORBIT DETERMINATION ACCURACY

ST 1645.1 SR 265.6 SS 518.5
 CRT .5835 CRS -.5407 CST -.9986
 LSA 1731.6 MSA 217.1 SSA 7.3
 EL1 1652.5 EL2 214.7 ALF 5.47

LAUNCH DATE JAN 5 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 9 1966

HELIOCENTRIC CONIC

DISTANCE 595.110

RL 147.10 LAL -.00 LOL 104.21 VL 25.337 GAL 30.60 AZL 90.12 MCA 333.08 SMA 114.16 ECC .56638 INC .1193 V1 30.287
 RP 107.77 LAP .05 LOP 77.29 VP 36.062 GAP 34.37 AZP 90.11 TAL 146.60 TAP 119.68 RCA 49.50 APO 178.83 V2 35.164
 RC 227.182 GL -.17 GP -4.89 ZAL 33.35 ZAP 164.37 ETS 201.11 ZAE 130.43 ETE 184.91 ZAC 155.53 ETC 159.26 CLP 165.14

PLANETOCENTRIC CONIC

C3 237.842 VHL 15.422 DLA 21.91 RAL 69.30 RAD 6571.4 VEL 18.951 PTH 3.07 VHP 21.337 DPA 15.12 RAP 61.83 ECC 4.9143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 44 3520.57 -20.01 132.22 338.50 69.54 6 47 24 2920.6 -22.62 124.92
 90.00 0 15 51 4640.81 13.76 197.09 324.60 65.00 1 33 12 4040.8 10.28 190.15
 100.00 7 25 33 3208.36 -22.29 110.17 339.41 69.55 8 19 2 2608.4 -24.87 102.32
 100.00 1 21 43 4428.26 15.96 180.40 323.53 64.38 2 35 31 3828.3 12.38 173.43
 110.00 9 6 3 2893.94 -27.91 88.61 341.73 69.42 9 54 17 2293.9 -30.45 80.53
 110.00 1 57 42 4315.44 21.33 169.02 320.70 62.63 3 9 37 3715.4 17.49 161.99

DIFFERENTIAL CORRECTIONS

TDE 1.8477 TRA12.1453 TC3 -.0541 BAU .1731
 RDE .6352 RRA .3288 RC3 .0056 FAU-.00856
 FDE .3102 FRA 2.2903 FC3 .0312 BSP 16797
 BDE 1.9605 BRA12.1497 BC3 .0544 FSP -270

MID-COURSE EXECUTION ACCURACY

SGT 4914.4 SGR 277.3 SG3 80.3
 RRT .5905 RRF .5840 RTF .9904
 SGB 4922.3 R23 -.0026 R13 .9904
 SGI 4917.2 SG2 223.7 TMA 1.91

ORBIT DETERMINATION ACCURACY

ST 1612.5 SR 246.6 SS 549.9
 CRT .5652 CRS -.5291 CST -.9990
 LSA 1709.2 MSA 204.6 SSA 6.7
 EL1 1618.6 EL2 202.7 ALF 5.02

LAUNCH DATE JAN 5 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 11 1966

HELIOCENTRIC CONIC

DISTANCE 590.191

RL 147.10 LAL -.00 LOL 104.21 VL 25.321 GAL 34.42 AZL 90.61 MCA 336.31 SMA 114.08 ECC .61357 INC .6109 V1 30.287
 RP 107.74 LAP .25 LOP 80.52 VP 36.060 GAP 37.73 AZP 90.56 TAL 147.32 TAP 123.62 RCA 44.08 APO 184.08 V2 35.174
 RC 228.500 GL -.75 GP -4.82 ZAL 33.34 ZAP 162.53 ETS 198.89 ZAE 129.29 ETE 184.72 ZAC 156.67 ETC 158.05 CLP 163.19

PLANETOCENTRIC CONIC

C3 292.790 VHL 17.111 DLA 21.34 RAL 69.41 RAD 6571.7 VEL 20.349 PTH 3.16 VHP 23.328 DPA 15.49 RAP 63.09 ECC 5.8186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 56 21 3521.75 -19.98 132.30 340.49 69.51 6 55 3 2921.8 -22.59 124.60
 90.00 0 9 8 4693.83 15.26 200.26 326.31 65.85 1 27 22 4093.8 11.87 193.23
 100.00 7 32 18 3212.38 -22.20 110.43 341.37 69.45 8 25 50 2612.4 -24.79 102.59
 100.00 1 15 53 4478.43 17.41 183.41 325.29 65.31 2 30 31 3878.4 13.94 176.35
 110.00 9 11 15 2902.79 -27.70 89.21 343.67 69.12 9 59 38 2302.8 -30.28 80.96
 110.00 1 53 24 4360.79 22.72 171.81 322.60 63.75 3 6 5 3760.8 19.01 164.64

DIFFERENTIAL CORRECTIONS

TDE 1.9229 TRA13.3602 TC3 .0391 BAU .1554
 RDE .6709 RRA .3398 RC3 .0087 FAU-.01315
 FDE .3268 FRA 2.5076 FC3 .0389 BSP 16649
 BDE 2.0365 BRA13.3645 BC3 .0397 FSP -267

MID-COURSE EXECUTION ACCURACY

SGT 4847.8 SGR 256.7 SG3 79.3
 RRT .5898 RRF .5844 RTF .9930
 SGB 4854.5 R23 -.0030 R13 .9930
 SGI 4850.1 SG2 207.2 TMA 1.79

ORBIT DETERMINATION ACCURACY

ST 1578.2 SR 227.6 SS 588.1
 CRT .5496 CRS -.5193 CST -.9993
 LSA 1688.7 MSA 191.2 SSA 6.1
 EL1 1583.2 EL2 189.6 ALF 4.60

LAUNCH DATE JAN 5 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 13 1966

HELIOCENTRIC CONIC

DISTANCE 582.224

RL 147.10 LAL -.00 LOL 104.21 VL 25.311 GAL 38.89 AZL 91.25 MCA 339.53 SMA 114.04 ECC .66718 INC 1.2465 V1 30.287
 RP 107.71 LAP .44 LOP 83.74 VP 36.064 GAP 41.75 AZP 91.17 TAL 148.66 TAP 128.19 RCA 37.95 APO 190.12 V2 35.184
 RC 229.788 GL -1.29 GP -4.75 ZAL 33.73 ZAP 160.37 ETS 196.81 ZAE 127.83 ETE 184.49 ZAC 157.51 ETC 156.99 CLP 160.93

PLANETOCENTRIC CONIC

C3 364.415 VHL 19.090 DLA 20.75 RAL 69.09 RAD 6572.0 VEL 22.039 PTH 3.24 VHP 25.682 DPA 15.79 RAP 64.05 ECC 6.9973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 13 3520.36 -20.02 132.21 341.86 69.54 7 0 54 2920.4 -22.62 124.51
 90.00 0 0 41 4744.57 16.65 203.34 327.48 66.76 1 19 46 4144.6 13.36 196.21
 100.00 7 37 20 3213.68 -22.17 110.51 342.73 69.41 8 30 53 2613.7 -24.77 102.68
 100.00 1 8 16 4526.48 18.75 186.35 326.52 66.29 2 23 43 3926.5 15.39 179.18
 110.00 9 14 47 2908.77 -27.55 89.61 344.98 68.92 10 3 16 2308.8 -30.16 81.39
 110.00 1 47 18 4404.16 24.00 174.52 323.97 64.90 3 0 42 3804.2 20.42 167.21

DIFFERENTIAL CORRECTIONS

TDE 2.0445 TRA14.6790 TC3 .1180 BAU .5760
 RDE .6875 RRA .3389 RC3 .0073 FAU-.01929
 FDE .3530 FRA 2.7555 FC3 .0458 BSP 16360
 BDE 2.1570 BRA14.6829 BC3 .1182 FSP -263

MID-COURSE EXECUTION ACCURACY

SGT 4772.5 SGR 234.9 SG3 78.4
 RRT .5812 RRF .5766 RTF .9950
 SGB 4778.3 R23 -.0033 R13 .9950
 SGI 4774.5 SG2 191.1 TMA 1.64

ORBIT DETERMINATION ACCURACY

ST 1541.0 SR 208.9 SS 634.1
 CRT .5366 CRS -.5113 CST -.9995
 LSA 1670.0 MSA 177.2 SSA 5.6
 EL1 1545.1 EL2 175.8 ALF 4.22

LAUNCH DATE JAN 6 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 17 1966

HELIOCENTRIC CONIC

DISTANCE 218.571

RL 147.10 LAL -.00 LOL 105.23 VL 30.540 GAL -16.78 AZL 87.35 MCA 101.17 SMA 152.24 ECC .29046 INC 2.6504 V1 30.287
 RP 108.02 LAP 2.60 LOP 206.41 VP 39.818 GAP .18 AZP 90.51 TAL 259.61 TAP .78 RCA 108.02 APO 196.46 V2 35.082
 RC 78.316 GL 8.63 GP 13.80 ZAL 168.93 ZAP 88.73 ETS 357.09 ZAE 164.60 ETE 149.91 ZAC 31.29 ETC 172.63 CLP -88.69

PLANETOCENTRIC CONIC

C3 81.146 VHL 9.008 DLA -13.09 RAL 292.53 RAD 6569.6 VEL 14.230 PTH 2.59 VHP 4.861 DPA -9.19 RAP 298.01 ECC 2.3355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 49 2139.74 -17.88 36.80 174.38 112.48 2 9 29 1539.7 -14.48 29.58
 90.00 10 7 51 5621.77 28.10 263.77 184.76 93.69 11 41 32 5021.8 28.31 255.11
 100.00 2 48 21 1899.25 -19.21 18.44 173.71 113.35 3 20 0 1299.3 -15.89 11.22
 100.00 11 35 59 5337.49 29.75 242.97 184.87 93.09 13 4 57 4737.5 29.86 234.16
 110.00 3 41 17 1733.48 -23.22 3.89 171.74 115.82 4 10 10 1133.5 -19.56 356.67
 110.00 12 59 33 5076.03 34.16 223.32 185.08 91.44 14 24 9 4476.0 33.98 214.08

DIFFERENTIAL CORRECTIONS

TDE -.0683 TRA-1.0840 TC3 -.1722 BAU .2042
 RDE -.5750 RRA .2291 RC3 .0760 FAU .10394
 FDE .0589 FRA-1.3135 FC3-1.1090 BSP 1828
 BDE .5790 BRA 1.1080 BC3 .1883 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 774.1 SGR 418.2 SG3 187.9
 RRT -.4093 RRF -.4571 RTF .7280
 SGB 879.9 R23 .0770 R13 -.7446
 SGI 798.3 SG2 370.0 TMA 164.01

ORBIT DETERMINATION ACCURACY

ST 217.0 SR 368.5 SS 112.1
 CRT .0791 CRS .2593 CST -.9253
 LSA 370.0 MSA 241.2 SSA 18.0
 EL1 369.1 EL2 215.9 ALF 85.94

LAUNCH DATE JAN 6 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 19 1966

HELIOCENTRIC CONIC

DISTANCE 224.872

RL 147.10 LAL -0.00 LOL 105.23 VL 30.463 GAL -16.58 AZL 87.45 MCA 104.38 SMA 151.42 ECC .28662 INC 2.5538 V1 30.287
 RP 108.06 LAP 2.47 LOP 209.62 VP 39.747 GAP .73 AZP 90.63 TAL 258.90 TAP 3.28 RCA 108.02 APO 194.82 V2 35.069
 RC 80.581 GL 8.42 GP 14.10 ZAL 168.86 ZAP 93.27 ETS 358.16 ZAE 161.69 ETE 153.31 ZAC 29.84 ETC 173.24 CLP -93.37

PLANETOCENTRIC CONIC

C3 78.923 VHL 8.884 DLA -13.25 RAL 292.93 RAD 6569.5 VEL 14.152 PTH 2.58 VHP 4.811 DPA -9.10 RAP 296.54 ECC 2.2989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 36 44 2128.10 -17.38 36.08 174.35 112.71 2 12 12 1528.1 -14.15 28.89
 90.00 10 8 6 5620.70 28.10 263.69 184.74 93.65 11 41 46 5020.7 28.31 255.03
 100.00 2 51 10 1887.93 -18.90 17.74 173.66 113.60 3 22 38 1287.9 -15.55 10.55
 100.00 11 36 21 5336.09 29.75 242.86 184.85 93.03 13 5 17 4736.1 29.86 234.06
 110.00 3 43 53 1722.84 -22.90 3.23 171.68 116.10 4 12 36 1122.8 -19.21 356.04
 110.00 13 0 7 5073.95 34.16 223.16 185.05 91.35 14 24 41 4473.9 33.97 213.92

DIFFERENTIAL CORRECTIONS

TDE -.0671 TRA-1.1538 TC3 -.2121 BAU .2407
 RDE -.5607 RRA .2326 RC3 .0838 FAU .10533
 FDE .0482 FRA-1.3069 FC3-1.1554 BSP 2115
 BDE .5647 BRA 1.1770 BC3 .2281 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 853.4 SGR 420.4 SG3 192.5
 RRT -.4412 RRF -.4807 RTF .7543
 SGB 951.4 R23 .0803 R13 -.7679
 SG1 877.8 SG2 366.8 TMA 165.07

ORBIT DETERMINATION ACCURACY

ST 233.7 SR 364.6 SS 111.7
 CRT .0585 CRS .2401 CST -.9383
 LSA 365.9 MSA 256.6 SSA 18.2
 EL1 365.1 EL2 233.0 ALF 86.37

LAUNCH DATE JAN 6 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 21 1966

HELIOCENTRIC CONIC

DISTANCE 231.125

RL 147.10 LAL -0.00 LOL 105.23 VL 30.382 GAL -16.38 AZL 87.55 MCA 107.59 SMA 150.57 ECC .28284 INC 2.4545 V1 30.287
 RP 108.10 LAP 2.34 LOP 212.83 VP 39.673 GAP 1.26 AZP 90.74 TAL 258.11 TAP 5.70 RCA 107.98 APO 193.16 V2 35.056
 RC 82.862 GL 8.19 GP 14.39 ZAL 168.76 ZAP 97.62 ETS 359.25 ZAE 158.86 ETE 155.75 ZAC 28.58 ETC 173.87 CLP -97.87

PLANETOCENTRIC CONIC

C3 76.736 VHL 8.760 DLA -13.41 RAL 293.37 RAD 6569.5 VEL 14.074 PTH 2.57 VHP 4.784 DPA -8.98 RAP 295.25 ECC 2.2629
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 39 54 2116.04 -17.06 35.34 174.35 112.95 2 15 11 1516.0 -13.81 28.17
 90.00 10 8 27 5619.80 28.10 263.62 184.76 93.62 11 42 7 5019.8 28.31 254.96
 100.00 2 54 14 1876.23 -18.58 17.02 173.66 113.85 3 25 30 1276.2 -15.20 9.85
 100.00 11 36 49 5334.84 29.76 242.77 184.87 92.98 13 5 44 4734.8 29.85 233.97
 110.00 3 46 43 1711.85 -22.57 2.55 171.66 116.38 4 15 15 1111.9 -18.85 355.40
 110.00 13 0 49 5071.98 34.16 223.00 185.06 91.26 14 25 21 4472.0 33.96 213.76

DIFFERENTIAL CORRECTIONS

TDE -.0677 TRA-1.2247 TC3 -.2542 BAU .2772
 RDE -.5447 RRA .2351 RC3 .0914 FAU .10590
 FDE .0347 FRA-1.2889 FC3-1.1947 BSP 2415
 BDE .5489 BRA 1.2470 BC3 .2702 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 937.2 SGR 421.4 SG3 195.7
 RRT -.4703 RRF -.5032 RTF .7747
 SGB 1027.6 R23 .0844 R13 -.7860
 SG1 961.6 SG2 362.5 TMA 166.04

ORBIT DETERMINATION ACCURACY

ST 251.3 SR 359.4 SS 111.0
 CRT .0443 CRS .2146 CST -.9496
 LSA 360.4 MSA 272.9 SSA 18.3
 EL1 359.8 EL2 250.9 ALF 86.54

LAUNCH DATE JAN 6 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 23 1966

HELIOCENTRIC CONIC

DISTANCE 237.334

RL 147.10 LAL -0.00 LOL 105.23 VL 30.296 GAL -16.18 AZL 87.65 MCA 110.80 SMA 149.69 ECC .27912 INC 2.3516 V1 30.287
 RP 108.14 LAP 2.20 LOP 216.04 VP 39.596 GAP 1.75 AZP 90.84 TAL 257.24 TAP 8.04 RCA 107.91 APO 191.47 V2 35.043
 RC 85.157 GL 7.95 GP 14.67 ZAL 168.62 ZAP 101.76 ETS .36 ZAE 156.15 ETE 157.57 ZAC 27.52 ETC 174.52 CLP -102.16

PLANETOCENTRIC CONIC

C3 74.579 VHL 8.636 DLA -13.58 RAL 293.86 RAD 6569.5 VEL 13.997 PTH 2.55 VHP 4.777 DPA -8.83 RAP 294.16 ECC 2.2274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 43 22 2103.47 -16.73 34.57 174.40 113.19 2 18 25 1503.5 -13.45 27.43
 90.00 10 8 54 5619.13 28.11 263.57 184.82 93.59 11 42 33 5019.1 28.31 254.91
 100.00 2 57 34 1864.02 -18.24 16.27 173.70 114.10 3 28 38 1264.0 -14.84 9.13
 100.00 11 37 22 5335.80 29.76 242.69 184.93 92.94 13 6 16 4733.8 29.85 233.89
 110.00 3 49 48 1700.42 -22.23 1.84 171.69 116.66 4 18 9 1100.4 -18.47 354.73
 110.00 13 1 37 5070.17 34.17 222.86 185.11 91.17 14 26 8 4470.2 33.95 213.62

DIFFERENTIAL CORRECTIONS

TDE -.0708 TRA-1.2959 TC3 -.2983 BAU .3134
 RDE -.5269 RRA .2363 RC3 .0991 FAU .10568
 FDE .0200 FRA-1.2600 FC3-1.2268 BSP 2725
 BDE .5316 BRA 1.3173 BC3 .3143 FSP -607

MID-COURSE EXECUTION ACCURACY

SGT 1024.7 SGR 421.4 SG3 197.6
 RRT -.4968 RRF -.5252 RTF .7903
 SGB 1108.0 R23 .0899 R13 -.7999
 SG1 1048.8 SG2 357.3 TMA 166.91

ORBIT DETERMINATION ACCURACY

ST 269.9 SR 352.9 SS 109.8
 CRT .0366 CRS .1859 CST -.9584
 LSA 353.7 MSA 289.9 SSA 18.4
 EL1 353.3 EL2 269.5 ALF 86.16

LAUNCH DATE JAN 6 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 25 1966

HELIOCENTRIC CONIC

DISTANCE 243.500

RL 147.10 LAL -0.00 LOL 105.23 VL 30.207 GAL -15.98 AZL 87.76 MCA 114.00 SMA 148.79 ECC .27545 INC 2.2444 V1 30.287
 RP 108.18 LAP 2.05 LOP 219.25 VP 39.517 GAP 2.22 AZP 90.71 TAL 256.30 TAP 10.30 RCA 107.81 APO 189.78 V2 35.030
 RC 87.465 GL 7.68 GP 14.95 ZAL 168.45 ZAP 105.68 ETS 1.50 ZAE 155.58 ETE 158.93 ZAC 26.66 ETC 175.20 CLP -106.24

PLANETOCENTRIC CONIC

C3 72.445 VHL 8.511 DLA -13.77 RAL 294.59 RAD 6569.4 VEL 13.921 PTH 2.54 VHP 4.786 DPA -8.64 RAP 293.28 ECC 2.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 47 6 2090.24 -16.37 33.76 174.47 113.43 2 21 57 1490.2 -13.06 26.64
 90.00 10 9 23 5618.78 28.11 263.55 184.91 93.58 11 43 2 5018.8 28.31 254.89
 100.00 3 1 12 1851.20 -17.89 15.48 173.77 114.36 3 32 3 1251.2 -14.45 8.38
 100.00 11 37 59 5333.05 29.76 242.64 185.02 92.91 13 6 52 4733.1 29.85 233.83
 110.00 3 53 10 1688.44 -21.86 1.11 171.74 116.96 4 21 18 1088.4 -18.07 354.03
 110.00 13 2 30 5068.58 34.17 222.74 185.20 91.10 14 26 59 4468.6 33.94 213.50

DIFFERENTIAL CORRECTIONS

TDE -.0764 TRA-1.3669 TC3 -.3443 BAU .3491
 RDE -.5075 RRA .2367 RC3 .1067 FAU .10477
 FDE .0044 FRA-1.2222 FC3-1.2520 BSP 3044
 BDE .5132 BRA 1.3872 BC3 .3604 FSP -613

MID-COURSE EXECUTION ACCURACY

SGT 1115.1 SGR 420.3 SG3 198.2
 RRT -.5213 RRF -.5469 RTF .8021
 SGB 1191.7 R23 .0967 R13 -.8104
 SG1 1138.8 SG2 351.2 TMA 167.70

ORBIT DETERMINATION ACCURACY

ST 289.3 SR 345.2 SS 108.4
 CRT .0349 CRS .1533 CST -.9653
 LSA 345.8 MSA 307.7 SSA 18.5
 EL1 345.7 EL2 288.8 ALF 84.43

LAUNCH DATE JAN 6 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 27 1966

HELIOCENTRIC CONIC

DISTANCE 249.626

RL 147.10 LAL -0.00 LOL 105.23 VL 30.116 GAL -15.77 AZL 87.87 HCA 117.21 SMA 147.87 ECC .27185 INC 2.1317 V1 30.287
 RP 108.22 LAP 1.90 LOP 222.45 VP 39.435 GAP 2.66 AZP 90.98 TAL 255.29 TAP 12.50 RCA 107.68 APO 188.07 V2 35.016
 RC 89.783 GL 7.39 GP 15.26 ZAL 168.25 ZAP 109.36 ETS 2.68 ZAE 151.17 ETE 159.96 ZAC 26.02 ETC 175.92 CLP-110.10

PLANETOCENTRIC CONIC

C3 70.330 VHL 8.386 DLA -13.97 RAL 294.96 RAD 6569.4 VEL 13.845 PTH 2.53 VMP 4.809 DPA -8.41 RAP 292.61 ECC 2.1574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 51 11 2076.20 -15.99 32.91 174.58 113.69 2 25 47 1476.2 -12.65 25.82
 90.00 10 9 52 5618.87 28.11 263.55 185.04 93.58 11 43 31 5018.9 28.31 254.89
 100.00 3 5 8 1837.60 -17.50 14.66 173.87 114.63 3 35 45 1237.6 -14.03 7.58
 100.00 11 38 36 5332.70 29.76 242.61 185.15 92.90 13 7 29 4732.7 29.85 233.81
 110.00 3 56 48 1675.77 -21.47 .33 171.83 117.26 4 24 44 1075.8 -17.64 353.29
 110.00 13 3 26 5067.29 34.17 222.64 185.33 91.04 14 27 53 4467.3 33.94 213.40

DIFFERENTIAL CORRECTIONS

TDE -.0845 TRA-1.4364 TC3 -.3918 BAU .3838
 RDE -.4870 RRA .2356 RC3 .1143 FAU .10313
 FDE -.0086 FRA-1.1734 FC3-1.2695 BSP 3357
 BDE .4942 BRA 1.4556 BC3 .4082 FSP -608

MID-COURSE EXECUTION ACCURACY

SGT 1207.4 SGR 418.2 SG3 197.3
 RRT -.5435 RRF -.5686 RTF .8105
 SGB 1277.8 R23 .1059 R13 -.8179
 SGI 1230.5 SG2 344.5 THA 168.42

ORBIT DETERMINATION ACCURACY

ST 309.4 SR 336.4 SS 106.4
 CRT .0383 CR3 .1246 CST -.9693
 LSA 337.9 MSA 325.2 S5A 18.6
 EL1 337.7 EL2 308.0 ALF 77.70

LAUNCH DATE JAN 6 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 29 1966

HELIOCENTRIC CONIC

DISTANCE 255.715

RL 147.10 LAL -0.00 LOL 105.23 VL 30.022 GAL -15.56 AZL 87.99 HCA 120.41 SMA 146.95 ECC .26831 INC 2.0125 V1 30.287
 RP 108.26 LAP 1.74 LOP 225.65 VP 39.352 GAP 3.08 AZP 91.02 TAL 254.23 TAP 14.64 RCA 107.52 APO 186.38 V2 35.003
 RC 92.112 GL 7.06 GP 15.59 ZAL 168.01 ZAP 112.81 ETS 3.90 ZAE 148.91 ETE 160.71 ZAC 25.60 ETC 176.69 CLP-113.74

PLANETOCENTRIC CONIC

C3 68.232 VHL 8.260 DLA -14.19 RAL 295.58 RAD 6569.3 VEL 13.769 PTH 2.52 VMP 4.844 DPA -8.12 RAP 292.15 ECC 2.1229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 55 37 2061.16 -15.57 32.00 174.72 113.95 2 29 58 1461.2 -12.21 24.94
 90.00 10 10 19 5619.55 28.10 263.60 185.21 93.61 11 43 59 5019.6 28.31 254.94
 100.00 3 9 25 1823.07 -17.09 13.78 174.00 114.91 3 39 48 1223.1 -13.59 6.73
 100.00 11 39 13 5332.88 29.76 242.63 185.32 92.91 13 8 5 4732.9 29.85 233.82
 110.00 4 0 45 1662.27 -21.04 359.52 171.94 117.58 4 28 27 1062.3 -17.18 352.51
 110.00 13 4 22 5066.44 34.17 222.57 185.49 91.00 14 28 48 4466.4 33.93 213.33

DIFFERENTIAL CORRECTIONS

TDE -.0959 TRA-1.5046 TC3 -.4413 BAU .4177
 RDE -.4648 RRA .2337 RC3 .1222 FAU .10116
 FDE -.0258 FRA-1.1229 FC3-1.2836 BSP 3684
 BDE .4744 BRA 1.5227 BC3 .4579 FSP -607

MID-COURSE EXECUTION ACCURACY

SGT 1301.9 SGR 415.5 SG3 195.9
 RRT -.5654 RRF -.5910 RTF .8170
 SGB 1366.6 R23 .1161 R13 -.8237
 SGI 1324.4 SG2 336.9 THA 169.05

ORBIT DETERMINATION ACCURACY

ST 330.5 SR 326.2 SS 104.6
 CRT .0473 CR3 .0824 CST -.9738
 LSA 347.5 MSA 324.7 S5A 18.7
 EL1 336.3 EL2 320.2 ALF 37.36

LAUNCH DATE JAN 6 1966

FLIGHT TIME 84.00

ARRIVAL DATE MAR 31 1966

HELIOCENTRIC CONIC

DISTANCE 261.769

RL 147.10 LAL -0.00 LOL 105.23 VL 29.926 GAL -15.35 AZL 88.11 HCA 125.61 SMA 146.02 ECC .26483 INC 1.8853 V1 30.287
 RP 108.31 LAP 1.57 LOP 228.85 VP 39.267 GAP 3.48 AZP 91.04 TAL 253.11 TAP 16.71 RCA 107.35 APO 184.69 V2 34.990
 RC 94.449 GL 6.70 GP 15.96 ZAL 167.73 ZAP 116.03 ETS 5.18 ZAE 146.81 ETE 161.24 ZAC 25.39 ETC 177.52 CLP-117.16

PLANETOCENTRIC CONIC

C3 66.150 VHL 8.133 DLA -14.45 RAL 296.23 RAD 6569.3 VEL 13.693 PTH 2.50 VMP 4.889 DPA -7.77 RAP 291.90 ECC 2.0887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 29 2044.90 -15.12 31.02 174.89 114.23 2 34 34 1444.9 -11.72 23.99
 90.00 10 10 40 5621.03 28.10 263.71 185.41 93.66 11 44 21 5021.0 28.31 255.05
 100.00 3 14 6 1807.38 -16.64 12.83 174.17 115.20 3 44 14 1207.4 -13.10 5.82
 100.00 11 39 44 5333.79 29.76 242.69 185.52 92.94 13 8 58 4733.8 29.85 233.89
 110.00 4 5 4 1647.77 -20.58 358.64 172.09 117.91 4 32 31 1047.8 -16.69 351.68
 110.00 13 5 16 5066.17 34.17 222.55 185.70 90.99 14 29 42 4466.2 33.93 213.31

DIFFERENTIAL CORRECTIONS

TDE -.1106 TRA-1.5707 TC3 -.4927 BAU .4507
 RDE -.4409 RRA .2310 RC3 .1306 FAU .09887
 FDE -.0441 FRA-1.0686 FC3-1.2939 BSP 4016
 BDE .4546 BRA 1.5876 BC3 .5097 FSP -603

MID-COURSE EXECUTION ACCURACY

SGT 1397.8 SGR 412.1 SG3 193.9
 RRT -.5868 RRF -.6144 RTF .8217
 SGB 1457.3 R23 .1283 R13 -.8279
 SGI 1419.8 SG2 328.5 THA 169.62

ORBIT DETERMINATION ACCURACY

ST 352.4 SR 314.7 SS 102.9
 CRT .0609 CR3 .0328 CST -.9773
 LSA 367.9 MSA 313.2 S5A 18.9
 EL1 354.8 EL2 312.0 ALF 14.15

LAUNCH DATE JAN 6 1966

FLIGHT TIME 86.00

ARRIVAL DATE APR 2 1966

HELIOCENTRIC CONIC

DISTANCE 267.791

RL 147.10 LAL -0.00 LOL 105.23 VL 29.828 GAL -15.13 AZL 88.25 HCA 126.80 SMA 145.09 ECC .26143 INC 1.7484 V1 30.287
 RP 108.35 LAP 1.40 LOP 232.04 VP 39.181 GAP 3.85 AZP 91.05 TAL 251.93 TAP 18.73 RCA 107.16 APO 183.02 V2 34.977
 RC 96.794 GL 6.30 GP 16.39 ZAL 167.41 ZAP 119.02 ETS 6.53 ZAE 144.86 ETE 161.57 ZAC 25.38 ETC 178.42 CLP-120.37

PLANETOCENTRIC CONIC

C3 64.083 VHL 8.005 DLA -14.73 RAL 296.93 RAD 6569.2 VEL 13.618 PTH 2.49 VMP 4.943 DPA -7.35 RAP 291.84 ECC 2.0546
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 51 2027.13 -14.62 29.95 175.10 114.52 2 39 38 1427.1 -11.19 22.95
 90.00 10 10 51 5623.57 28.09 263.90 185.65 93.75 11 44 34 5023.6 28.31 255.24
 100.00 3 19 16 1790.27 -16.14 11.80 174.36 115.51 3 49 6 1190.3 -12.57 4.83
 100.00 11 40 7 5335.66 29.75 242.83 185.76 93.02 13 9 3 4735.7 29.85 234.03
 110.00 4 9 47 1632.02 -20.08 357.70 172.26 118.26 4 36 59 1032.0 -16.14 350.78
 110.00 13 6 5 5066.67 34.17 222.59 185.95 91.01 14 30 32 4466.7 33.93 213.35

DIFFERENTIAL CORRECTIONS

TDE -.1291 TRA-1.6342 TC3 -.5461 BAU .4829
 RDE -.4159 RRA .2273 RC3 .1395 FAU .09630
 FDE -.0658 FRA-1.0119 FC3-1.3010 BSP 4353
 BDE .4354 BRA 1.6499 BC3 .5636 FSP -598

MID-COURSE EXECUTION ACCURACY

SGT 1495.2 SGR 408.4 SG3 191.3
 RRT -.6079 RRF -.6389 RTF .8250
 SGB 1549.9 R23 .1426 R13 -.8308
 SGI 1516.6 SG2 319.7 THA 170.13

ORBIT DETERMINATION ACCURACY

ST 375.3 SR 302.0 SS 101.5
 CRT .0795 CR3 -.0255 CST -.9797
 LSA 390.0 MSA 299.8 S5A 19.0
 EL1 377.4 EL2 299.3 ALF 9.97

LAUNCH DATE JAN 6 1966

FLIGHT TIME 88.00

ARRIVAL DATE APR 4 1966

HELIOCENTRIC CONIC

DISTANCE 273.784

RL 147.10 LAL -1.00 LOL 105.23 VL 29.729 GAL -14.91 AZL 88.40 MCA 129.99 SMA 144.16 ECC .25811 INC 1.5997 V1 30.287
 RP 108.39 LAP 1.23 LOP 235.23 VP 39.094 GAP 4.20 AZP 91.03 TAL 250.71 TAP 20.70 RCA 106.95 APO 181.37 V2 34.964
 RC 99.145 GL 5.84 GP 16.89 ZAL 167.06 ZAP 121.78 ETS 7.98 ZAE 143.05 ETE 161.73 ZAC 25.56 ETC 179.41 CLP-123.39

PLANETOCENTRIC CONIC

C3 62.031 VML 7.876 DLA -15.06 RAL 297.66 RAD 6569.2 VEL 13.542 PTH 2.48 VNP 5.005 OPA -6.84 RAP 281.96 ECC 2.0209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 11 49 2007.50 -14.07 26.78 175.34 114.83 2 45 16 1407.5 -10.60 21.81
 90.00 10 10 47 5627.49 28.07 264.18 185.94 93.90 11 44 34 5027.5 28.31 255.53
 100.00 3 24 59 1771.42 -15.58 10.68 174.60 115.84 3 54 30 1171.4 -11.98 3.74
 100.00 11 40 18 5338.81 29.74 243.06 186.05 93.14 13 9 17 4738.8 29.86 234.26
 110.00 4 15 0 1614.77 -19.52 356.67 172.47 118.64 4 41 54 1014.8 -15.54 349.81
 110.00 13 6 47 5068.22 34.17 222.71 186.25 91.08 14 31 15 4468.2 33.94 213.47

DIFFERENTIAL CORRECTIONS

TDE -.1517 TRA-1.6942 TC3 -.6016 BAU .5140
 RDE -.3895 RRA .2225 RC3 .1491 FAU .09353
 FDE -.0851 FRA -.9534 FC3-1.3053 BSP 4693
 BDE .4180 BRA 1.7088 BC3 .6198 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 1593.5 SGR 404.4 SG3 188.3
 RRT -.6288 RRF -.6647 RTF .8272
 SGB 1644.1 RZ3 .1594 R13 -.8327
 SG1 1614.5 SG2 310.4 TMA 170.58

ORBIT DETERMINATION ACCURACY

ST 399.5 SR 287.9 SS 100.5
 CRT .1027 CRS -.0936 CST -.9806
 LSA 413.5 MSA 285.0 S3A 19.1
 EL1 401.7 EL2 284.8 ALF 8.55

LAUNCH DATE JAN 6 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 6 1966

HELIOCENTRIC CONIC

DISTANCE 279.749

RL 147.10 LAL -1.00 LOL 105.23 VL 29.630 GAL -14.69 AZL 88.56 MCA 133.18 SMA 143.24 ECC .25487 INC 1.4364 V1 30.287
 RP 108.43 LAP 1.05 LOP 238.42 VP 39.007 GAP 4.54 AZP 90.98 TAL 249.44 TAP 22.63 RCA 106.73 APO 179.74 V2 34.951
 RC 101.502 GL 5.32 GP 17.48 ZAL 166.67 ZAP 124.31 ETS 9.55 ZAE 141.35 ETE 161.72 ZAC 25.93 ETC 180.49 CLP-126.22

PLANETOCENTRIC CONIC

C3 59.996 VML 7.746 DLA -15.45 RAL 298.45 RAD 6569.1 VEL 13.467 PTH 2.46 VNP 5.074 OPA -6.22 RAP 292.24 ECC 1.9874
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 31 1985.53 -13.43 27.47 175.62 115.16 2 51 36 1385.5 -9.93 20.54
 90.00 10 10 21 5633.26 28.04 264.60 186.27 94.11 11 44 14 5033.3 28.32 255.95
 100.00 3 31 23 1750.39 -14.95 9.43 174.87 116.19 4 0 34 1150.4 -11.31 2.54
 100.00 11 40 10 5343.64 29.72 243.42 186.40 93.32 13 9 13 4743.6 29.87 234.62
 110.00 4 20 47 1595.64 -18.89 355.54 172.72 119.03 4 47 23 995.6 -14.87 348.73
 110.00 13 7 15 5071.14 34.16 222.94 186.60 91.22 14 31 46 4471.1 33.96 213.70

DIFFERENTIAL CORRECTIONS

TDE -.1780 TRA-1.7494 TC3 -.6590 BAU .5438
 RDE -.3624 RRA .2163 RC3 .1592 FAU .09044
 FDE -.1043 FRA -.8900 FC3-1.3050 BSP 5012
 BDE .4038 BRA 1.7627 BC3 .6780 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 1691.7 SGR 400.3 SG3 184.5
 RRT -.6487 RRF -.6916 RTF .8280
 SGB 1738.5 RZ3 .1799 R13 -.8333
 SG1 1712.2 SG2 301.0 TMA 170.99

ORBIT DETERMINATION ACCURACY

ST 424.8 SR 272.8 SS 99.6
 CRT .1295 CRS -.1618 CST -.9795
 LSA 438.3 MSA 269.0 S3A 19.2
 EL1 427.3 EL2 268.9 ALF 7.90

LAUNCH DATE JAN 6 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 8 1966

HELIOCENTRIC CONIC

DISTANCE 285.689

RL 147.10 LAL -1.00 LOL 105.23 VL 29.529 GAL -14.45 AZL 88.74 MCA 136.37 SMA 142.33 ECC .25172 INC 1.2554 V1 30.287
 RP 108.46 LAP .87 LOP 241.60 VP 38.919 GAP 4.86 AZP 90.91 TAL 248.13 TAP 24.51 RCA 106.50 APO 178.15 V2 34.939
 RC 103.862 GL 4.72 GP 18.17 ZAL 166.24 ZAP 126.62 ETS 11.27 ZAE 139.76 ETE 161.55 ZAC 26.48 ETC 181.67 CLP-128.89

PLANETOCENTRIC CONIC

C3 57.980 VML 7.614 DLA -15.91 RAL 299.29 RAD 6569.1 VEL 13.392 PTH 2.45 VNP 5.149 OPA -5.47 RAP 292.66 ECC 1.9542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 7 1960.63 -12.71 26.01 175.96 115.52 2 58 48 1360.6 -9.17 19.11
 90.00 10 9 25 5641.48 28.00 265.20 186.67 94.40 11 43 26 5041.5 28.32 256.55
 100.00 3 38 38 1726.63 -14.23 8.04 175.19 116.57 4 7 25 1126.6 -10.55 1.18
 100.00 11 39 35 5350.71 29.69 243.95 186.81 93.60 13 8 46 4750.7 29.88 235.15
 110.00 4 27 18 1574.19 -18.18 354.29 173.00 119.46 4 53 32 974.2 -14.12 347.53
 110.00 13 7 25 5075.91 34.16 223.31 187.04 91.44 14 32 0 4475.9 33.98 214.07

DIFFERENTIAL CORRECTIONS

TDE -.2106 TRA-1.8007 TC3 -.7197 BAU .5733
 RDE -.3337 RRA .2093 RC3 .1706 FAU .08740
 FDE -.1292 FRA -.8296 FC3-1.3050 BSP 5356
 BDE .3946 BRA 1.8129 BC3 .7396 FSP -567

MID-COURSE EXECUTION ACCURACY

SGT 1792.0 SGR 396.7 SG3 180.8
 RRT -.6690 RRF -.7204 RTF .8287
 SGB 1835.4 RZ3 .2030 R13 -.8339
 SG1 1812.1 SG2 291.5 TMA 171.35

ORBIT DETERMINATION ACCURACY

ST 452.6 SR 256.0 SS 100.4
 CRT .1621 CRS -.2489 CST -.9759
 LSA 465.9 MSA 251.1 S3A 19.4
 EL1 455.3 EL2 251.1 ALF 7.54

LAUNCH DATE JAN 6 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 10 1966

HELIOCENTRIC CONIC

DISTANCE 291.605

RL 147.10 LAL -1.00 LOL 105.23 VL 29.428 GAL -14.22 AZL 88.95 MCA 139.56 SMA 141.42 ECC .24866 INC 1.0519 V1 30.287
 RP 108.50 LAP .68 LOP 244.79 VP 38.832 GAP 5.16 AZP 90.80 TAL 246.79 TAP 26.34 RCA 106.26 APO 176.59 V2 34.926
 RC 106.225 GL 4.01 GP 19.00 ZAL 165.76 ZAP 128.70 ETS 13.18 ZAE 138.26 ETE 161.21 ZAC 27.19 ETC 182.98 CLP-131.40

PLANETOCENTRIC CONIC

C3 55.987 VML 7.482 DLA -16.45 RAL 300.18 RAD 6569.0 VEL 13.317 PTH 2.43 VNP 5.233 OPA -4.58 RAP 293.21 ECC 1.9214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 53 1931.96 -11.86 24.33 176.35 115.90 3 7 5 1332.0 -8.28 17.48
 90.00 10 7 46 5652.98 27.94 266.04 187.14 94.82 11 41 59 5053.0 28.31 257.39
 100.00 3 46 58 1699.38 -13.40 6.45 175.57 116.97 4 15 17 1099.4 -9.67 359.63
 100.00 11 38 23 5360.79 29.65 244.69 187.29 93.99 13 7 44 4760.8 29.89 235.90
 110.00 4 34 43 1549.81 -17.35 352.88 173.35 119.92 5 0 33 949.8 -13.24 346.18
 110.00 13 7 7 5083.13 34.14 223.87 187.56 91.77 14 31 50 4483.1 34.01 214.63

DIFFERENTIAL CORRECTIONS

TDE -.2495 TRA-1.8484 TC3 -.7832 BAU .6021
 RDE -.3038 RRA .2009 RC3 .1832 FAU .08425
 FDE -.1587 FRA -.7685 FC3-1.3028 BSP 5703
 BDE .3931 BRA 1.8573 BC3 .8044 FSP -557

MID-COURSE EXECUTION ACCURACY

SGT 1893.1 SGR 393.7 SG3 176.9
 RRT -.6888 RRF -.7505 RTF .8289
 SGB 1933.8 RZ3 .2297 R13 -.8340
 SG1 1912.8 SG2 282.5 TMA 171.66

ORBIT DETERMINATION ACCURACY

ST 483.1 SR 237.7 SS 102.8
 CRT .1992 CRS -.3436 CST -.9686
 LSA 496.3 MSA 231.7 S3A 19.6
 EL1 486.1 EL2 231.5 ALF 7.25

LAUNCH DATE JAN 6 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 12 1966

HELIOCENTRIC CONIC

DISTANCE 297.500

RL 147.10 LAL -0.00 LOL 105.23 VL 29.328 GAL -13.97 AZL 89.18 MCA 142.74 SMA 140.54 ECC .24569 INC .8205 V1 30.287
 RP 108.54 LAP .50 LOP 247.97 VP 38.745 GAP 5.44 AZP 90.65 TAL 245.40 TAP 28.14 RCA 106.01 APO 175.07 V2 34.914
 RC 108.588 GL 3.18 GP 19.99 ZAL 165.22 ZAP 130.55 ETS 15.32 ZAE 136.81 ETE 160.70 ZAC 28.07 ETC 184.44 CLP-133.77

PLANETOCENTRIC CONIC

C3 54.024 VHL 7.350 DLA -17.12 RAL 301.14 RAD 6569.0 VEL 13.243 PTH 2.42 VHP 5.325 DPA -3.50 RAP 293.85 ECC 1.8891
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 11 1898.37 -10.85 22.37 176.84 116.31 3 16 49 1298.4 -7.23 15.57
 90.00 10 5 8 5668.96 27.84 267.19 187.71 95.39 11 39 37 5069.0 28.30 258.56
 100.00 3 56 41 1667.62 -12.41 4.60 176.04 117.41 4 24 29 1067.6 -8.64 357.84
 100.00 11 36 19 5374.94 29.58 245.74 187.88 94.54 13 5 54 4774.9 29.89 236.95
 110.00 4 43 17 1521.65 -16.39 351.26 173.77 120.43 5 8 38 921.7 -12.23 344.63
 110.00 13 6 12 5093.68 34.12 224.70 188.20 92.26 14 31 6 4493.7 34.05 215.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2965 TRA-1.8857 TC3 -.8501 BAV .6303 SGT 1995.2 SGR 391.8 SG3 172.7 ST 517.4 SR 217.7 SS 107.6
 ROE -.2725 RRA .1911 RC3 .1972 FAU .08102 RRT -.7075 RRF -.7816 RTF .8289 CRT .2414 CRS -.4425 CST -.9575
 FDE -.1879 FRA -.7072 FC3-1.2983 BSP 6057 SGB 2033.3 R23 .2602 R13 -.8340 LSA 530.9 MSA 210.7 SSA 19.9
 BDE .4027 BRA 1.8953 BC3 .8727 FSP -546 SGI 2014.7 SG2 274.2 THA 171.94 EL1 520.6 EL2 209.9 ALF 6.93

LAUNCH DATE JAN 6 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 14 1966

HELIOCENTRIC CONIC

DISTANCE 303.375

RL 147.10 LAL -0.00 LOL 105.23 VL 29.227 GAL -13.72 AZL 89.45 MCA 145.92 SMA 139.66 ECC .24282 INC .5523 V1 30.287
 RP 108.58 LAP .31 LOP 251.15 VP 38.658 GAP 5.71 AZP 90.46 TAL 243.98 TAP 29.90 RCA 105.75 APO 173.58 V2 34.903
 RC 110.951 GL 2.17 GP 21.19 ZAL 184.61 ZAP 132.14 ETS 17.73 ZAE 135.39 ETE 180.00 ZAC 29.11 ETC 186.08 CLP-136.02

PLANETOCENTRIC CONIC

C3 52.098 VHL 7.218 DLA -17.93 RAL 302.18 RAD 6568.9 VEL 13.170 PTH 2.41 VHP 5.427 DPA -2.20 RAP 294.58 ECC 1.8574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 57 31 1858.21 -9.63 20.05 177.45 116.76 3 28 29 1258.2 -5.97 13.29
 90.00 10 1 5 5691.14 27.69 268.80 188.39 96.18 11 35 56 5091.1 28.26 260.18
 100.00 4 8 17 1629.86 -11.22 2.44 176.61 117.89 4 35 27 1029.9 -7.40 355.73
 100.00 11 33 0 5394.72 29.46 247.20 188.59 95.30 13 2 55 4794.7 29.88 238.42
 110.00 4 53 22 1488.57 -15.24 349.39 174.28 120.97 5 18 11 888.6 -11.02 342.83
 110.00 13 4 24 5108.77 34.07 225.87 188.98 92.95 14 29 33 4508.8 34.10 216.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3517 TRA-1.9155 TC3 -.9193 BAV .6572 SGT 2096.0 SGR 390.8 SG3 167.8 ST 556.2 SR 196.1 SS 114.2
 ROE -.2402 RRA 1.7888 RC3 .2125 FAU .07750 RRT -.7231 RRF -.8127 RTF .8280 CRT .2880 CRS -.5356 CST -.9440
 FDE -.2199 FRA -.6414 FC3-1.2878 BSP 6374 SGB 2132.1 R23 .2953 R13 -.8333 LSA 570.0 MSA 188.6 SSA 20.2
 BDE .4259 BRA 1.9238 BC3 .9435 FSP -527 SGI 2115.2 SG2 267.5 THA 172.19 EL1 559.5 EL2 186.7 ALF 6.53

LAUNCH DATE JAN 6 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 16 1966

HELIOCENTRIC CONIC

DISTANCE 309.231

RL 147.10 LAL -0.00 LOL 105.23 VL 29.126 GAL -13.47 AZL 89.76 MCA 149.10 SMA 138.81 ECC .24005 INC .2353 V1 30.287
 RP 108.61 LAP .12 LOP 254.32 VP 38.572 GAP 5.97 AZP 90.20 TAL 242.53 TAP 31.63 RCA 105.49 APO 172.13 V2 34.892
 RC 115.313 GL .95 GP 22.65 ZAL 163.90 ZAP 133.43 ETS 20.48 ZAE 135.97 ETE 159.10 ZAC 30.31 ETC 187.94 CLP-138.16

PLANETOCENTRIC CONIC

C3 50.225 VHL 7.087 DLA -18.95 RAL 303.31 RAD 6568.8 VEL 13.099 PTH 2.39 VHP 5.543 DPA -.63 RAP 295.35 ECC 1.8266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 44 1808.92 -8.11 17.23 178.23 117.22 3 42 52 1208.9 -4.40 10.52
 90.00 9 54 56 5722.23 27.44 271.04 189.22 97.28 11 30 19 5122.2 28.16 262.45
 100.00 4 22 28 1583.87 -9.74 359.82 177.36 118.40 4 48 52 983.9 -5.87 353.17
 100.00 11 27 53 5422.51 29.27 249.24 189.47 96.35 12 58 16 4822.5 29.84 240.48
 110.00 5 5 33 1448.88 -13.84 347.17 174.95 121.57 5 29 41 848.9 -9.56 340.68
 110.00 13 1 18 5130.26 33.98 227.54 189.97 93.94 14 26 48 4530.3 34.15 218.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.4208 TRA-1.9365 TC3 -.9925 BAV .6841 SGT 2198.8 SGR 392.2 SG3 162.9 ST 603.4 SR 171.7 SS 126.0
 ROE -.2055 RRA .1647 RC3 .2301 FAU .07397 RRT -.7368 RRF -.8439 RTF .8277 CRT .3390 CRS -.6245 CST -.9288
 FDE -.2606 FRA -.5775 FC3-1.2750 BSP 6723 SGB 2233.6 R23 .3330 R13 -.8331 LSA 617.9 MSA 165.1 SSA 20.5
 BDE .4683 BRA 1.9435 BC3 1.0189 FSP -514 SGI 2218.0 SG2 262.9 THA 172.41 EL1 606.4 EL2 160.7 ALF 5.93

LAUNCH DATE JAN 6 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 18 1966

HELIOCENTRIC CONIC

DISTANCE 315.071

RL 147.10 LAL -0.00 LOL 105.23 VL 29.026 GAL -13.21 AZL 90.14 MCA 152.27 SMA 137.97 ECC .23738 INC .1433 V1 30.287
 RP 108.64 LAP -.07 LOP 257.50 VP 38.486 GAP 6.21 AZP 89.87 TAL 241.05 TAP 33.32 RCA 105.22 APO 170.72 V2 34.881
 RC 115.673 GL -.58 GP 24.44 ZAL 163.04 ZAP 134.39 ETS 23.65 ZAE 132.48 ETE 157.96 ZAC 31.69 ETC 190.08 CLP-140.21

PLANETOCENTRIC CONIC

C3 48.432 VHL 6.959 DLA -20.25 RAL 304.58 RAD 6568.8 VEL 13.031 PTH 2.38 VHP 5.678 DPA 1.29 RAP 296.12 ECC 1.7971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 32 11 1746.36 -6.14 13.69 179.30 117.70 4 1 17 1146.4 -2.39 7.02
 90.00 9 45 34 5766.84 27.02 274.22 190.24 98.82 11 21 41 5166.6 27.96 265.68
 100.00 4 40 25 1526.14 -7.85 356.57 178.37 118.93 5 5 51 926.1 -3.93 349.98
 100.00 11 20 1 5462.10 28.94 252.14 190.56 97.84 12 51 3 4862.1 29.72 243.42
 110.00 5 20 40 1400.02 -12.08 344.48 175.84 122.22 5 44 0 800.0 -7.74 338.07
 110.00 12 56 18 5160.97 33.81 229.93 191.22 95.34 14 22 17 4561.0 34.18 220.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5074 TRA-1.9460 TC3 .0893 BAV .7110 SGT 2303.4 SGR 396.1 SG3 157.4 ST 662.5 SR 144.2 SS 143.4
 ROE -.1682 RRA .1477 RC3 .2499 FAU .07022 RRT -.7464 RRF -.8739 RTF .8278 CRT .3922 CRS -.6970 CST -.9167
 FDE -.3084 FRA -.5122 FC3-1.2552 BSP 7088 SGB 2337.2 R23 .3726 R13 -.8334 LSA 678.1 MSA 141.3 SSA 20.8
 BDE .5345 BRA 1.9516 BC3 1.0981 FSP -499 SGI 2322.5 SG2 261.5 THA 172.59 EL1 665.0 EL2 132.2 ALF 5.08

LAUNCH DATE JAN 6 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 20 1966

HELIOCENTRIC CONIC

DISTANCE 320.894

RL 147.10 LAL -0.00 LOL 105.23 VL 28.927 GAL -12.94 AZL 90.61 MCA 155.44 SMA 137.15 ECC .23482 INC .6123 V1 30.287
 RP 108.68 LAP -.25 LOP 260.67 VP 38.402 GAP 6.44 AZP 89.44 TAL 239.54 TAP 34.98 RCA 104.94 APO 169.35 V2 34.870
 RC 118.029 GL -2.53 GP 26.68 ZAL 161.98 ZAP 134.91 ETS 27.30 ZAE 130.85 ETE 156.56 ZAC 33.27 ETC 192.57 CLP-142.20

PLANETOCENTRIC CONIC

C3 46.765 VHL 6.838 DLA -21.93 RAL 306.02 RAD 6568.7 VEL 12.966 PTH 2.36 VHP 5.842 DPA 3.66 RAP 296.86 ECC 1.7696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 25 1662.97 -3.49 9.00 180.84 118.12 4 26 8 1063.0 .30 2.57
 90.00 9 30 49 9832.49 26.24 278.89 191.48 101.03 11 8 1 5232.5 27.50 270.45
 100.00 5 4 14 1430.52 -5.34 352.36 179.82 119.45 5 28 25 850.5 -1.38 345.82
 100.00 11 7 40 5520.17 28.32 256.34 191.91 99.98 12 39 41 4920.2 29.41 247.71
 110.00 5 40 11 1337.86 -9.80 341.10 177.10 122.91 6 2 29 737.9 -5.40 334.78
 110.00 12 48 13 5205.59 33.48 235.37 192.83 97.35 14 14 59 4605.6 34.13 224.19

DIFFERENTIAL CORRECTIONS

TDE -.6160 TRA-1.9378 TC3-1.1462 BAU .7364
 RDE -.1281 RRA .1259 RC3 .2711 FAU .06599
 FDE -.3621 FRA -.4410 FC3-1.2217 BSP 7412
 BDE .6292 BRA 1.9419 BC3 1.1778 FSP -476

MID-COURSE EXECUTION ACCURACY

SGT 2405.6 SGR 402.4 SG3 150.7
 RRT -.7488 RRF -.9008 RTF .8277
 SGB 2439.1 R23 .4125 R13 -.8335
 SG1 2424.7 SG2 264.6 THA 172.77

ORBIT DETERMINATION ACCURACY

ST 737.8 SR 113.2 SS 166.5
 CRT .4427 CRS -.7480 CST -.9108
 LSA 755.1 MSA 119.0 SSA 20.8
 EL1 739.5 EL2 101.2 ALF 3.96

LAUNCH DATE JAN 6 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 22 1966

HELIOCENTRIC CONIC

DISTANCE 326.702

RL 147.10 LAL -0.00 LOL 105.23 VL 28.828 GAL -12.67 AZL 91.21 MCA 158.61 SMA 136.35 ECC .23236 INC 1.2110 V1 30.287
 RP 108.71 LAP -.44 LOP 263.84 VP 38.319 GAP 6.66 AZP 88.87 TAL 238.00 TAP 36.61 RCA 104.68 APO 168.03 V2 34.860
 RC 120.382 GL -5.07 GP 29.51 ZAL 160.50 ZAP 134.87 ETS 31.53 ZAE 128.97 ETE 154.84 ZAC 35.11 ETC 195.53 CLP-144.17

PLANETOCENTRIC CONIC

C3 45.314 VHL 6.732 DLA -24.16 RAL 307.71 RAD 6568.7 VEL 12.910 PTH 2.35 VHP 6.052 DPA 6.62 RAP 297.47 ECC 1.7458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 8 1541.92 .42 2.24 183.29 118.31 5 2 50 941.9 4.20 355.60
 90.00 9 5 36 649.68 24.67 308.28 192.90 104.37 9 16 26 49.7 26.40 300.04
 100.00 5 38 17 1344.55 -1.77 346.53 182.07 119.84 6 0 41 744.5 2.22 340.01
 100.00 10 47 9 5610.32 27.09 262.76 193.56 103.14 12 20 39 5010.3 28.63 254.30
 110.00 6 6 49 1255.04 -6.71 336.69 179.01 123.60 6 27 44 655.0 -2.25 330.44
 110.00 12 35 6 5272.60 32.78 238.47 194.92 100.29 14 2 59 4672.6 33.85 229.40

DIFFERENTIAL CORRECTIONS

TDE -.7615 TRA-1.9100 TC3-1.2232 BAU .7622
 RDE -.0822 RRA .0990 RC3 .2944 FAU .06141
 FDE -.4299 FRA -.3692 FC3-1.1732 BSP 7778
 BDE .7659 BRA 1.9126 BC3 1.2581 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 2311.3 SGR 413.0 SG3 143.2
 RRT -.7443 RRF -.9237 RTF .8293
 SGB 2545.0 R23 .4477 R13 -.8354
 SG1 2530.3 SG2 273.7 THA 172.94

ORBIT DETERMINATION ACCURACY

ST 841.5 SR 76.2 SS 200.4
 CRT .4674 CRS -.7598 CST -.9140
 LSA 862.2 MSA 101.8 SSA 19.6
 EL1 842.3 EL2 67.3 ALF 2.44

LAUNCH DATE JAN 6 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 24 1966

HELIOCENTRIC CONIC

DISTANCE 332.495

RL 147.10 LAL -0.00 LOL 105.23 VL 28.731 GAL -12.38 AZL 92.01 MCA 161.77 SMA 135.56 ECC .23001 INC 2.0053 V1 30.287
 RP 108.74 LAP -.63 LOP 267.01 VP 38.237 GAP 6.87 AZP 88.10 TAL 236.43 TAP 38.20 RCA 104.38 APO 166.74 V2 34.851
 RC 122.731 GL -8.49 GP 33.17 ZAL 158.41 ZAP 134.06 ETS 36.42 ZAE 126.66 ETE 152.80 ZAC 37.30 ETC 199.11 CLP-146.18

PLANETOCENTRIC CONIC

C3 44.267 VHL 6.653 DLA -27.20 RAL 309.81 RAD 6568.7 VEL 12.870 PTH 2.34 VHP 6.339 DPA 10.39 RAP 297.86 ECC 1.7285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 6 1317.23 7.59 349.63 188.03 117.36 6 12 3 717.2 11.20 342.81
 90.00 8 9 22 862.62 20.34 322.38 193.79 110.14 8 23 45 262.6 22.90 314.64
 100.00 6 34 58 1172.24 4.07 337.06 186.10 119.64 6 54 30 572.2 7.98 330.47
 100.00 10 7 11 5770.88 24.13 273.76 195.21 108.20 11 43 22 5170.9 26.39 265.69
 110.00 6 46 30 1136.02 -2.19 330.44 182.22 124.12 7 5 26 536.0 2.30 324.23
 110.00 12 12 8 5379.86 31.19 246.43 197.57 104.75 13 41 48 4779.9 32.80 237.62

DIFFERENTIAL CORRECTIONS

TDE -.9617 TRA-1.8509 TC3-1.2911 BAU .7868
 RDE -.0285 RRA .0633 RC3 .3173 FAU .05609
 FDE -.5122 FRA -.2922 FC3-1.0970 BSP 8138
 BDE .9621 BRA 1.8520 BC3 1.3295 FSP -428

MID-COURSE EXECUTION ACCURACY

SGT 2617.1 SGR 427.3 SG3 134.0
 RRT -.7286 RRF -.9397 RTF .8328
 SGB 2651.7 R23 .4750 R13 -.8391
 SG1 2635.8 SG2 290.6 THA 173.13

ORBIT DETERMINATION ACCURACY

ST 988.7 SR 33.2 SS 247.2
 CRT .2983 CRS -.5616 CST -.9260
 LSA 1015.1 MSA 94.8 SSA 16.1
 EL1 988.8 EL2 31.7 ALF .57

LAUNCH DATE JAN 6 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 26 1966

HELIOCENTRIC CONIC

DISTANCE 338.272

RL 147.10 LAL -0.00 LOL 105.23 VL 28.634 GAL -12.10 AZL 93.12 MCA 164.93 SMA 134.80 ECC .22776 INC 3.1193 V1 30.287
 RP 108.76 LAP -.81 LOP 270.18 VP 38.156 GAP 7.07 AZP 86.99 TAL 234.84 TAP 39.77 RCA 104.10 APO 165.50 V2 34.842
 RC 125.075 GL -13.27 GP 37.97 ZAL 155.20 ZAP 132.16 ETS 42.05 ZAE 123.63 ETE 150.47 ZAC 40.00 ETC 203.51 CLP-148.38

PLANETOCENTRIC CONIC

C3 44.057 VHL 6.638 DLA -31.49 RAL 312.60 RAD 6568.7 VEL 12.862 PTH 2.34 VHP 6.763 DPA 15.26 RAP 297.81 ECC 1.7251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.61 5 17 29 1452.66 15.94 4.01 194.80 117.53 5 41 41 852.7 19.50 356.91
 104.39 9 4 17 724.79 15.95 310.21 194.80 117.52 9 16 21 124.8 19.51 303.10
 75.61 5 17 29 1452.66 15.94 4.01 194.80 117.53 5 41 41 852.7 19.50 356.91
 104.39 9 4 17 724.79 15.95 310.21 194.80 117.52 9 16 21 124.8 19.51 303.10
 110.00 7 58 23 930.07 5.67 319.67 188.62 123.77 8 13 55 330.1 10.07 313.34
 110.00 11 22 31 5583.42 26.79 260.62 200.17 112.08 12 55 34 4983.4 29.54 252.51

DIFFERENTIAL CORRECTIONS

TDE -1.2544 TRA-1.7423 TC3-1.3315 BAU .8084
 RDE .0361 RRA .0126 RC3 .3331 FAU .04960
 FDE -.6101 FRA -.2067 FC3 -.9747 BSP 8472
 BDE 1.2549 BRA 1.7424 BC3 1.3725 FSP -390

MID-COURSE EXECUTION ACCURACY

SGT 2721.7 SGR 443.5 SG3 122.0
 RRT -.6941 RRF -.9438 RTF .8392
 SGB 2757.6 R23 .4907 R13 -.8458
 SG1 2739.3 SG2 317.2 THA 173.46

ORBIT DETERMINATION ACCURACY

ST 1206.3 SR 34.1 SS 310.7
 CRT -.8869 CRS .9471 CST -.9439
 LSA 1242.1 MSA 100.3 SSA 10.8
 EL1 1206.7 EL2 15.7 ALF 178.56

LAUNCH DATE JAN 6 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 28 1966

HELIOCENTRIC CONIC

DISTANCE 344.030

RL 147.10 LAL -.00 LOL 105.23 VL 28.538 GAL -11.80 AZL 94.80 HCA 168.08 SMA 134.05 ECC .22560 INC 4.8049 V1 30.287
 RP 108.79 LAP -.99 LOP 273.34 VP 38.077 GAP 7.26 AZP 85.30 TAL 233.22 TAP 41.30 RCA 103.81 APO 164.29 V2 34.834
 RC 127.413 GL -20.22 GP 44.43 ZAL 149.97 ZAP 128.69 ETS 48.56 ZAE 119.38 ETE 148.07 ZAC 43.47 ETC 209.09 CLP-151.09

PLANETOCENTRIC CONIC

C3 45.832 VHL 6.770 DLA -37.71 RAL 316.79 RAD 6568.7 VEL 12.930 PTH 2.36 VHP 7.461 DPA 21.67 RAP 296.92 ECC 1.7543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.99 4 24 45 1673.86 18.38 22.82 201.31 123.52 4 52 39 1073.9 22.66 16.01
 116.01 10 30 25 5811.48 18.40 273.88 201.32 123.51 12 7 16 5211.5 22.67 267.07
 63.99 4 24 45 1673.86 18.38 22.82 201.31 123.52 4 52 39 1073.9 22.66 16.01
 116.01 10 30 25 5811.48 18.40 273.88 201.32 123.51 12 7 16 5211.5 22.67 267.07
 63.99 4 24 45 1673.86 18.38 22.82 201.31 123.52 4 52 39 1073.9 22.66 16.01
 116.01 10 30 25 5811.48 18.40 273.88 201.32 123.51 12 7 16 5211.5 22.67 267.07

DIFFERENTIAL CORRECTIONS

TDE-1.7272 TRA-1.5496 TC3-1.3058 BAU .8249
 RDE .1148 RRA -.0626 RC3 .3274 FAU .04170
 FDE -.7317 FRA -.1147 FC3 -.7877 BSP .8850
 BDE 1.7310 BRA 1.5509 BC3 1.3463 FSP -.346

MID-COURSE EXECUTION ACCURACY

SGT 2830.3 SGR 458.8 SG3 107.1
 RRT -.8275 RRF -.9230 RTF .8536
 SGB 2867.3 R23 .4864 R13 -.8600
 SG1 2845.2 SG2 355.3 THA 174.10

ORBIT DETERMINATION ACCURACY

ST 1544.9 SR 100.1 SS 400.4
 CRT -.8583 CRS .9625 CST -.9641
 LSA 1595.0 MSA 114.4 SSA 6.2
 EL1 1547.3 EL2 51.3 ALF 176.81

LAUNCH DATE JAN 6 1966

FLIGHT TIME 114.00

ARRIVAL DATE APR 30 1966

HELIOCENTRIC CONIC

DISTANCE 349.762

RL 147.10 LAL -.00 LOL 105.23 VL 28.443 GAL -11.49 AZL 97.67 HCA 171.20 SMA 133.33 ECC .22352 INC 7.6700 V1 30.287
 RP 108.81 LAP -1.17 LOP 276.51 VP 37.999 GAP 7.43 AZP 82.42 TAL 231.58 TAP 42.78 RCA 103.53 APO 163.13 V2 34.826
 RC 129.747 GL -30.62 GP 53.25 ZAL 141.21 ZAP 122.95 ETS 56.42 ZAE 113.06 ETE 146.55 ZAC 48.12 ETC 216.65 CLP-155.38

PLANETOCENTRIC CONIC

C3 53.348 VHL 7.304 DLA -46.76 RAL 324.33 RAD 6568.9 VEL 13.218 PTH 2.41 VHP 8.786 DPA 30.19 RAP 294.25 ECC 1.8780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.10 4 0 3 1861.86 20.31 40.85 213.94 133.07 4 31 5 1261.9 25.65 34.79
 128.90 11 55 17 5699.24 20.33 265.70 213.95 133.06 13 30 16 5099.2 25.67 259.64
 51.10 4 0 3 1861.86 20.31 40.85 213.94 133.07 4 31 5 1261.9 25.65 34.79
 128.90 11 55 17 5699.24 20.33 265.70 213.95 133.06 13 30 16 5099.2 25.67 259.64
 51.10 4 0 3 1861.86 20.31 40.85 213.94 133.07 4 31 5 1261.9 25.65 34.79
 128.90 11 55 17 5699.24 20.33 265.70 213.95 133.06 13 30 16 5099.2 25.67 259.64

DIFFERENTIAL CORRECTIONS

TDE-2.5911 TRA-1.1710 TC3-1.1191 BAU .8199
 RDE .1737 RRA -.1842 RC3 .2629 FAU .03183
 FDE -.8774 FRA -.0078 FC3 -.5166 BSP 9125
 BDE 2.5969 BRA 1.1855 BC3 1.1495 FSP -.285

MID-COURSE EXECUTION ACCURACY

SGT 2932.8 SGR 458.9 SG3 88.3
 RRT -.4621 RRF -.8144 RTF .8828
 SGB 2968.5 R23 .4493 R13 -.8874
 SG1 2940.6 SG2 405.9 THA 175.78

ORBIT DETERMINATION ACCURACY

ST 2072.6 SR 150.7 SS 522.8
 CRT -.8072 CRS .9047 CST -.9817
 LSA 2138.9 MSA 130.3 SSA 3.1
 EL1 2076.2 EL2 88.8 ALF 176.64

LAUNCH DATE JAN 6 1966

FLIGHT TIME 116.00

ARRIVAL DATE MAY 2 1966

HELIOCENTRIC CONIC

DISTANCE 355.441

RL 147.10 LAL -.00 LOL 105.23 VL 28.350 GAL -11.17 AZL 103.62 HCA 174.29 SMA 132.62 ECC .22141 INC13.6221 V1 30.287
 RP 108.84 LAP -1.34 LOP 279.67 VP 37.922 GAP 7.59 AZP 76.44 TAL 229.90 TAP 44.18 RCA 103.26 APO 161.98 V2 34.819
 RC 132.074 GL -45.63 GP 65.02 ZAL 127.03 ZAP 114.22 ETS 68.99 ZAE 103.08 ETE 150.23 ZAC 54.26 ETC 229.93 CLP-166.29

PLANETOCENTRIC CONIC

C3 83.971 VHL 9.164 DLA -58.20 RAL 341.97 RAD 6569.6 VEL 14.329 PTH 2.61 VHP 11.899 DPA 41.09 RAP 286.94 ECC 2.3820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.77 4 26 49 2068.26 17.83 59.79 240.45 146.39 5 1 18 1468.3 24.43 55.36
 143.23 13 49 15 5708.78 17.84 263.61 240.47 146.39 15 24 24 5108.8 24.44 259.17
 36.77 4 26 49 2068.26 17.83 59.79 240.45 146.39 5 1 18 1468.3 24.43 55.36
 143.23 13 49 15 5708.78 17.84 263.61 240.47 146.39 15 24 24 5108.8 24.44 259.17
 36.77 4 26 49 2068.26 17.83 59.79 240.45 146.39 5 1 18 1468.3 24.43 55.36
 143.23 13 49 15 5708.78 17.84 263.61 240.47 146.39 15 24 24 5108.8 24.44 259.17

DIFFERENTIAL CORRECTIONS

TDE-4.4237 TRA -.2761 TC3 -.6465 BAU .7336
 RDE -.2379 RRA -.3451 RC3 .0950 FAU .01997
 FDE -1.0571 FRA .1421 FC3 -.2059 BSP 9407
 BDE 4.4301 BRA .4420 BC3 .6535 FSP -214

MID-COURSE EXECUTION ACCURACY

SGT 3026.9 SGR 469.1 SG3 67.4
 RRT .2390 RRF -.0994 RTF .9409
 SGB 3063.0 R23 -.3393 R13 .9390
 SG1 3029.0 SG2 455.2 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 2767.9 SR 193.0 SS 681.6
 CRT .7925 CRS -.7195 CST -.9937
 LSA 2853.7 MSA 139.7 SSA 1.4
 EL1 2772.2 EL2 117.5 ALF 3.17

LAUNCH DATE JAN 6 1966

FLIGHT TIME 118.00

ARRIVAL DATE MAY 4 1966

HELIOCENTRIC CONIC

DISTANCE 360.916

RL 147.10 LAL -.00 LOL 105.23 VL 28.258 GAL -10.80 AZL 122.35 HCA 177.17 SMA 131.93 ECC .21884 INC32.3468 V1 30.287
 RP 108.86 LAP -1.51 LOP 282.83 VP 37.847 GAP 7.68 AZP 57.68 TAL 228.13 TAP 45.30 RCA 103.06 APO 160.80 V2 34.812
 RC 134.395 GL -59.74 GP 73.33 ZAL 108.03 ZAP 102.60 ETS 119.81 ZAE 84.71 ETE 194.00 ZAC 60.57 ETC 283.89 CLP 139.51

PLANETOCENTRIC CONIC

C3 295.631 VHL 17.194 DLA -60.43 RAL 19.58 RAD 6571.7 VEL 20.419 PTH 3.16 VHP 22.656 DPA 50.77 RAP 262.94 ECC 5.8653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.10 6 50 2 2301.55 5.31 69.01 286.55 150.29 7 28 24 1701.5 12.24 65.38
 145.90 16 26 8 628.33 5.32 291.61 286.57 150.29 16 36 36 28.3 12.25 287.97
 34.10 6 50 2 2301.55 5.31 69.01 286.55 150.29 7 28 24 1701.5 12.24 65.38
 145.90 16 26 8 628.33 5.32 291.61 286.57 150.29 16 36 36 28.3 12.25 287.97
 34.10 6 50 2 2301.55 5.31 69.01 286.55 150.29 7 28 24 1701.5 12.24 65.38
 145.90 16 26 8 628.33 5.32 291.61 286.57 150.29 16 36 36 28.3 12.25 287.97

DIFFERENTIAL CORRECTIONS

TDE-3.8253 TRA 2.1228 TC3 -.0367 BAU .2036
 RDE -6.2936 RRA 1.7229 RC3 .0362 FAU .00199
 FDE -1.1972 FRA .5873 FC3 -.0058 BSP 9400
 BDE 7.3649 BRA 2.7340 BC3 .0515 FSP -155

MID-COURSE EXECUTION ACCURACY

SGT 1922.2 SGR 2401.5 SG3 48.6
 RRT .9369 RRF .9584 RTF .9977
 SGB 3076.0 R23 -.1509 R13 .9885
 SG1 3029.6 SG2 532.7 THA 51.74

ORBIT DETERMINATION ACCURACY

ST 1345.3 SR 2126.1 SS 814.9
 CRT .9871 CRS -.9922 CST -.9994
 LSA 2637.6 MSA 192.2 SSA .4
 EL1 2509.3 EL2 182.2 ALF 57.82

LAUNCH DATE JAN 6 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 6 1966

HELIOCENTRIC CONIC

DISTANCE 368.166

RL 147.10 LAL -0.00 LOL 105.23 VL 28.167 GAL -10.81 AZL 24.65 HCA 181.85 SMA 131.26 ECC .22186 INC65.3481 V1 30.287
 RP 108.87 LAP -1.68 LOP 286.00 VP 37.774 GAP 8.28 AZP 155.34 TAL 226.90 TAP 48.75 RCA 102.14 APO 160.38 V2 34.806
 RC 136.709 GL 52.23 GP -61.11 ZAL 99.61 ZAP 98.11 ETS 190.22 ZAE 63.98 ETE 121.50 ZAC 85.94 ETC 34.93 CLP 106.98

PLANETOCENTRIC CONIC

C31011.888 VHL 31.810 DLA 46.28 RAL 332.40 RAD 6573.0 VEL 33.663 PTH 3.50 VHP 37.830 DPA -62.10 RAP 166.47 ECC17.6531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.73 16 32 38 4924.79 .32 228.17 242.72 43.72 17 54 43 4324.8 -5.45 223.05
 128.27 0 27 4 3486.12 .33 116.22 242.70 43.72 1 25 10 2886.1 -5.44 111.10
 51.73 16 32 38 4924.79 .32 228.17 242.72 43.72 17 54 43 4324.8 -5.45 223.05
 128.27 0 27 4 3486.12 .33 116.22 242.70 43.72 1 25 10 2886.1 -5.44 111.10
 51.73 16 32 38 4924.79 .32 228.17 242.72 43.72 17 54 43 4324.8 -5.45 223.05
 128.27 0 27 4 3486.12 .33 116.22 242.70 43.72 1 25 10 2886.1 -5.44 111.10

DIFFERENTIAL CORRECTIONS

TDE-1.0180 TRA 2.3654 TC3 -.0592 BAU 2.4497
 RD-13.7184 RRA 3.2494 RC3 -.1711 FAU-.03331
 FDE 2.5928 FRA -.4904 FC3 .0285 BSP 7558
 BDE13.7562 BRA 4.0192 BC3 .1811 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 745.2 SGR 2829.9 SG3 44.7
 RRT .6567 RRF -.9976 RTF -.6039
 SGB 2926.4 R23 -.1025 R13 -.9947
 SG1 2873.5 SG2 553.4 TMA 79.81

ORBIT DETERMINATION ACCURACY

ST 260.7 SR 2484.2 SS 1931.6
 CRT 772.8 CRS .9998 CST .7596
 LSA 2925.2 MSA 168.3 SSA .7
 EL1 2492.4 EL2 164.9 ALF 85.34

LAUNCH DATE JAN 6 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 8 1966

HELIOCENTRIC CONIC

DISTANCE 373.243

RL 147.10 LAL -0.00 LOL 105.23 VL 28.077 GAL -10.35 AZL 64.91 HCA 184.34 SMA 130.61 ECC .21834 INC25.0905 V1 30.287
 RP 108.89 LAP -1.84 LOP 289.16 VP 37.703 GAP 8.25 AZP 115.03 TAL 224.99 TAP 49.33 RCA 102.09 APO 159.13 V2 34.801
 RC 139.015 GL 58.02 GP -69.28 ZAL 111.53 ZAP 110.70 ETS 258.20 ZAE 93.01 ETE 184.26 ZAC 84.83 ETC 101.60 CLP 177.33

PLANETOCENTRIC CONIC

C3 190.663 VHL 13.808 DLA 42.63 RAL 309.18 RAD 6571.0 VEL 17.663 PTH 2.98 VHP 15.056 DPA -84.86 RAP 58.67 ECC 4.1378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.70 15 19 15 4716.46 -6.95 216.31 211.58 47.84 16 37 52 4116.5 -12.28 210.66
 123.30 22 31 17 3378.99 -6.94 113.58 211.57 47.83 23 27 36 2779.0 -12.26 107.93
 56.70 15 19 15 4716.46 -6.95 216.31 211.58 47.84 16 37 52 4116.5 -12.28 210.66
 123.30 22 31 17 3378.99 -6.94 113.58 211.57 47.83 23 27 36 2779.0 -12.26 107.93
 56.70 15 19 15 4716.46 -6.95 216.31 211.58 47.84 16 37 52 4116.5 -12.28 210.66
 123.30 22 31 17 3378.99 -6.94 113.58 211.57 47.83 23 27 36 2779.0 -12.26 107.93

DIFFERENTIAL CORRECTIONS

TDE 4.8481 TRA-3.4245 TC3 -.1412 BAU .3646
 RDE-2.1630 RRA 2.8051 RC3 .0229 FAU .01238
 FDE 1.2735 FRA -.6939 FC3 -.0562 BSP 10483
 BDE 5.3087 BRA 4.4267 BC3 .1431 FSP -196

MID-COURSE EXECUTION ACCURACY

SGT 2815.8 SGR 1820.0 SG3 58.4
 RRT -.9533 RRF -.8971 RTF .9878
 SGB 3352.8 R23 -.2346 R13 -.9709
 SG1 3320.2 SG2 466.1 TMA 147.64

ORBIT DETERMINATION ACCURACY

ST 2093.5 SR 1015.3 SS 704.2
 CRT -.9789 CRS .9643 CST -.9981
 LSA 2422.7 MSA 199.3 SSA .1.3
 EL1 2319.1 EL2 187.5 ALF 154.43

LAUNCH DATE JAN 6 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 10 1966

HELIOCENTRIC CONIC

DISTANCE 378.842

RL 147.10 LAL -0.00 LOL 105.23 VL 27.989 GAL -9.99 AZL 74.26 HCA 187.37 SMA 129.98 ECC .21660 INC15.7429 V1 30.287
 RP 108.90 LAP -1.99 LOP 292.32 VP 37.633 GAP 8.37 AZP 105.62 TAL 223.22 TAP 50.59 RCA 101.83 APO 158.13 V2 34.797
 RC 141.312 GL 50.53 GP -55.95 ZAL 120.25 ZAP 122.65 ETS 284.48 ZAE 106.08 ETE 204.68 ZAC 78.66 ETC 127.85 CLP-164.48

PLANETOCENTRIC CONIC

C3 93.857 VHL 9.688 DLA 33.74 RAL 307.51 RAD 6569.8 VEL 14.670 PTH 2.66 VHP 10.011 DPA -72.51 RAP 349.40 ECC 2.5447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.84 16 24 13 4373.40 -10.66 191.03 201.16 57.80 17 37 7 3773.4 -14.84 184.45
 109.16 21 13 1 3453.10 -10.64 122.47 201.15 57.79 22 10 34 2853.1 -14.82 115.89
 70.84 16 24 13 4373.40 -10.66 191.03 201.16 57.80 17 37 7 3773.4 -14.84 184.45
 109.16 21 13 1 3453.10 -10.64 122.47 201.15 57.79 22 10 34 2853.1 -14.82 115.89
 110.00 21 59 55 3309.76 -15.36 114.28 204.12 59.08 22 55 5 2709.8 -19.34 107.43
 110.00 20 36 30 3564.73 -6.02 128.13 198.12 56.29 21 35 55 2964.7 -10.41 121.79

DIFFERENTIAL CORRECTIONS

TDE 3.1603 TRA-3.7003 TC3 -.5686 BAU .7136
 RDE -.0447 RRA .8961 RC3 .0090 FAU .02628
 FDE 1.1070 FRA -.6401 FC3 -.2424 BSP 10772
 BDE 3.1606 BRA 3.8073 BC3 .5687 FSP -265

MID-COURSE EXECUTION ACCURACY

SGT 3410.7 SGR 638.1 SG3 80.0
 RRT -.8021 RRF -.5344 RTF .9312
 SGB 3469.8 R23 -.3713 R13 -.9251
 SG1 3449.3 SG2 376.7 TMA 171.36

ORBIT DETERMINATION ACCURACY

ST 2029.2 SR 193.0 SS 578.6
 CRT -.5116 CRS .3363 CST -.9812
 LSA 2109.5 MSA 198.6 SSA 1.8
 EL1 2031.6 EL2 165.6 ALF 177.20

LAUNCH DATE JAN 6 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 12 1966

HELIOCENTRIC CONIC

DISTANCE 384.516

RL 147.10 LAL -0.00 LOL 105.23 VL 27.902 GAL -9.64 AZL 78.13 HCA 190.48 SMA 129.36 ECC .21523 INC11.8664 V1 30.287
 RP 108.92 LAP -2.14 LOP 295.48 VP 37.565 GAP 8.51 AZP 101.67 TAL 221.46 TAP 51.93 RCA 101.52 APO 157.21 V2 34.793
 RC 143.598 GL 44.38 GP -45.13 ZAL 125.52 ZAP 131.83 ETS 293.30 ZAE 113.93 ETE 206.49 ZAC 74.16 ETC 137.02 CLP-160.95

PLANETOCENTRIC CONIC

C3 65.407 VHL 8.087 DLA 27.53 RAL 308.68 RAD 6569.2 VEL 13.666 PTH 2.50 VHP 8.238 DPA -61.34 RAP 340.99 ECC 2.0764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 19 51 59 3639.03 -17.02 139.63 198.78 67.02 20 52 38 3039.0 -19.99 132.21
 90.00 17 54 35 4021.50 -5.69 161.99 193.31 62.21 19 1 37 3421.5 -9.37 155.24
 100.00 21 54 12 3245.05 -21.40 112.53 200.66 68.62 22 48 17 2645.1 -24.12 104.78
 100.00 18 35 3 3890.71 -1.55 150.11 191.02 60.14 19 39 54 3290.7 -5.51 143.56
 110.00 0 5 55 2845.20 -29.03 85.26 203.76 71.11 0 53 20 2245.2 -31.33 76.81
 110.00 18 43 46 3863.33 5.36 143.75 186.74 56.19 19 48 10 3263.3 .88 137.53

DIFFERENTIAL CORRECTIONS

TDE 2.3163 TRA-3.4294 TC3 -.9497 BAU .8306
 RDE .1793 RRA .4711 RC3 -.0181 FAU .03516
 FDE 1.0388 FRA -.5802 FC3 -.4654 BSP 11157
 BDE 2.3232 BRA 3.4616 BC3 .9499 FSP -328

MID-COURSE EXECUTION ACCURACY

SGT 3543.8 SGR 398.3 SG3 99.4
 RRT -.5508 RRF -.1285 RTF .8915
 SGB 3566.1 R23 -.4397 R13 -.8889
 SG1 3550.7 SG2 331.8 TMA 176.43

ORBIT DETERMINATION ACCURACY

ST 1835.9 SR 170.0 SS 533.3
 CRT .3709 CRS -.6110 CST -.9617
 LSA 1907.7 MSA 210.4 SSA 2.8
 EL1 1837.0 EL2 157.8 ALF 1.98

LAUNCH DATE JAN 6 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 14 1966

HELIOCENTRIC CONIC

DISTANCE 390.210

RL 147.10 LAL -1.00 LOL 105.23 VL 27.817 GAL -9.29 AZL 80.25 MCA 193.61 SMA 128.77 ECC .21407 INC 9.7548 V1 30.287
 RP 108.93 LAP -2.28 LOP 298.64 VP 37.498 GAP 8.65 AZP 99.49 TAL 219.68 TAP 53.29 RCA 101.20 APO 156.33 V2 34.790
 RC 145.874 GL 39.94 GP -37.16 ZAL 128.58 ZAP 138.59 ETS 298.66 ZAE 118.86 ETE 204.86 ZAC 71.59 ETC 142.66 CLP-160.24

PLANETOCENTRIC CONIC

C3 52.490 VHL 7.245 OLA 23.34 RAL 310.33 RAD 6568.9 VEL 13.185 PTH 2.41 VHP 7.452 DPA -52.97 RAP 338.53 ECC 1.8639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 26 35 3286.66 -24.78 116.75 198.14 75.85 22 21 22 2686.7 -26.49 108.50
 90.00 16 33 9 4266.41 2.18 175.89 187.61 61.76 17 44 15 3666.4 -1.61 169.06
 100.00 23 6 8 2965.68 -27.10 93.76 198.77 76.88 23 55 34 2365.7 -28.64 85.30
 100.00 17 36 17 4062.62 4.27 159.55 186.45 60.39 18 43 59 3462.6 .29 153.02
 110.00 0 55 2 2637.33 -32.67 70.18 200.12 79.33 1 38 59 2037.5 -33.80 61.12
 110.00 18 7 49 3963.75 9.13 149.08 183.47 56.91 19 13 52 3363.7 4.71 142.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8766 TRA-3.2199 TC3-1.2682 BAU .8901 SGT 3643.0 SGR 322.1 SG3 113.3 ST 1702.3 SR 182.4 SS 503.0
 RDE .2055 RRA .3211 RC3 -.0206 FAU .04043 RRT -.4014 RRF .0763 RTF .8862 CRT .5543 CRS -.8005 CST -.9424
 FDE .9729 FRA -.5107 FC3 -.6668 B9P 11426 SGB 3657.2 R23 -.4654 R13 -.8649 LSA 1770.7 MSA 220.0 SSA 3.9
 BOE 1.8878 BRA 3.2359 BC3 1.2684 FSP -368 SG1 3645.3 SG2 294.9 THA 177.95 EL1 1705.3 EL2 151.6 ALF 3.43

LAUNCH DATE JAN 6 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 16 1966

HELIOCENTRIC CONIC

DISTANCE 395.909

RL 147.10 LAL -1.00 LOL 105.23 VL 27.733 GAL -8.94 AZL 81.58 MCA 196.75 SMA 128.18 ECC .21309 INC 8.4231 V1 30.287
 RP 108.93 LAP -2.42 LOP 301.81 VP 37.434 GAP 8.80 AZP 98.07 TAL 217.90 TAP 54.65 RCA 100.87 APO 155.50 V2 34.787
 RC 148.138 GL 36.71 GP -31.28 ZAL 130.23 ZAP 143.62 ETS 302.70 ZAE 122.05 ETE 202.55 ZAC 70.43 ETC 146.85 CLP-160.41

PLANETOCENTRIC CONIC

C3 45.058 VHL 6.713 OLA 20.50 RAL 312.08 RAD 6568.7 VEL 12.900 PTH 2.35 VHP 7.062 DPA -46.60 RAP 338.02 ECC 1.7415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 10 38 3115.18 -27.09 104.74 196.45 81.44 23 2 33 2515.2 -28.00 96.19
 90.00 16 3 2 4361.61 5.23 181.02 185.79 62.13 17 15 44 3761.6 1.46 174.37
 100.00 23 45 24 2809.60 -29.01 82.57 196.76 82.47 24 32 13 2209.6 -29.75 73.84
 100.00 17 10 57 4142.42 6.94 163.98 184.86 60.85 18 20 0 3542.4 3.00 157.40
 110.00 1 26 10 2506.64 -33.88 60.17 197.38 85.13 2 7 57 1906.6 -34.18 50.94
 110.00 17 50 37 4018.15 11.14 152.02 182.32 57.47 18 57 35 3418.2 6.77 145.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6085 TRA-3.0629 TC3-1.5478 BAU .9324 SGT 3740.8 SGR 284.3 SG3 122.5 ST 1609.3 SR 186.7 SS 478.1
 RDE .2041 RRA .2481 RC3 -.0095 FAU .04335 RRT -.3388 RRF .1453 RTF .8503 CRT .6084 CRS -.8653 CST -.9241
 FDE .9062 FRA -.4425 FC3 -.8330 B9P 11777 SGB 3751.5 R23 -.4622 R13 -.8495 LSA 1673.8 MSA 227.7 SSA 5.2
 BOE 1.6214 BRA 3.0728 BC3 1.5479 FSP -396 SG1 3742.0 SG2 267.4 THA 178.52 EL1 1613.4 EL2 147.8 ALF 4.07

LAUNCH DATE JAN 6 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 18 1966

HELIOCENTRIC CONIC

DISTANCE 401.608

RL 147.10 LAL -1.00 LOL 105.23 VL 27.650 GAL -8.58 AZL 82.50 MCA 199.90 SMA 127.82 ECC .21226 INC 7.5026 V1 30.287
 RP 108.94 LAP -2.55 LOP 304.97 VP 37.371 GAP 8.94 AZP 97.06 TAL 216.10 TAP 56.00 RCA 100.53 APO 154.71 V2 34.786
 RC 150.590 GL 34.31 GP -26.86 ZAL 130.97 ZAP 147.46 ETS 305.97 ZAE 124.18 ETE 200.31 ZAC 70.24 ETC 150.18 CLP-160.91

PLANETOCENTRIC CONIC

C3 40.102 VHL 6.333 OLA 18.54 RAL 313.85 RAD 6568.5 VEL 12.707 PTH 2.31 VHP 6.858 DPA -41.61 RAP 338.43 ECC 1.6800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 22 3005.33 -27.96 96.82 195.28 85.31 23 29 28 2405.3 -28.31 88.17
 90.00 15 48 27 4412.72 6.85 183.90 185.23 62.46 17 2 0 3812.7 3.11 177.22
 100.00 0 15 49 2706.98 -29.69 75.02 195.42 86.39 1 0 56 2107.0 -29.88 66.22
 100.00 16 58 37 4186.30 8.38 166.43 184.40 61.20 18 8 23 3586.3 4.48 159.82
 110.00 1 48 24 2417.33 -34.18 53.22 195.62 89.24 2 28 42 1817.3 -33.90 43.98
 110.00 17 42 32 4048.72 12.25 153.69 182.09 57.84 18 50 0 3448.7 7.92 147.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4354 TRA-2.9300 TC3-1.7997 BAU .9649 SGT 3834.1 SGR 263.1 SG3 128.4 ST 1547.6 SR 190.6 SS 458.7
 RDE .2010 RRA .1990 RC3 .0074 FAU .04468 RRT -.3133 RRF .1527 RTF .8395 CRT .6388 CRS -.9023 CST -.9076
 FDE .8483 FRA -.3760 FC3 -.9646 B9P 12067 SGB 3843.1 R23 -.4389 R13 -.8389 LSA 1608.4 MSA 234.0 SSA 6.5
 BOE 1.4494 BRA 2.9367 BC3 1.7997 FSP -414 SG1 3835.0 SG2 249.8 THA 178.76 EL1 1552.4 EL2 146.2 ALF 4.54

LAUNCH DATE JAN 6 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 20 1966

HELIOCENTRIC CONIC

DISTANCE 407.305

RL 147.10 LAL -1.00 LOL 105.23 VL 27.569 GAL -8.22 AZL 83.17 MCA 203.05 SMA 127.07 ECC .21159 INC 6.8252 V1 30.287
 RP 108.94 LAP -2.67 LOP 308.13 VP 37.310 GAP 9.08 AZP 96.28 TAL 214.29 TAP 57.34 RCA 100.18 APO 153.96 V2 34.785
 RC 152.829 GL 32.48 GP -23.45 ZAL 131.07 ZAP 150.50 ETS 308.66 ZAE 125.66 ETE 198.31 ZAC 70.71 ETC 152.89 CLP-161.57

PLANETOCENTRIC CONIC

C3 36.456 VHL 6.038 OLA 17.21 RAL 315.65 RAD 6568.4 VEL 12.563 PTH 2.28 VHP 6.754 DPA -37.58 RAP 339.36 ECC 1.6000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 0 10 2929.66 -28.26 91.50 194.66 88.06 23 48 59 2329.7 -28.23 82.64
 90.00 15 42 1 4440.22 7.71 185.46 185.29 62.67 16 56 1 3840.2 3.99 178.76
 100.00 0 35 21 2635.39 -29.88 69.70 194.70 89.18 1 19 16 2035.4 -29.68 60.90
 100.00 16 53 26 4209.72 9.15 167.75 184.52 61.42 18 3 36 3609.7 5.26 161.12
 110.00 2 5 24 2353.61 -34.12 48.24 194.64 92.18 2 44 38 1753.6 -33.44 39.07
 110.00 17 39 52 4064.27 12.81 154.54 182.34 58.03 18 47 36 3464.3 8.50 148.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3160 TRA-2.8128 TC3-2.0391 BAU .9939 SGT 3928.2 SGR 252.6 SG3 132.0 ST 1505.9 SR 196.3 SS 443.6
 RDE .2003 RRA .1644 RC3 .0262 FAU .04507 RRT -.2992 RRF .1331 RTF .8321 CRT .6639 CRS -.9287 CST -.8929
 FDE .7940 FRA -.3141 FC3 -1.0702 B9P 12399 SGB 3936.4 R23 -.4014 R13 -.8316 LSA 1563.9 MSA 239.5 SSA 7.8
 BOE 1.3312 BRA 2.8176 BC3 2.0393 FSP -425 SG1 3929.0 SG2 241.0 THA 178.89 EL1 1511.6 EL2 146.3 ALF 4.99

LAUNCH DATE JAN 6 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 22 1966

HELIOCENTRIC CONIC

DISTANCE 413.000

RL 147.10 LAL -.00 LOL 105.23 VL 27.489 GAL -7.85 AZL 83.70 MCA 206.20 SMA 126.54 ECC .21108 INC 6.3031 V1 30.287
 RP 108.94 LAP -2.78 LOP 311.29 VP 37.251 GAP 9.23 AZP 95.66 TAL 212.46 TAP 58.67 RCA 99.83 APO 153.25 V2 34.784
 RC 154.855 GL 31.06 GP -20.77 ZAL 130.69 ZAP 152.97 ETS 310.89 ZAE 126.72 ETE 196.60 ZAC 71.63 ETC 155.13 CLP-162.30

PLANETOCENTRIC CONIC

C3 33.587 VHL 5.795 DLA 16.32 RAL 317.49 RAD 6568.3 VEL 12.448 PTH 2.25 VMP 6.707 DPA -34.23 RAP 340.61 ECC 1.5528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 16 5 2875.95 -28.32 87.38 194.50 90.03 24 4 1 2276.0 -28.01 78.72
 90.00 15 40 43 4452.54 8.10 186.16 185.72 62.77 16 54 55 3852.5 4.38 179.45
 100.00 0 50 31 2584.10 -29.87 65.89 194.48 91.19 1 33 35 1984.1 -29.39 57.12
 100.00 16 52 54 4219.62 9.47 168.31 184.98 61.52 18 3 13 3619.6 5.59 161.66
 110.00 2 19 2 2307.13 -33.94 44.63 194.25 94.31 2 57 30 1707.1 -32.97 35.52
 110.00 17 40 52 4069.36 13.00 154.82 182.89 58.10 18 48 41 3469.4 8.69 148.37

DIFFERENTIAL CORRECTIONS

TDE 1.2365 TRA-2.6988 TC3-2.2674 BAU 1.0183
 ROE .2022 RRA .1368 RC3 .0455 FAU .04468
 FDE .7524 FRA -2.2528 FC3-1.1517 BSP 12643
 BDE 1.2529 BRA 2.7021 BC3 2.2679 FSP -426

MID-COURSE EXECUTION ACCURACY

SGT 4016.2 SGR 250.2 SG3 133.9
 RRT -.2847 RRF .1071 RTF .8258
 SGB 4024.0 R23 -.3579 R13 -.8255
 SGI 4016.8 SGI 239.8 TMA 178.98

ORBIT DETERMINATION ACCURACY

ST 1481.9 SR 204.3 SS 434.0
 CRT .6901 CR3 -.9496 CST -.8808
 LSA 1538.3 MSA 244.4 SSA 9.0
 EL1 1488.7 EL2 147.2 ALF 5.49

LAUNCH DATE JAN 6 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 24 1966

HELIOCENTRIC CONIC

DISTANCE 418.690

RL 147.10 LAL -.00 LOL 105.23 VL 27.410 GAL -7.47 AZL 84.11 MCA 209.36 SMA 126.02 ECC .21072 INC 5.8862 V1 30.287
 RP 108.94 LAP -2.88 LOP 314.46 VP 37.193 GAP 9.37 AZP 95.13 TAL 210.62 TAP 59.98 RCA 99.47 APO 152.58 V2 34.783
 RC 157.067 GL 29.92 GP -18.62 ZAL 129.95 ZAP 155.03 ETS 312.71 ZAE 127.51 ETE 195.14 ZAC 72.87 ETC 157.02 CLP-163.06

PLANETOCENTRIC CONIC

C3 31.225 VHL 5.588 DLA 15.78 RAL 319.37 RAD 6568.2 VEL 12.353 PTH 2.23 VMP 6.697 DPA -31.36 RAP 342.07 ECC 1.5139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 28 46 2837.61 -28.28 84.57 194.71 91.44 24 16 3 2237.6 -27.78 75.94
 90.00 15 43 3 4454.15 8.15 186.26 186.40 62.79 16 57 17 3854.1 4.44 179.54
 100.00 1 2 45 2547.17 -29.79 63.15 194.65 92.63 1 45 13 1947.2 -29.11 54.41
 100.00 16 55 40 4219.82 9.48 168.32 185.69 61.52 18 6 0 3619.8 5.60 161.68
 110.00 2 30 22 2273.03 -33.74 41.98 194.31 95.86 3 8 16 1673.0 -32.56 32.95
 110.00 17 44 32 4066.73 12.90 154.68 183.66 58.07 18 52 19 3466.7 8.59 148.23

DIFFERENTIAL CORRECTIONS

TDE 1.1782 TRA-2.5909 TC3-2.4996 BAU 1.0438
 ROE .2051 RRA .1126 RC3 .0634 FAU .04411
 FDE .7135 FRA -1.1993 FC3-1.2231 BSP 12999
 BDE 1.1999 BRA 2.5933 BC3 2.5004 FSP -434

MID-COURSE EXECUTION ACCURACY

SGT 4109.0 SGR 252.2 SG3 135.2
 RRT -.2654 RRF .0798 RTF .8225
 SGB 4116.7 R23 -.3100 R13 -.8222
 SGI 4109.5 SGI 243.2 TMA 179.06

ORBIT DETERMINATION ACCURACY

ST 1467.1 SR 213.3 SS 425.6
 CRT .7158 CR3 -.9652 CST -.8711
 LSA 1522.3 MSA 247.6 SSA 10.3
 EL1 1475.1 EL2 148.2 ALF 6.00

LAUNCH DATE JAN 6 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 26 1966

HELIOCENTRIC CONIC

DISTANCE 424.371

RL 147.10 LAL -.00 LOL 105.23 VL 27.333 GAL -7.08 AZL 84.46 MCA 212.52 SMA 125.52 ECC .21053 INC 5.5436 V1 30.287
 RP 108.94 LAP -2.98 LOP 317.62 VP 37.137 GAP 9.52 AZP 94.68 TAL 208.78 TAP 61.29 RCA 99.09 APO 151.94 V2 34.786
 RC 159.265 GL 29.00 GP -16.86 ZAL 128.92 ZAP 156.81 ETS 314.20 ZAE 128.12 ETE 193.89 ZAC 74.35 ETC 158.63 CLP-163.84

PLANETOCENTRIC CONIC

C3 29.220 VHL 5.406 DLA 15.49 RAL 321.31 RAD 6568.2 VEL 12.272 PTH 2.21 VMP 6.712 DPA -28.85 RAP 343.69 ECC 1.4809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 39 10 2810.67 -28.22 82.60 195.24 92.42 24 26 0 2210.7 -27.59 74.00
 90.00 15 48 8 4447.81 7.95 185.89 187.29 62.73 17 2 16 3847.8 4.23 179.19
 100.00 1 12 56 2520.94 -29.69 61.20 195.15 93.65 1 54 57 1920.9 -28.87 52.50
 100.00 17 0 59 4212.77 9.25 167.92 186.59 61.45 18 11 12 3612.8 5.37 161.28
 110.00 2 40 6 2248.23 -33.55 40.07 194.73 96.98 3 17 34 1648.2 -32.22 31.09
 110.00 17 50 19 4058.25 12.59 154.21 184.60 57.96 18 57 57 3458.2 8.27 147.78

DIFFERENTIAL CORRECTIONS

TDE 1.0937 TRA-2.5276 TC3-2.7944 BAU 1.0920
 ROE .2058 RRA .0874 RC3 .0753 FAU .04510
 FDE .6437 FRA -1.1885 FC3-1.3361 BSP 14445
 BDE 1.1129 BRA 2.5291 BC3 2.7954 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 4266.1 SGR 251.9 SG3 139.2
 RRT -.2421 RRF .0279 RTF .8339
 SGB 4273.5 R23 -.2375 R13 -.8337
 SGI 4266.5 SGI 244.4 TMA 179.18

ORBIT DETERMINATION ACCURACY

ST 1431.0 SR 220.1 SS 398.1
 CRT .7260 CR3 -.9727 CST -.8620
 LSA 1481.6 MSA 243.7 SSA 12.1
 EL1 1440.0 EL2 150.4 ALF 6.44

LAUNCH DATE JAN 6 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 28 1966

HELIOCENTRIC CONIC

DISTANCE 430.059

RL 147.10 LAL -.00 LOL 105.23 VL 27.257 GAL -6.69 AZL 84.74 MCA 215.67 SMA 125.03 ECC .21048 INC 5.2556 V1 30.287
 RP 108.93 LAP -3.06 LOP 320.78 VP 37.083 GAP 9.67 AZP 94.27 TAL 206.91 TAP 62.58 RCA 98.71 APO 151.34 V2 34.788
 RC 161.449 GL 28.24 GP -15.40 ZAL 127.63 ZAP 158.36 ETS 315.40 ZAE 128.61 ETE 192.84 ZAC 76.01 ETC 160.02 CLP-164.61

PLANETOCENTRIC CONIC

C3 27.469 VHL 5.241 DLA 15.43 RAL 323.33 RAD 6568.1 VEL 12.200 PTH 2.19 VMP 6.742 DPA -26.61 RAP 345.42 ECC 1.4521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 47 49 2793.01 -28.16 81.31 196.04 93.07 24 34 22 2193.0 -27.44 72.72
 90.00 15 55 38 4434.63 7.54 185.14 188.36 62.62 17 9 33 3834.6 3.81 178.45
 100.00 1 21 32 2503.43 -29.61 59.91 195.94 94.32 2 3 16 1903.4 -28.69 51.22
 100.00 17 8 32 4199.44 8.81 167.17 187.68 61.32 18 18 31 3599.4 4.92 160.55
 110.00 2 48 36 2231.03 -33.40 38.75 195.47 97.75 3 25 47 1631.0 -31.97 29.81
 110.00 17 57 57 4044.60 12.10 153.46 185.71 57.78 19 5 22 3444.6 7.76 147.05

DIFFERENTIAL CORRECTIONS

TDE 1.1370 TRA-2.3491 TC3-2.9393 BAU 1.0800
 ROE .2144 RRA .0726 RC3 .0976 FAU .04151
 FDE .6684 FRA -1.0840 FC3-1.3083 BSP 13209
 BDE 1.1370 BRA 2.3502 BC3 2.9409 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 4258.5 SGR 268.6 SG3 134.5
 RRT -.2128 RRF .0551 RTF .8126
 SGB 4267.0 R23 -.2340 R13 -.8124
 SGI 4258.9 SGI 262.5 TMA 179.23

ORBIT DETERMINATION ACCURACY

ST 1480.6 SR 235.7 SS 426.6
 CRT .7774 CR3 -.9873 CST -.8621
 LSA 1538.2 MSA 252.2 SSA 12.6
 EL1 1492.0 EL2 147.1 ALF 7.12

LAUNCH DATE JAN 6 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 30 1966

HELIOCENTRIC CONIC

DISTANCE 435.734

RL 147.10 LAL -.00 LOL 105.23 VL 27.183 GAL -6.29 AZL 84.99 HCA 218.83 SMA 124.55 ECC .21061 INC 5.0086 V1 30.287
 RP 108.92 LAP -3.14 LOP 323.95 VP 37.031 GAP 9.82 ATP 93.91 TAL 205.04 TAP 63.87 RCA 98.32 APO 150.79 V2 34.791
 RC 163.619 GL 27.60 GP -14.18 ZAL 126.11 ZAP 159.74 ETS 316.32 ZAE 129.02 ETE 191.94 ZAC 77.80 ETC 161.22 CLP-165.38

PLANETOCENTRIC CONIC

C3 25.933 VHL 5.092 DLA 15.54 RAL 325.44 RAD 6568.0 VEL 12.137 PTH 2.18 VHP 6.787 DPA -24.56 RAP 347.23 ECC 1.4268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 55 12 2782.67 -28.12 80.56 197.10 93.44 24 41 35 2182.7 -27.35 71.98
 90.00 16 5 4 4416.40 6.97 184.11 189.62 62.48 17 18 40 3816.4 3.23 177.43
 100.00 1 29 1 2492.82 -29.55 59.12 196.98 94.73 2 10 34 1892.8 -28.58 50.45
 100.00 17 17 52 4181.48 8.23 166.16 188.94 61.16 18 27 33 3581.5 4.32 159.56
 110.00 2 56 15 2219.87 -33.29 37.90 196.49 98.24 3 33 15 1619.9 -31.80 28.99
 110.00 18 7 7 4027.20 11.47 152.51 186.99 57.58 19 14 14 3427.2 7.11 146.13

DIFFERENTIAL CORRECTIONS

TDE 1.1227 TRA-2.2363 TC3-3.1840 BAU 1.1045
 RDE .2185 RRA .0540 RC3 .1112 FAU .04058
 FDE .6408 FRA -.0424 FC3-1.3548 BSP 13656
 BDE 1.1438 BRA 2.2370 BC3 3.1859 FSP -420

MID-COURSE EXECUTION ACCURACY

SGT 4351.1 SGR 277.9 SG3 134.6
 RRT -.1831 RRF .0413 RTF .8137
 SGB 4360.0 R23 -.1941 R13 -.8135
 SG1 4351.4 SG2 275.2 TMA 179.33

ORBIT DETERMINATION ACCURACY

ST 1489.6 SR 246.6 SS 423.5
 CRT .8042 CRS -.9927 CST -.8610
 LSA 1548.0 MSA 250.5 SSA 13.8
 EL1 1502.9 EL2 145.3 ALF 7.65

LAUNCH DATE JAN 6 1966

FLIGHT TIME 146.00

ARRIVAL DATE JUN 1 1966

HELIOCENTRIC CONIC

DISTANCE 441.405

RL 147.10 LAL -.00 LOL 105.23 VL 27.110 GAL -5.87 AZL 85.21 HCA 221.99 SMA 124.09 ECC .21092 INC 4.7934 V1 30.287
 RP 108.91 LAP -3.20 LOP 327.12 VP 36.981 GAP 9.97 AZP 93.57 TAL 203.15 TAP 65.14 RCA 97.92 APO 150.26 V2 34.794
 RC 165.775 GL 27.04 GP -13.14 ZAL 124.38 ZAP 161.00 ETS 317.00 ZAE 129.36 ETE 191.17 ZAC 79.70 ETC 162.28 CLP-166.15

PLANETOCENTRIC CONIC

C3 24.568 VHL 4.957 DLA 15.80 RAL 327.65 RAD 6568.0 VEL 12.081 PTH 2.16 VHP 6.841 DPA -22.68 RAP 349.10 ECC 1.4043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 5 32 2778.74 -28.11 80.27 198.40 93.58 0 51 50 2178.7 -27.31 71.70
 90.00 16 16 18 4393.87 6.25 182.83 191.05 62.33 17 29 31 3793.7 2.50 176.16
 100.00 1 35 36 2488.24 -29.52 58.79 198.28 94.91 2 17 5 1888.2 -28.53 50.12
 100.00 17 28 54 4159.40 7.50 164.92 190.37 60.98 18 38 13 3559.4 3.57 158.34
 110.00 3 5 16 2213.99 -33.23 37.45 197.77 98.50 3 40 10 1614.0 -31.70 28.56
 110.00 18 17 44 4006.42 10.71 151.38 188.44 57.34 19 24 31 3406.4 6.32 145.03

DIFFERENTIAL CORRECTIONS

TDE 1.1267 TRA-2.1105 TC3-3.4218 BAU 1.1246
 RDE .2230 RRA .0372 RC3 .1239 FAU .03931
 FDE .6221 FRA .0034 FC3-1.3830 BSP 13925
 BDE 1.1486 BRA 2.1109 BC3 3.4240 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 4430.7 SGR 289.0 SG3 133.9
 RRT -.1517 RRF .0377 RTF .8131
 SGB 4440.1 R23 -.1635 R13 -.8130
 SG1 4430.9 SG2 285.6 TMA 179.43

ORBIT DETERMINATION ACCURACY

ST 1511.7 SR 258.1 SS 425.8
 CRT .8332 CRS -.9962 CST -.8631
 LSA 1572.1 MSA 247.7 SSA 15.0
 EL1 1527.1 EL2 141.3 ALF 8.17

LAUNCH DATE JAN 6 1966

FLIGHT TIME 148.00

ARRIVAL DATE JUN 3 1966

HELIOCENTRIC CONIC

DISTANCE 447.088

RL 147.10 LAL -.00 LOL 105.23 VL 27.038 GAL -5.45 AZL 85.40 HCA 225.15 SMA 123.64 ECC .21141 INC 4.6029 V1 30.287
 RP 108.90 LAP -3.26 LOP 330.28 VP 36.932 GAP 10.13 AZP 93.25 TAL 201.25 TAP 66.41 RCA 97.50 APO 149.78 V2 34.798
 RC 167.915 GL 26.55 GP -12.25 ZAL 122.46 ZAP 162.14 ETS 317.46 ZAE 129.67 ETE 190.51 ZAC 81.69 ETC 163.21 CLP-166.90

PLANETOCENTRIC CONIC

C3 23.352 VHL 4.832 DLA 16.19 RAL 329.97 RAD 6567.9 VEL 12.030 PTH 2.15 VHP 6.905 DPA -20.91 RAP 351.03 ECC 1.3843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 11 7 2780.51 -28.12 80.40 199.94 93.52 0 57 27 2180.5 -27.33 71.83
 90.00 16 29 14 4367.04 5.40 181.32 192.68 62.16 17 42 1 3767.0 1.64 174.67
 100.00 1 41 30 2489.01 -29.53 58.84 199.82 94.88 2 22 59 1889.0 -28.54 50.18
 100.00 17 41 31 4133.77 6.65 163.49 192.00 60.79 18 50 25 3533.8 2.71 156.93
 110.00 3 9 48 2212.75 -33.22 37.35 199.31 98.56 3 46 41 1612.8 -31.68 28.46
 110.00 18 29 43 3982.79 9.84 150.11 190.06 57.10 19 36 6 3382.8 5.43 145.78

DIFFERENTIAL CORRECTIONS

TDE 1.1406 TRA-1.9780 TC3-3.6622 BAU 1.1441
 RDE .2273 RRA .0216 RC3 .1350 FAU .03798
 FDE .6061 FRA .0476 FC3-1.4082 BSP 14194
 BDE 1.1630 BRA 1.9781 BC3 3.6647 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 4507.8 SGR 300.7 SG3 133.1
 RRT -.1199 RRF .0382 RTF .8131
 SGB 4517.8 R23 -.1371 R13 -.8131
 SG1 4508.0 SG2 298.5 TMA 179.54

ORBIT DETERMINATION ACCURACY

ST 1541.7 SR 269.7 SS 429.5
 CRT .8616 CRS -.9974 CST -.8678
 LSA 1604.6 MSA 243.2 SSA 16.1
 EL1 1559.2 EL2 135.4 ALF 8.64

LAUNCH DATE JAN 6 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 5 1966

HELIOCENTRIC CONIC

DISTANCE 452.725

RL 147.10 LAL -.00 LOL 105.23 VL 26.968 GAL -5.02 AZL 85.57 HCA 228.31 SMA 123.20 ECC .21209 INC 4.4323 V1 30.287
 RP 108.89 LAP -3.31 LOP 333.45 VP 36.885 GAP 10.29 AZP 92.95 TAL 199.35 TAP 67.66 RCA 97.07 APO 149.33 V2 34.803
 RC 170.040 GL 26.10 GP -11.48 ZAL 120.36 ZAP 163.20 ETS 317.71 ZAE 129.94 ETE 189.93 ZAC 83.74 ETC 164.03 CLP-167.65

PLANETOCENTRIC CONIC

C3 22.271 VHL 4.719 DLA 16.69 RAL 332.42 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 6.977 DPA -19.25 RAP 353.00 ECC 1.3665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 16 3 2787.49 -28.14 80.91 201.71 93.27 1 2 31 2187.5 -27.39 72.33
 90.00 16 43 48 4336.99 4.45 179.64 194.52 62.01 17 56 5 3737.0 .67 172.99
 100.00 1 46 51 2494.66 -29.56 59.26 201.60 94.66 2 28 26 1894.7 -28.60 50.59
 100.00 17 55 40 4105.05 5.69 161.90 193.84 60.61 19 4 5 3505.1 1.73 155.35
 110.00 3 16 0 2215.74 -33.25 37.58 201.10 98.43 3 52 56 1615.7 -31.73 28.68
 110.00 18 43 1 3956.74 8.87 148.71 191.89 56.85 19 48 58 3356.7 4.44 142.41

DIFFERENTIAL CORRECTIONS

TDE 1.1637 TRA-1.8378 TC3-3.9033 BAU 1.1630
 RDE .2316 RRA .0072 RC3 .1444 FAU .03663
 FDE .5925 FRA .0903 FC3-1.4241 BSP 14448
 BDE 1.1865 BRA 1.8379 BC3 3.9060 FSP -414

MID-COURSE EXECUTION ACCURACY

SGT 4582.0 SGR 312.6 SG3 132.1
 RRT -.0880 RRF .0422 RTF .8139
 SGB 4592.7 R23 -.1146 R13 -.8139
 SG1 4582.1 SG2 311.4 TMA 179.65

ORBIT DETERMINATION ACCURACY

ST 1580.0 SR 281.3 SS 434.8
 CRT .8887 CRS -.9968 CST -.8746
 LSA 1645.7 MSA 236.7 SSA 17.3
 EL1 1599.8 EL2 127.4 ALF 9.05

LAUNCH DATE JAN 6 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 7 1966

HELIOCENTRIC CONIC

DISTANCE 458.374

RL 147.10 LAL -0.00 LOL 105.23 VL 26.898 GAL -4.58 AZL 85.72 HCA 231.48 SMA 122.78 ECC .21296 INC 4.2776 V1 30.287
 RP 108.87 LAP -3.35 LOP 336.62 VP 36.839 GAP 10.46 AZP 92.67 TAL 197.44 TAP 68.91 RCA 96.63 APO 148.93 V2 34.808
 RC 172.148 GL 25.67 GP -10.80 ZAL 118.07 ZAP 164.19 ETS 317.76 ZAE 130.20 ETE 189.43 ZAC 85.86 ETC 164.77 CLP-168.38

PLANETOCENTRIC CONIC

C3 21.314 VHL 4.617 DLA 17.29 RAL 334.99 RAD 6567.9 VEL 11.945 PTH 2.13 VMP 7.055 DPA -17.66 RAP 355.00 ECC 1.3508
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 20 28 2799.37 -28.19 81.78 203.73 92.83 1 7 7 2199.4 -27.50 73.18
 90.00 16 59 57 4303.90 5.39 177.78 196.58 61.87 18 11 41 3703.9 -4.40 171.15
 100.00 1 51 47 2504.86 -29.61 60.01 203.63 94.27 2 33 32 1904.9 -28.71 51.33
 100.00 18 11 19 4073.63 4.64 180.16 195.89 60.44 19 19 13 3473.6 -1.67 153.63
 110.00 3 22 0 2222.64 -33.32 38.11 203.16 98.12 3 59 2 1622.6 -31.84 29.19
 110.00 18 57 36 3928.62 7.82 147.21 193.93 56.62 20 3 5 3328.6 3.37 140.94

DIFFERENTIAL CORRECTIONS

TOE 1.1972 TRA-1.6877 TC3-4.1381 BAU 1.1799
 RDE .2359 RRA -.0060 RC3 .1522 FAU .03518
 FDE .5822 FRA .1333 FC3-1.4290 BSP 14648
 BOE 1.2202 BRA 1.6877 BC3 4.1409 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 4649.5 SGR 324.8 SG3 130.8
 RRT -.0562 RRF .0504 RTF .8145
 SGB 4660.9 R23 -.0966 R13 -.8145
 SG1 4649.6 SG2 324.3 TMA 179.77

ORBIT DETERMINATION ACCURACY

ST 1629.0 SR 292.8 SS 442.3
 CRT .9141 CRS -.9944 CST -.8833
 LSA 1697.8 MSA 228.6 SSA 18.5
 EL1 1651.0 EL2 117.1 ALF 9.38

LAUNCH DATE JAN 6 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 9 1966

HELIOCENTRIC CONIC

DISTANCE 464.014

RL 147.10 LAL -0.00 LOL 105.23 VL 26.830 GAL -4.12 AZL 85.86 HCA 234.64 SMA 122.37 ECC .21404 INC 4.1359 V1 30.287
 RP 108.85 LAP -3.37 LOP 339.80 VP 36.796 GAP 10.63 AZP 92.40 TAL 195.51 TAP 70.15 RCA 96.18 APO 148.56 V2 34.814
 RC 174.239 GL 25.25 GP -10.21 ZAL 115.60 ZAP 165.11 ETS 317.60 ZAE 130.43 ETE 189.00 ZAC 88.02 ETC 165.42 CLP-169.11

PLANETOCENTRIC CONIC

C3 20.477 VHL 4.525 DLA 17.97 RAL 337.72 RAD 6567.8 VEL 11.910 PTH 2.12 VMP 7.141 DPA -16.13 RAP 357.03 ECC 1.3370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 24 26 2815.92 -28.24 82.99 206.01 92.23 1 11 22 2215.9 -27.63 74.37
 90.00 17 17 42 4268.12 2.24 175.78 198.88 61.76 18 28 51 3668.1 -1.56 169.15
 100.00 1 56 24 2519.38 -29.68 61.09 205.92 93.71 2 38 23 1919.4 -28.85 52.38
 100.00 18 28 26 4039.88 3.50 158.30 198.18 60.29 19 35 46 3439.9 -4.48 151.78
 110.00 3 27 52 2233.21 -33.42 38.92 205.49 97.65 4 5 5 1633.2 -32.00 29.98
 110.00 19 15 28 3898.82 6.70 145.63 196.20 56.40 20 18 26 3298.8 2.24 139.38

DIFFERENTIAL CORRECTIONS

TOE 1.2356 TRA-1.5315 TC3-4.3723 BAU 1.1977
 RDE .2400 RRA -.0180 RC3 .1577 FAU .03380
 FDE .5716 FRA .1737 FC3-1.4292 BSP 14891
 BOE 1.2587 BRA 1.5316 BC3 4.3752 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 4718.2 SGR 336.6 SG3 129.6
 RRT -.0254 RRF .0590 RTF .8165
 SGB 4730.2 R23 -.0799 R13 -.8165
 SG1 4718.2 SG2 336.5 TMA 179.90

ORBIT DETERMINATION ACCURACY

ST 1684.0 SR 304.0 SS 449.2
 CRT .9363 CRS -.9906 CST -.8927
 LSA 1755.5 MSA 218.9 SSA 19.7
 EL1 1708.0 EL2 105.3 ALF 9.63

LAUNCH DATE JAN 6 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 11 1966

HELIOCENTRIC CONIC

DISTANCE 469.644

RL 147.10 LAL -0.00 LOL 105.23 VL 26.764 GAL -3.66 AZL 86.00 HCA 237.81 SMA 121.96 ECC .21533 INC 4.0048 V1 30.287
 RP 108.83 LAP -3.39 LOP 342.97 VP 36.753 GAP 10.81 AZP 92.14 TAL 193.58 TAP 71.39 RCA 95.70 APO 148.23 V2 34.821
 RC 176.312 GL 24.81 GP -9.70 ZAL 112.95 ZAP 165.98 ETS 317.24 ZAE 130.66 ETE 188.62 ZAC 90.23 ETC 166.01 CLP-169.82

PLANETOCENTRIC CONIC

C3 19.756 VHL 4.445 DLA 18.72 RAL 340.59 RAD 6567.8 VEL 11.880 PTH 2.11 VMP 7.234 DPA -14.66 RAP 359.09 ECC 1.3251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 28 3 2837.00 -28.28 84.53 208.54 91.46 1 15 20 2237.0 -27.78 75.90
 90.00 17 37 2 4229.97 1.01 173.65 201.44 61.70 18 47 32 3630.0 -2.78 167.02
 100.00 2 0 46 2538.05 -29.76 62.47 208.48 92.98 2 43 4 1938.0 -29.03 53.74
 100.00 18 47 1 4004.15 2.30 156.34 200.72 60.19 19 53 45 3404.2 -1.69 149.81
 110.00 3 33 42 2247.25 -33.54 40.00 208.09 97.02 4 11 9 1647.3 -32.21 31.02
 110.00 19 30 34 3867.71 5.52 143.98 198.71 56.21 20 35 1 3267.7 1.05 137.76

DIFFERENTIAL CORRECTIONS

TOE 1.2805 TRA-1.3688 TC3-4.5972 BAU 1.2150
 RDE .2443 RRA -.0289 RC3 .1611 FAU .03243
 FDE .5619 FRA .2128 FC3-1.4212 BSP 15142
 BOE 1.3038 BRA 1.3671 BC3 4.6001 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 4784.0 SGR 348.1 SG3 128.3
 RRT .0047 RRF .0692 RTF .8193
 SGB 4796.7 R23 .0653 R13 .8193
 SG1 4784.0 SG2 348.1 TMA .02

ORBIT DETERMINATION ACCURACY

ST 1746.8 SR 315.1 SS 456.6
 CRT .9552 CRS -.9856 CST -.9026
 LSA 1820.8 MSA 208.0 SSA 20.9
 EL1 1772.6 EL2 91.9 ALF 9.80

LAUNCH DATE JAN 6 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 13 1966

HELIOCENTRIC CONIC

DISTANCE 475.265

RL 147.10 LAL -0.00 LOL 105.23 VL 26.698 GAL -3.18 AZL 86.12 HCA 240.97 SMA 121.57 ECC .21686 INC 3.8826 V1 30.287
 RP 108.81 LAP -3.39 LOP 346.14 VP 36.713 GAP 11.00 AZP 91.89 TAL 191.65 TAP 72.62 RCA 95.21 APO 147.94 V2 34.828
 RC 178.366 GL 24.36 GP -9.23 ZAL 110.14 ZAP 166.80 ETS 316.66 ZAE 130.88 ETE 188.30 ZAC 92.47 ETC 166.54 CLP-170.53

PLANETOCENTRIC CONIC

C3 19.152 VHL 4.376 DLA 19.53 RAL 343.63 RAD 6567.8 VEL 11.855 PTH 2.10 VMP 7.335 DPA -13.23 RAP 1.17 ECC 1.3152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 31 22 2862.51 -28.31 86.39 211.34 90.52 1 19 4 2262.5 -27.94 77.75
 90.00 17 57 57 4189.76 -2.29 171.41 204.27 61.68 19 7 47 3589.8 -4.07 164.77
 100.00 2 4 57 2560.71 -29.83 64.15 211.30 92.10 2 47 38 1960.7 -29.22 55.40
 100.00 19 7 3 3966.79 1.03 154.28 203.53 60.12 20 13 9 3366.8 -2.95 147.76
 110.00 3 39 36 2264.59 -33.68 41.33 210.97 96.25 4 17 21 1664.6 -32.45 32.31
 110.00 19 48 53 3835.67 4.31 142.30 201.49 56.06 20 52 49 3235.7 -1.18 136.09

DIFFERENTIAL CORRECTIONS

TOE 1.3352 TRA-1.1891 TC3-4.7999 BAU 1.2297
 RDE .2489 RRA -.0383 RC3 .1625 FAU .03096
 FDE .5551 FRA .2536 FC3-1.3994 BSP 15301
 BOE 1.3582 BRA 1.1897 BC3 4.8026 FSP -398

MID-COURSE EXECUTION ACCURACY

SGT 4840.9 SGR 359.5 SG3 126.8
 RRT .0345 RRF .0832 RTF .8215
 SGB 4854.2 R23 .0547 R13 .8215
 SG1 4840.9 SG2 359.5 TMA .15

ORBIT DETERMINATION ACCURACY

ST 1821.3 SR 326.3 SS 466.0
 CRT .9710 CRS -.9794 CST -.9130
 LSA 1897.8 MSA 196.7 SSA 22.1
 EL1 1848.7 EL2 76.9 ALF 9.88

LAUNCH DATE JAN 6 1966

FLIGHT TIME 160.00

ARRIVAL DATE JUN 15 1966

HELIOCENTRIC CONIC

DISTANCE 480.872

RL 147.10 LAL -0.00 LOL 105.23 VL 26.634 GAL -2.69 AZL 86.23 MCA 244.14 SMA 121.19 ECC .21862 INC 3.7675 V1 30.287
 RP 108.78 LAP -3.39 LOP 349.32 VP 36.673 GAP 11.20 AZP 91.65 TAL 189.70 TAP 73.84 RCA 94.70 APO 147.69 V2 34.836
 RC 180.400 GL 23.87 GP -8.82 ZAL 107.16 ZAP 167.58 ETS 315.87 ZAE 131.09 ETE 188.01 ZAC 94.74 ETC 167.01 CLP-171.23

PLANETOCENTRIC CONIC

C3 18.668 VHL 4.321 DLA 20.39 RAL 346.83 RAD 6567.8 VEL 11.834 PTH 2.10 VHP 7.442 DPA -11.84 RAP 3.26 ECC 1.3072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 34 26 2892.33 -28.31 88.57 214.42 89.43 1 22 38 2292.3 -28.09 79.92
 90.00 18 20 25 4147.88 -1.64 169.07 207.39 61.73 19 29 33 3547.9 -5.41 162.42
 100.00 2 9 3 2587.19 -29.88 66.12 214.41 91.06 2 52 11 1987.2 -29.41 57.35
 100.00 19 28 29 3928.25 -1.28 152.17 206.63 60.11 20 33 57 3328.2 -4.25 145.64
 110.00 3 45 38 2285.02 -33.82 42.91 214.15 95.32 4 23 43 1685.0 -32.71 33.85
 110.00 20 6 23 3803.19 3.07 140.60 204.54 55.94 21 11 46 3203.2 -1.42 134.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3918 TRA-1.0054 TC3-4.9881 BAU 1.2456 SGT 4899.9 SGR 370.1 SCS 125.3 ST 1898.7 SR 337.1 SS 473.6
 RDE .2538 RRA -.0466 RC3 .1612 FAU .02959 RRT .0630 RRF .0964 RTF .8254 CRT .9826 CRS -.9724 CST -.9227
 FDE .5469 FRA .2913 FC3-1.3723 BSP 15528 SGB 4913.9 R23 .0441 R13 .8254 LSA 1977.0 MSA 184.9 SSA 23.4
 BDE 1.4147 BRA 1.0065 BC3 4.9908 FSP -395 SGI 4900.0 SGI 369.4 THA .27 ELI 1927.4 EL2 61.6 ALF 9.91

LAUNCH DATE JAN 6 1966

FLIGHT TIME 162.00

ARRIVAL DATE JUN 17 1966

HELIOCENTRIC CONIC

DISTANCE 486.467

RL 147.10 LAL -0.00 LOL 105.23 VL 26.571 GAL -2.18 AZL 86.34 MCA 247.31 SMA 120.82 ECC .22064 INC 3.6584 V1 30.287
 RP 108.76 LAP -3.37 LOP 352.49 VP 36.636 GAP 11.40 AZP 91.41 TAL 187.76 TAP 75.07 RCA 94.16 APO 147.48 V2 34.845
 RC 182.414 GL 23.33 GP -8.46 ZAL 104.02 ZAP 168.32 ETS 314.83 ZAE 131.29 ETE 187.75 ZAC 97.04 ETC 167.44 CLP-171.92

PLANETOCENTRIC CONIC

C3 18.308 VHL 4.279 DLA 21.27 RAL 350.20 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 7.558 DPA -10.48 RAP 5.38 ECC 1.3013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 37 18 2926.35 -28.26 91.06 217.77 88.18 1 26 4 2326.3 -28.22 82.40
 90.00 18 44 25 4104.71 -3.03 166.66 210.81 61.83 19 52 50 3504.7 -6.78 159.98
 100.00 2 13 8 2617.31 -29.89 68.36 217.80 89.89 2 56 45 2017.3 -29.59 59.57
 100.00 19 51 16 3888.97 -1.61 150.02 210.02 60.15 20 56 5 3289.0 -5.57 143.47
 110.00 3 51 54 2308.29 -33.95 44.72 217.62 94.26 4 30 23 1708.3 -32.99 35.61
 110.00 20 28 58 3770.76 1.83 138.91 207.87 55.86 21 31 49 3170.8 -2.66 132.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4521 TRA -.8119 TC3-5.1497 BAU 1.2610 SGT 4956.1 SGR 380.2 SCS 123.7 ST 1980.2 SR 347.9 SS 480.5
 RDE .2592 RRA -.0534 RC3 .1575 FAU .02825 RRT .0906 RRF .1182 RTF .8298 CRT .9907 CRS -.9646 CST -.9316
 FDE .5386 FRA .3289 FC3-1.3361 BSP 15751 SGB 4970.6 R23 .0348 R13 .8299 LSA 2059.7 MSA 173.6 SSA 24.6
 BDE 1.4751 BRA .8136 BC3 5.1521 FSP -393 SGI 4956.2 SGI 378.6 THA .40 ELI 2009.9 EL2 46.7 ALF 9.88

LAUNCH DATE JAN 6 1966

FLIGHT TIME 164.00

ARRIVAL DATE JUN 19 1966

HELIOCENTRIC CONIC

DISTANCE 492.046

RL 147.10 LAL -0.00 LOL 105.23 VL 26.509 GAL -1.66 AZL 86.45 MCA 250.48 SMA 120.46 ECC .22293 INC 3.5543 V1 30.287
 RP 108.73 LAP -3.35 LOP 355.67 VP 36.599 GAP 11.62 AZP 91.19 TAL 185.81 TAP 76.29 RCA 93.61 APO 147.31 V2 34.854
 RC 184.407 GL 22.73 GP -8.13 ZAL 100.75 ZAP 169.03 ETS 313.54 ZAE 131.49 ETE 187.53 ZAC 99.36 ETC 167.81 CLP-172.60

PLANETOCENTRIC CONIC

C3 18.076 VHL 4.252 DLA 22.16 RAL 353.73 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 7.682 DPA -9.16 RAP 7.51 ECC 1.2975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 0 2964.43 -28.15 93.84 221.38 86.79 1 29 25 2364.4 -28.30 85.18
 90.00 19 9 52 4060.69 -4.44 164.20 214.55 62.01 20 17 33 3460.7 -8.16 157.48
 100.00 2 17 16 2650.83 -29.86 70.85 221.46 88.58 3 1 27 2050.8 -29.74 62.05
 100.00 20 15 18 3849.52 -2.94 147.85 213.72 60.24 21 19 27 3249.5 -6.88 141.28
 110.00 3 58 30 2334.13 -34.06 46.72 221.39 93.08 4 37 24 1734.1 -33.26 37.58
 110.00 20 50 33 3738.98 .82 137.25 211.49 55.82 21 52 52 3139.0 -3.87 131.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5156 TRA -.6079 TC3-5.2758 BAU 1.2755 SGT 5008.0 SGR 389.6 SCS 122.1 ST 2084.0 SR 358.6 SS 486.4
 RDE .2654 RRA -.0588 RC3 .1514 FAU .02691 RRT .1172 RRF .1251 RTF .8345 CRT .9955 CRS -.9562 CST -.9395
 FDE .5302 FRA .3664 FC3-1.2889 BSP 15966 SGB 5023.1 R23 .0269 R13 .8346 LSA 2144.2 MSA 163.4 SSA 25.7
 BDE 1.5386 BRA .6108 BC3 5.2780 FSP -390 SGI 5008.2 SGI 386.9 THA .53 ELI 2094.6 EL2 33.6 ALF 9.81

LAUNCH DATE JAN 6 1966

FLIGHT TIME 166.00

ARRIVAL DATE JUN 21 1966

HELIOCENTRIC CONIC

DISTANCE 497.608

RL 147.10 LAL -0.00 LOL 105.23 VL 26.448 GAL -1.12 AZL 86.55 MCA 253.65 SMA 120.11 ECC .22552 INC 3.4540 V1 30.287
 RP 108.70 LAP -3.31 LOP 358.85 VP 36.564 GAP 11.86 AZP 90.97 TAL 183.85 TAP 77.51 RCA 93.02 APO 147.19 V2 34.863
 RC 186.379 GL 22.07 GP -7.83 ZAL 97.34 ZAP 169.69 ETS 311.97 ZAE 131.69 ETE 187.34 ZAC 101.70 ETC 168.14 CLP-173.28

PLANETOCENTRIC CONIC

C3 17.982 VHL 4.241 DLA 23.05 RAL 357.42 RAD 6567.7 VEL 11.805 PTH 2.09 VHP 7.814 DPA -7.85 RAP 9.66 ECC 1.2959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 42 37 3006.37 -27.95 96.89 225.27 85.28 1 32 43 2406.4 -28.31 88.25
 90.00 19 36 42 4016.31 -5.86 161.70 218.59 62.25 20 43 38 3416.3 -9.53 154.94
 100.00 2 21 32 2687.42 -29.77 73.57 225.40 87.15 3 6 19 2087.4 -29.85 64.76
 100.00 20 40 27 3810.49 -4.26 145.70 217.71 60.38 21 43 58 3210.5 -8.17 139.10
 110.00 4 9 30 2382.17 -34.14 48.91 225.45 91.78 4 44 52 1762.2 -33.52 39.72
 110.00 21 12 59 3708.51 -.55 135.66 215.40 55.82 22 14 48 3108.5 -5.03 129.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5856 TRA -.3886 TC3-5.3491 BAU 1.2864 SGT 5049.4 SGR 398.6 SCS 120.3 ST 2153.5 SR 369.4 SS 493.5
 RDE .2726 RRA -.0624 RC3 .1434 FAU .02547 RRT .1440 RRF .1437 RTF .8386 CRT .9973 CRS -.9473 CST -.9469
 FDE .5241 FRA .4058 FC3-1.2260 BSP 16059 SGB 5065.1 R23 .0225 R13 .8386 LSA 2234.4 MSA 155.0 SSA 26.5
 BDE 1.6088 BRA .3936 BC3 5.3510 FSP -382 SGI 5049.7 SGI 394.4 THA .66 ELI 2184.8 EL2 26.7 ALF 9.71

LAUNCH DATE JAN 6 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 23 1966

HELIOCENTRIC CONIC

DISTANCE 503.150

RL 147.10 LAL -0.00 LOL 105.23 VL 26.388 GAL -.56 AZL 86.64 MCA 256.83 SMA 119.77 ECC .22841 INC 3.3569 V1 30.287
 RP 108.67 LAP -3.27 LOP 2.03 VP 36.531 GAP 12.10 AZP 90.77 TAL 181.90 TAP 78.73 RCA 92.41 APO 147.12 V2 34.873
 RC 188.330 GL 21.34 GP -7.57 ZAL 93.83 ZAP 170.33 ETS 310.08 ZAE 131.89 ETE 187.17 ZAC 104.06 ETC 168.43 CLP-173.96

PLANETOCENTRIC CONIC

C3 18.036 VHL 4.247 DLA 23.90 RAL 1.25 RAD 6567.7 VEL 11.808 PTH 2.09 VMP 7.957 DPA -6.58 RAP 11.82 ECC 1.2968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 45 10 3051.87 -27.65 100.19 229.39 83.65 1 36 2 2451.9 -28.24 91.57
 90.00 20 4 43 3972.20 -7.25 159.21 222.93 62.55 21 10 55 3372.2 -10.87 152.40
 100.00 2 26 2 2726.62 -29.60 76.47 229.60 85.63 3 11 29 2126.6 -29.89 67.68
 100.00 21 6 31 3772.68 -5.53 143.61 222.00 60.58 22 9 24 3172.7 -9.41 136.97
 110.00 4 13 0 2391.96 -34.18 51.24 229.79 90.41 4 52 52 1792.0 -33.75 42.02
 110.00 21 36 2 3680.10 -1.63 134.18 219.58 55.85 22 37 23 3080.1 -6.10 127.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6494 TRA -1.846 TC3-5.3904 BAU 1.3001 SGT 5096.4 SGR 406.3 SG3 118.5 ST 2230.8 SR 379.6 SS 495.4
 RDE .2806 RRA -.0649 RC3 .1323 FAU .02423 RRT .1691 RRF .1591 RTF .8454 CRT .9966 CRS -.9380 CST -.9530
 FDE .5137 FRA .4413 FC3-1.1639 BSP 16293 SGB 5112.6 R23 .0155 R13 .8454 LSA 2311.5 MSA 148.2 SSA 27.0
 BDE 1.6731 BRA .1770 BC3 5.3920 FSP -382 SGI 5096.9 SG2 400.4 TMA .78 EL1 2262.6 EL2 30.9 ALF 9.63

LAUNCH DATE JAN 6 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 25 1966

HELIOCENTRIC CONIC

DISTANCE 508.668

RL 147.10 LAL -0.00 LOL 105.23 VL 26.329 GAL .02 AZL 86.74 MCA 260.01 SMA 119.43 ECC .23164 INC 3.2623 V1 30.287
 RP 108.63 LAP -3.21 LOP 5.22 VP 36.498 GAP 12.37 AZP 90.57 TAL 179.95 TAP 79.95 RCA 91.77 APO 147.10 V2 34.884
 RC 190.259 GL 20.53 GP -7.32 ZAL 90.23 ZAP 170.92 ETS 307.84 ZAE 132.08 ETE 187.02 ZAC 106.43 ETC 168.68 CLP-174.63

PLANETOCENTRIC CONIC

C3 18.249 VHL 4.272 DLA 24.71 RAL 5.21 RAD 6567.7 VEL 11.817 PTH 2.09 VMP 8.110 DPA -5.32 RAP 13.99 ECC 1.3003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 43 3100.64 -27.84 103.70 233.74 81.94 1 39 24 2500.6 -28.07 95.13
 90.00 20 33 46 3928.91 -8.60 156.74 227.57 62.92 21 39 15 3328.9 -12.16 149.88
 100.00 2 30 54 2767.96 -29.35 79.51 234.04 84.05 3 17 2 2168.0 -29.86 70.75
 100.00 21 33 16 3736.82 -6.72 141.62 226.56 60.81 22 35 33 3136.8 -10.57 134.94
 110.00 4 21 9 2423.05 -34.17 53.66 234.38 88.97 5 1 32 1823.1 -33.93 44.43
 110.00 21 59 31 3654.50 -2.61 132.84 224.02 55.90 23 0 25 3054.5 -7.07 126.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7483 TRA .0986 TC3-5.3067 BAU 1.2950 SGT 5106.4 SGR 418.1 SG3 116.0 ST 2349.2 SR 393.5 SS 529.6
 RDE .2926 RRA -.0637 RC3 .1275 FAU .02117 RRT .1934 RRF .2146 RTF .8299 CRT .9937 CRS -.9316 CST -.9611
 FDE .5384 FRA .5004 FC3-1.0043 BSP 15580 SGB 5123.5 R23 .0541 R13 .8299 LSA 2435.5 MSA 148.1 SSA 27.3
 BDE 1.7726 BRA .1174 BC3 5.3082 FSP -300 SGI 5107.1 SG2 410.1 TMA .91 EL1 2381.6 EL2 43.4 ALF 9.45

LAUNCH DATE JAN 6 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 27 1966

HELIOCENTRIC CONIC

DISTANCE 514.164

RL 147.10 LAL -0.00 LOL 105.23 VL 26.272 GAL .62 AZL 86.83 MCA 263.19 SMA 119.11 ECC .23523 INC 3.1694 V1 30.287
 RP 108.60 LAP -3.15 LOP 8.40 VP 36.467 GAP 12.65 AZP 90.38 TAL 178.00 TAP 81.18 RCA 91.09 APO 147.13 V2 34.895
 RC 192.167 GL 19.66 GP -7.10 ZAL 86.58 ZAP 171.48 ETS 305.20 ZAE 132.27 ETE 186.89 ZAC 108.81 ETC 168.89 CLP-175.29

PLANETOCENTRIC CONIC

C3 18.636 VHL 4.317 DLA 25.45 RAL 9.27 RAD 6567.8 VEL 11.833 PTH 2.10 VMP 8.275 DPA -4.09 RAP 16.17 ECC 1.3067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 50 23 3151.90 -26.69 107.35 238.28 80.18 1 42 55 2551.9 -27.78 98.85
 90.00 21 3 27 3887.49 -9.87 154.37 232.47 63.33 22 8 15 3287.5 -13.38 147.44
 100.00 2 36 17 2810.49 -29.01 82.63 238.68 82.44 3 23 8 2210.5 -29.75 73.90
 100.00 22 0 14 3704.14 -7.81 139.79 231.36 61.05 23 1 59 3104.1 -11.61 133.07
 110.00 4 30 1 2454.68 -34.10 56.13 239.21 87.51 5 10 55 1854.7 -34.07 46.89
 110.00 22 23 1 3632.71 -3.44 131.70 228.68 55.97 23 23 33 3032.7 -7.89 125.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7769 TRA .3255 TC3-5.2984 BAU 1.3203 SGT 5168.9 SGR 420.1 SG3 114.8 ST 2356.6 SR 399.7 SS 499.0
 RDE .3004 RRA -.0643 RC3 .1073 FAU .02156 RRT .2172 RRF .1980 RTF .8555 CRT .9892 CRS -.9180 CST -.9626
 FDE .4964 FRA .5195 FC3-1.0014 BSP 16572 SGB 5185.9 R23 .0114 R13 .8555 LSA 2447.1 MSA 143.6 SSA 26.7
 BDE 1.8021 BRA .3317 BC3 5.2995 FSP -371 SGI 5169.7 SG2 410.0 TMA 1.02 EL1 2399.5 EL2 57.7 ALF 9.49

LAUNCH DATE JAN 6 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 29 1966

HELIOCENTRIC CONIC

DISTANCE 519.629

RL 147.10 LAL -0.00 LOL 105.23 VL 26.215 GAL 1.24 AZL 86.92 MCA 266.37 SMA 118.79 ECC .23922 INC 3.0777 V1 30.287
 RP 108.57 LAP -3.07 LOP 11.59 VP 36.437 GAP 12.95 AZP 90.20 TAL 176.05 TAP 82.42 RCA 90.37 APO 147.21 V2 34.906
 RC 194.054 GL 18.72 GP -6.91 ZAL 82.89 ZAP 172.00 ETS 302.11 ZAE 132.46 ETE 186.77 ZAC 111.20 ETC 169.06 CLP-175.96

PLANETOCENTRIC CONIC

C3 19.215 VHL 4.384 DLA 26.11 RAL 13.40 RAD 6567.8 VEL 11.857 PTH 2.10 VMP 8.452 DPA -2.88 RAP 18.37 ECC 1.3162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 53 16 3205.23 -26.02 111.11 242.98 78.42 1 46 42 2605.2 -27.36 102.70
 90.00 21 33 32 3848.59 -11.05 152.12 237.60 63.76 22 37 41 3248.6 -14.49 145.13
 100.00 2 42 22 2853.53 -28.58 85.76 243.51 80.85 3 29 55 2253.5 -29.55 77.09
 100.00 22 27 8 3675.52 -8.74 138.19 236.38 61.30 23 28 23 3075.5 -12.51 131.42
 110.00 4 39 42 2486.39 -33.98 58.60 244.24 86.06 5 21 9 1886.4 -34.16 49.36
 110.00 22 46 17 3615.42 -4.10 130.79 233.53 56.03 23 46 32 3015.4 -8.53 124.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8348 TRA .5908 TC3-5.1688 BAU 1.3280 SGT 5198.6 SGR 425.5 SG3 112.9 ST 2415.9 SR 408.8 SS 496.9
 RDE .3121 RRA -.0614 RC3 .0929 FAU .02028 RRT .2406 RRF .2175 RTF .8618 CRT .9832 CRS -.9070 CST -.9663
 FDE .4856 FRA .5588 FC3 -.9139 BSP 16663 SGB 5216.0 R23 .0091 R13 .8618 LSA 2495.8 MSA 145.2 SSA 25.8
 BDE 1.8612 BRA .5940 BC3 5.1696 FSP -365 SGI 5199.6 SG2 412.9 TMA 1.14 EL1 2449.2 EL2 73.6 ALF 9.45

LAUNCH DATE JAN 6 1966

FLIGHT TIME 176.00

ARRIVAL DATE JUL 1 1966

HELIOCENTRIC CONIC

DISTANCE 525.060

RL 147.10 LAL -1.00 LOL 105.23 VL 26.160 GAL 1.89 AZL 87.01 MCA 269.55 SMA 118.48 ECC .24363 INC 2.9866 V1 30.287
 RP 108.53 LAP -2.99 LOP 14.77 VP 36.409 GAP 13.27 A7P 90.02 TAL 174.11 TAP 83.66 RCA 89.62 APO 147.35 V2 34.918
 RC 195.918 GL 17.73 GP -6.72 ZAL 79.20 ZAP 172.48 ETS 298.54 ZAE 132.64 ETE 186.67 ZAC 113.60 ETC 169.19 CLP-176.63

PLANETOCENTRIC CONIC

C3 20.008 VHL 4.473 OLA 26.67 RAL 17.57 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 8.643 DPA -1.69 RAP 20.58 ECC 1.3293
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 34 3259.55 -25.22 114.89 247.82 76.68 1 50 54 2659.6 -26.81 106.58
 90.00 22 3 30 3813.43 -12.10 150.07 242.91 64.20 23 7 3 3213.4 -15.48 143.02
 100.00 2 49 22 2895.93 -28.08 88.81 248.50 79.31 3 37 38 2295.9 -29.27 80.21
 100.00 22 53 23 3652.29 -9.50 136.88 241.55 61.52 23 54 15 3052.3 -13.21 130.08
 110.00 4 50 19 2517.48 -33.81 61.01 249.44 84.64 5 32 16 1917.5 -34.18 51.79
 110.00 23 8 56 3603.50 -4.55 130.17 238.54 56.08 24 8 59 3003.5 -8.98 123.87

DIFFERENTIAL CORRECTIONS

TDE 1.8833 TRA .8674 TC3-4.9920 BAU 1.3355
 RDE .3249 RRA -.0569 RC3 .0782 FAU .01905
 FDE .4731 FRA .5989 FC3 -.8244 BSP 16792
 BDE 1.9111 BRA .8692 BC3 4.9926 FSP -360

MID-COURSE EXECUTION ACCURACY

SGT 5225.8 SGR 429.9 SG3 110.9
 RRT .2627 RRF .2367 RTF .8679
 SGB 5243.5 R23 .0076 R13 .8679
 SGI 5227.1 SG2 414.7 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 2444.7 SR 416.9 SS 492.0
 CRT .9758 CRS -.8951 CST -.9691
 LSA 2523.8 MSA 149.3 SSA 24.6
 EL1 2478.4 EL2 89.9 ALF 9.46

LAUNCH DATE JAN 6 1966

FLIGHT TIME 178.00

ARRIVAL DATE JUL 3 1966

HELIOCENTRIC CONIC

DISTANCE 530.452

RL 147.10 LAL -1.00 LOL 105.23 VL 26.105 GAL 2.57 AZL 87.10 MCA 272.73 SMA 118.18 ECC .24851 INC 2.8955 V1 30.287
 RP 108.49 LAP -2.89 LOP 17.96 VP 36.381 GAP 13.61 A7P 89.86 TAL 172.18 TAP 84.91 RCA 88.81 APO 147.55 V2 34.930
 RC 197.761 GL 16.69 GP -6.56 ZAL 75.54 ZAP 172.91 ETS 294.42 ZAE 132.81 ETE 186.57 ZAC 116.01 ETC 169.28 CLP-177.29

PLANETOCENTRIC CONIC

C3 21.039 VHL 4.587 OLA 27.13 RAL 21.74 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 8.850 DPA -.53 RAP 22.80 ECC 1.3462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 36 3313.50 -24.33 118.58 252.75 75.04 1 55 49 2713.5 -26.14 110.39
 90.00 22 32 44 3783.52 -12.98 148.31 248.36 64.61 23 35 48 3183.5 -16.30 141.20
 100.00 2 57 33 2936.46 -27.54 91.70 253.61 77.89 3 46 30 2336.5 -28.93 85.17
 100.00 23 18 28 3635.79 -10.04 135.95 246.84 61.69 24 19 4 3035.8 -13.74 129.12
 110.00 5 1 54 2547.38 -33.60 63.32 254.77 83.29 5 44 21 1947.4 -34.16 54.12
 110.00 23 30 37 3597.63 -4.78 129.86 243.64 56.11 24 30 34 2997.6 -9.19 123.56

DIFFERENTIAL CORRECTIONS

TDE 1.9237 TRA 1.1575 TC3-4.7688 BAU 1.3414
 RDE .3389 RRA -.0506 RC3 .0636 FAU .01788
 FDE .4596 FRA .6394 FC3 -.7358 BSP 16925
 BDE 1.9533 BRA 1.1586 BC3 4.7693 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 5249.0 SGR 433.2 SG3 109.0
 RRT .2843 RRF .2561 RTF .8747
 SGB 5266.8 R23 .0061 R13 .8747
 SGI 5250.4 SG2 415.2 THA 1.35

ORBIT DETERMINATION ACCURACY

ST 2455.4 SR 423.8 SS 485.1
 CRT .9672 CRS -.8823 CST -.9716
 LSA 2533.6 MSA 155.6 SSA 23.3
 EL1 2489.4 EL2 106.2 ALF 9.50

LAUNCH DATE JAN 6 1966

FLIGHT TIME 180.00

ARRIVAL DATE JUL 5 1966

HELIOCENTRIC CONIC

DISTANCE 535.799

RL 147.10 LAL -1.00 LOL 105.23 VL 26.051 GAL 3.28 AZL 87.20 MCA 275.92 SMA 117.89 ECC .25390 INC 2.8038 V1 30.287
 RP 108.45 LAP -2.79 LOP 21.15 VP 36.355 GAP 13.99 A7P 89.71 TAL 170.26 TAP 86.18 RCA 87.96 APO 147.82 V2 34.942
 RC 199.580 GL 15.62 GP -6.41 ZAL 71.93 ZAP 173.28 ETS 289.72 ZAE 132.98 ETE 186.49 ZAC 118.42 ETC 169.33 CLP-177.96

PLANETOCENTRIC CONIC

C3 22.338 VHL 4.726 OLA 27.47 RAL 25.87 RAD 6567.9 VEL 11.988 PTH 2.14 VHP 9.074 DPA .61 RAP 25.04 ECC 1.3676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 52 3364.99 -23.38 122.06 257.76 73.55 2 1 57 2765.0 -25.41 113.98
 90.00 23 0 26 3760.95 -13.64 146.98 253.88 64.94 24 3 7 3161.0 -16.91 139.83
 100.00 3 7 13 2973.85 -26.98 94.34 258.82 76.61 3 56 46 2373.8 -28.55 85.89
 100.00 23 41 47 3627.33 -10.31 135.47 252.17 61.79 24 42 15 3027.3 -14.00 128.62
 110.00 5 14 28 2575.61 -33.35 65.49 260.21 82.03 5 57 24 1975.6 -34.09 56.33
 110.00 23 51 1 3598.33 -4.75 129.90 248.79 56.11 24 51 0 2998.3 -9.17 123.60

DIFFERENTIAL CORRECTIONS

TDE 1.9589 TRA 1.4669 TC3-4.4983 BAU 1.3435
 RDE .3540 RRA -.0424 RC3 .0500 FAU .01667
 FDE .4468 FRA .6826 FC3 -.6459 BSP 16944
 BDE 1.9907 BRA 1.4675 BC3 4.4986 FSP -349

MID-COURSE EXECUTION ACCURACY

SGT 5266.5 SGR 435.6 SG3 107.1
 RRT .3061 RRF .2771 RTF .8812
 SGB 5284.5 R23 .0060 R13 .8812
 SGI 5268.2 SG2 414.6 THA 1.46

ORBIT DETERMINATION ACCURACY

ST 2453.0 SR 429.5 SS 478.2
 CRT .9572 CRS -.8687 CST -.9737
 LSA 2530.4 MSA 163.7 SSA 21.8
 EL1 2487.3 EL2 122.6 ALF 9.54

LAUNCH DATE JAN 6 1966

FLIGHT TIME 182.00

ARRIVAL DATE JUL 7 1966

HELIOCENTRIC CONIC

DISTANCE 541.093

RL 147.10 LAL -1.00 LOL 105.23 VL 25.999 GAL 4.03 AZL 87.29 MCA 279.11 SMA 117.60 ECC .25985 INC 2.7111 V1 30.287
 RP 108.41 LAP -2.68 LOP 24.35 VP 36.329 GAP 14.39 A7P 89.57 TAL 168.35 TAP 87.46 RCA 87.04 APO 148.16 V2 34.955
 RC 201.376 GL 14.52 GP -6.27 ZAL 68.41 ZAP 173.58 ETS 284.44 ZAE 133.14 ETE 186.42 ZAC 120.83 ETC 169.33 CLP-178.64

PLANETOCENTRIC CONIC

C3 23.943 VHL 4.893 OLA 27.70 RAL 29.93 RAD 6568.0 VEL 12.055 PTH 2.15 VHP 9.317 DPA 1.73 RAP 27.28 ECC 1.3940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 14 3410.90 -22.46 125.11 262.85 72.28 2 10 5 2810.9 -24.67 117.14
 90.00 23 25 27 3748.86 -13.99 146.26 259.38 65.13 24 27 56 3148.9 -17.23 139.08
 100.00 3 18 34 3006.91 -26.43 96.64 264.11 75.51 4 8 41 2406.9 -28.16 88.27
 100.00 0 6 45 3628.08 -10.28 135.51 257.49 61.78 1 7 13 3028.1 -13.98 128.67
 110.00 5 27 59 2601.87 -33.08 67.49 265.71 80.87 6 11 21 2001.9 -33.99 58.37
 110.00 0 13 49 3605.89 -4.46 130.29 253.95 56.07 1 13 55 3005.9 -8.89 124.00

DIFFERENTIAL CORRECTIONS

TDE 1.9800 TRA 1.7874 TC3-4.2042 BAU 1.3458
 RDE .3698 RRA -.0325 RC3 .0372 FAU .01555
 FDE .4316 FRA .7260 FC3 -.5624 BSP 17065
 BDE 2.0142 BRA 1.7877 BC3 4.2044 FSP -346

MID-COURSE EXECUTION ACCURACY

SGT 5281.2 SGR 436.7 SG3 105.1
 RRT .3264 RRF .2967 RTF .8880
 SGB 5299.2 R23 .0053 R13 .8880
 SGI 5283.1 SG2 412.6 THA 1.56

ORBIT DETERMINATION ACCURACY

ST 2427.6 SR 433.3 SS 468.5
 CRT .9458 CRS -.8533 CST -.9754
 LSA 2504.0 MSA 173.2 SSA 20.4
 EL1 2462.1 EL2 138.7 ALF 9.61

LAUNCH DATE JAN 6 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 9 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.947 GAL 4.81 AZL 87.38 HCA 282.30 SMA 117.33 ECC .26642 INC 2.6165 VI 30.287
 RP 108.37 LAP -2.56 LOP 27.54 VP 36.305 GAP 14.83 AZP 89.44 TAL 166.46 TAP 88.76 RCA 86.07 APO 148.58 V2 34.968
 RC 203.147 GL 13.41 GP -6.15 ZAL 64.99 ZAP 173.82 ETS 278.60 ZAE 133.29 ETE 186.35 ZAC 123.23 ETC 169.29 CLP-179.32

PLANETOCENTRIC CONIC
 C3 25.896 VHL 5.089 DLA 27.82 RAL 33.88 RAD 6568.0 VEL 12.136 PTH 2.18 VHP 9.581 DPA 2.82 RAP 29.53 ECC 1.4262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 49 3447.23 -21.68 127.49 268.04 71.33 2 21 16 2847.2 -24.04 119.61
 90.00 23 46 25 3751.14 -13.92 146.40 264.78 65.09 24 48 56 3151.1 -17.17 139.22
 100.00 3 31 44 3034.84 -25.94 98.57 269.46 74.60 4 22 19 2434.8 -27.80 90.27
 100.00 0 25 7 3638.76 -9.94 136.11 262.74 61.66 1 25 46 3038.8 -13.65 129.29
 110.00 5 42 21 2626.04 -32.81 69.33 271.25 79.82 6 26 7 2026.0 -33.87 60.25
 110.00 0 30 59 3620.32 -3.91 131.05 259.07 56.01 1 31 19 3020.3 -8.35 124.77

DIFFERENTIAL CORRECTIONS
 TOE 1.9912 TRA 2.1255 TC3-3.8875 BAU 1.3459 SGT 5291.7 SGR 436.7 SG3 103.2 ST 2387.3 SR 435.2 SS 458.3
 RDE .3864 RRA -.0208 RC3 .0258 FAU .01448 RRT .3463 RRF .3163 RTF .8950 CRT .9327 CRS -.8364 CST -.9770
 FDE .4161 FRA .7712 FC3 -.4840 BSP 17164 SGB 5309.6 R23 .0049 R13 .8950 LSA 2462.7 MSA 183.7 SSA 19.0
 BDE 2.0284 BRA 2.1256 BC3 3.8876 FSP -342 SGI 5293.8 SG2 409.5 THA 1.65 EL1 2421.7 EL2 154.8 ALF 9.69

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 6 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 11 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.897 GAL 5.64 AZL 87.48 HCA 285.50 SMA 117.05 ECC .27368 INC 2.5196 VI 30.287
 RP 108.33 LAP -2.43 LOP 30.74 VP 36.281 GAP 15.31 AZP 89.33 TAL 164.59 TAP 90.09 RCA 85.02 APO 149.09 V2 34.981
 RC 204.893 GL 12.31 GP -6.03 ZAL 61.69 ZAP 173.97 ETS 272.28 ZAE 133.43 ETE 186.29 ZAC 125.63 ETC 169.20 CLP 179.99

PLANETOCENTRIC CONIC
 C3 28.251 VHL 5.315 DLA 27.83 RAL 37.70 RAD 6568.1 VEL 12.232 PTH 2.20 VHP 9.869 DPA 3.88 RAP 31.79 ECC 1.4649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 25 3470.88 -21.16 129.03 273.33 70.73 2 36 16 2870.9 -23.60 121.21
 90.00 0 6 12 3770.73 -13.36 147.56 270.00 64.80 1 9 3 3170.7 -16.64 140.42
 100.00 3 46 40 3057.44 -25.52 100.12 274.85 73.89 4 37 37 2457.4 -27.49 91.87
 100.00 0 40 38 3659.40 -9.27 137.28 267.89 61.45 1 41 37 3059.4 -13.01 130.49
 110.00 5 57 25 2648.22 -32.53 71.00 276.79 78.87 6 41 34 2048.2 -33.72 61.96
 110.00 0 46 22 3641.39 -3.11 132.15 264.12 55.94 1 47 3 3041.4 -7.56 125.89

DIFFERENTIAL CORRECTIONS
 TOE 1.9937 TRA 2.4820 TC3-3.5547 BAU 1.3426 SGT 5296.4 SGR 435.5 SG3 101.3 ST 2335.8 SR 435.1 SS 448.3
 RDE .4036 RRA -.0073 RC3 .0160 FAU .01341 RRT .3658 RRF .3361 RTF .9019 CRT .9177 CRS -.8179 CST -.9784
 FDE .4006 FRA .8190 FC3 -.4111 BSP 17257 SGB 5314.3 R23 .0045 R13 .9020 LSA 2409.9 MSA 194.9 SSA 17.8
 BDE 2.0342 BRA 2.4821 BC3 3.5548 FSP -337 SGI 5298.8 SG2 405.1 THA 1.73 EL1 2369.8 EL2 170.4 ALF 9.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 6 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 13 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.848 GAL 6.52 AZL 87.58 HCA 288.69 SMA 116.79 ECC .28171 INC 2.4196 VI 30.287
 RP 108.29 LAP -2.29 LOP 33.94 VP 36.258 GAP 15.84 AZP 89.22 TAL 162.75 TAP 91.45 RCA 83.89 APO 149.69 V2 34.994
 RC 206.614 GL 11.22 GP -5.93 ZAL 58.54 ZAP 174.03 ETS 265.61 ZAE 133.56 ETE 186.23 ZAC 128.02 ETC 169.06 CLP 179.29

PLANETOCENTRIC CONIC
 C3 31.071 VHL 5.574 DLA 27.75 RAL 41.36 RAD 6568.2 VEL 12.347 PTH 2.23 VHP 10.185 DPA 4.91 RAP 34.05 ECC 1.5113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 56 45 3482.46 -20.90 129.78 278.72 70.45 2 54 47 2882.5 -23.38 121.98
 90.00 0 17 3 3806.84 -12.30 149.68 274.99 64.29 1 20 29 3206.8 -15.66 142.62
 100.00 4 3 5 3075.19 -25.18 101.33 280.25 73.34 4 54 20 2475.2 -27.23 93.13
 100.00 0 53 23 3689.31 -8.29 138.96 272.89 61.18 1 54 53 3089.3 -12.08 132.22
 110.00 6 12 59 2668.63 -32.25 72.52 282.30 78.00 6 57 28 2068.6 -33.57 63.54
 110.00 0 59 58 3668.64 -2.07 133.58 269.07 55.87 2 1 7 3068.6 -6.54 127.34

DIFFERENTIAL CORRECTIONS
 TOE 1.9911 TRA 2.8643 TC3-3.2122 BAU 1.3343 SGT 5299.1 SGR 433.3 SG3 99.5 ST 2279.5 SR 433.1 SS 439.8
 RDE .4214 RRA .0082 RC3 .0082 FAU .01233 RRT .3855 RRF .3568 RTF .9089 CRT .9007 CRS -.7984 CST -.9801
 FDE .3863 FRA .8706 FC3 -.3435 BSP 17216 SGB 5316.8 R23 .0047 R13 .9089 LSA 2352.6 MSA 206.2 SSA 16.6
 BDE 2.0352 BRA 2.8644 BC3 3.2122 FSP -330 SGI 5301.7 SG2 399.6 THA 1.82 EL1 2312.9 EL2 185.5 ALF 9.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 6 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 15 1966

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.799 GAL 7.45 AZL 87.68 HCA 291.89 SMA 116.53 ECC .29060 INC 2.3156 VI 30.287
 RP 108.25 LAP -2.15 LOP 37.13 VP 36.237 GAP 16.41 AZP 89.14 TAL 160.95 TAP 92.84 RCA 82.67 APO 150.40 V2 35.007
 RC 208.309 GL 10.14 GP -5.83 ZAL 55.54 ZAP 174.00 ETS 258.78 ZAE 133.66 ETE 186.18 ZAC 130.40 ETC 168.86 CLP 178.57

PLANETOCENTRIC CONIC
 C3 34.436 VHL 5.868 DLA 27.58 RAL 44.83 RAD 6568.4 VEL 12.482 PTH 2.26 VHP 10.531 DPA 5.92 RAP 36.32 ECC 1.5667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 17 28 3485.86 -20.82 130.00 284.15 70.36 3 15 34 2885.9 -23.31 122.21
 90.00 0 24 3 3855.22 -10.85 152.50 279.77 63.69 1 28 19 3255.2 -14.30 145.52
 100.00 4 20 34 3089.04 -24.91 102.27 285.63 72.92 5 12 3 2489.0 -27.01 94.10
 100.00 1 3 39 3727.27 -7.04 141.09 277.74 60.87 2 5 46 3127.3 -10.87 134.39
 110.00 6 28 50 2687.63 -31.97 73.93 287.77 77.21 7 13 38 2087.6 -33.40 65.00
 110.00 1 11 52 3701.45 -8.82 135.29 273.90 55.83 2 13 33 3101.4 -5.30 129.07

DIFFERENTIAL CORRECTIONS
 TOE 1.9763 TRA 3.2631 TC3-2.8779 BAU 1.3249 SGT 5296.3 SGR 429.7 SG3 97.7 ST 2212.8 SR 428.9 SS 431.0
 RDE .4392 RRA .0252 RC3 .0019 FAU .01133 RRT .4040 RRF .3761 RTF .9160 CRT .8813 CRS -.7767 CST -.9815
 FDE .3708 FRA .9239 FC3 -.2849 BSP 17289 SGB 5313.7 R23 .0043 R13 .9160 LSA 2284.4 MSA 217.4 SSA 15.6
 BDE 2.0245 BRA 3.2632 BC3 2.8779 FSP -326 SGI 5299.2 SG2 392.9 THA 1.89 EL1 2245.1 EL2 199.8 ALF 9.77

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 6 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 17 1966

HELIOCENTRIC CONIC

DISTANCE 566.392

RL 147.10 LAL -.00 LOL 105.23 VL 25.752 GAL 8.45 AZL 87.79 MCA 295.09 SMA 116.29 ECC .30045 INC 2.2067 V1 30.287
 RP 108.21 LAP -2.00 LOP 40.34 VP 36.216 GAP 17.04 A7P 89.06 TAL 159.18 TAP 94.27 RCA 81.35 APO 151.22 V2 35.020
 RC 209.976 GL 9.10 GP -5.74 ZAL 52.70 ZAP 173.86 ETS 251.98 ZAE 133.75 ETE 186.12 ZAC 132.76 ETC 168.60 CLP 177.83

PLANETOCENTRIC CONIC

C3 38.442 VML 6.200 OLA 27.34 RAL 48.12 RAD 6568.5 VEL 12.642 PTH 2.29 VMP 10.912 DPA 6.89 RAP 38.59 ECC 1.6327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 12 3485.26 -20.84 129.96 289.56 70.38 3 37 18 2885.3 -23.32 122.17
 90.00 0 28 32 3911.44 -9.14 155.74 284.37 63.08 1 33 43 3311.4 -12.68 148.85
 100.00 4 38 40 3100.16 -24.69 103.02 290.96 72.59 5 30 20 2500.2 -26.84 94.88
 100.00 1 11 45 3771.77 -5.56 143.56 282.43 60.58 2 14 37 3171.8 -9.44 136.92
 110.00 6 44 45 2705.61 -31.69 75.26 293.16 76.47 7 29 50 2105.6 -33.23 66.37
 110.00 1 22 10 3739.08 .62 137.25 278.60 55.82 2 24 29 3139.1 -3.87 131.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9545 TRA 3.6865 TC3-2.5509 BAU 1.3110 SGT 5289.2 SGR 424.9 SG3 95.9 ST 2143.5 SR 422.7 SS 423.7
 RDE .4572 RRA .0439 RC3 -.0028 FAU .01036 RRT .4222 RRF .3953 RTF .9232 CRT .8596 CRS -.7536 CST -.9831
 FDE .3559 FRA .9809 FC3 -.2333 BSP 17337 SGB 5306.2 R23 .0038 R13 .9232 LSA 2213.8 MSA 228.0 SSA 14.6
 BDE 2.0072 BRA 3.6868 BC3 2.5509 FSP -321 SGI 5292.2 SG2 385.0 THA 1.95 EL1 2174.4 EL2 212.9 ALF 9.71

LAUNCH DATE JAN 6 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 19 1966

HELIOCENTRIC CONIC

DISTANCE 571.102

RL 147.10 LAL -.00 LOL 105.23 VL 25.706 GAL 9.51 AZL 87.91 MCA 298.30 SMA 116.04 ECC .31140 INC 2.0919 V1 30.287
 RP 108.17 LAP -1.84 LOP 43.54 VP 36.196 GAP 17.74 A7P 89.01 TAL 157.46 TAP 95.76 RCA 79.91 APO 152.18 V2 35.034
 RC 211.617 GL 8.09 GP -5.66 ZAL 50.03 ZAP 173.63 ETS 245.42 ZAE 133.82 ETE 186.07 ZAC 135.10 ETC 168.28 CLP 177.08

PLANETOCENTRIC CONIC

C3 43.210 VML 6.573 OLA 27.03 RAL 51.20 RAD 6568.6 VEL 12.829 PTH 2.34 VMP 11.333 DPA 7.82 RAP 40.86 ECC 1.7111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 58 3483.45 -20.88 129.84 294.89 70.42 3 59 1 2883.5 -23.36 122.05
 90.00 0 31 22 3972.26 -7.25 159.21 288.80 62.55 1 37 34 3372.3 -10.87 152.40
 100.00 4 56 55 3109.64 -24.49 103.66 296.21 72.30 5 48 45 2509.6 -26.68 95.54
 100.00 1 18 6 3821.31 -3.90 146.30 286.97 60.34 2 21 47 3221.3 -7.82 139.70
 110.00 7 0 30 2722.92 -31.41 76.53 298.45 75.77 7 45 53 2122.9 -33.05 67.69
 110.00 1 31 0 3780.78 2.22 139.43 283.17 55.88 2 34 1 3180.8 -2.28 133.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9274 TRA 4.1374 TC3-2.2364 BAU 1.2919 SGT 5278.0 SGR 418.9 SG3 94.3 ST 2074.9 SR 414.5 SS 418.2
 RDE .4751 RRA .0643 RC3 -.0059 FAU .00939 RRT .4401 RRF .4145 RTF .9303 CRT .8355 CRS -.7294 CST -.9848
 FDE .3418 FRA 1.0422 FC3 -.1881 BSP 17367 SGB 5294.6 R23 .0033 R13 .9303 LSA 2143.7 MSA 237.5 SSA 13.7
 BDE 1.9851 BRA 4.1379 BC3 2.2364 FSP -317 SGI 5281.3 SG2 375.9 THA 2.01 EL1 2103.9 EL2 224.7 ALF 9.59

LAUNCH DATE JAN 6 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 21 1966

HELIOCENTRIC CONIC

DISTANCE 575.639

RL 147.10 LAL -.00 LOL 105.23 VL 25.661 GAL 10.66 AZL 88.03 MCA 301.50 SMA 115.81 ECC .32359 INC 1.9699 V1 30.287
 RP 108.13 LAP -1.68 LOP 46.74 VP 36.177 GAP 18.51 A7P 88.97 TAL 155.80 TAP 97.30 RCA 78.33 APO 153.28 V2 35.047
 RC 213.230 GL 7.12 GP -5.59 ZAL 47.53 ZAP 173.30 ETS 239.23 ZAE 133.85 ETE 186.02 ZAC 137.42 ETC 167.88 CLP 176.29

PLANETOCENTRIC CONIC

C3 48.890 VML 6.992 OLA 26.67 RAL 54.08 RAD 6568.8 VEL 13.048 PTH 2.38 VMP 11.800 DPA 8.72 RAP 43.13 ECC 1.8048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 22 10 3482.03 -20.91 129.75 300.11 70.46 4 20 12 2882.0 -23.38 121.95
 90.00 0 33 6 4035.67 -5.24 162.79 293.08 62.13 1 40 22 3435.7 -8.93 156.05
 100.00 5 14 59 3118.37 -24.31 104.24 301.36 72.05 6 6 57 2518.4 -26.54 96.15
 100.00 1 22 59 3874.57 -2.10 149.23 291.34 60.17 2 27 33 3274.6 -6.05 142.67
 110.00 7 15 56 2739.89 -31.12 77.77 303.63 75.09 8 1 36 2139.9 -32.85 68.98
 110.00 1 38 31 3825.81 3.93 141.78 287.59 56.02 2 42 17 3225.8 -5.55 135.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.9002 TRA 4.6227 TC3-1.9348 BAU 1.2646 SGT 5264.5 SGR 411.9 SG3 92.7 ST 2012.1 SR 404.7 SS 415.7
 RDE .4931 RRA .0863 RC3 -.0075 FAU .00837 RRT .4581 RRF .4342 RTF .9374 CRT .8097 CRS -.7055 CST -.9867
 FDE .3297 FRA 1.1096 FC3 -.1482 BSP 17291 SGB 5280.6 R23 .0031 R13 .9374 LSA 2079.6 MSA 245.4 SSA 13.0
 BDE 1.9631 BRA 4.6235 BC3 1.9348 FSP -310 SGI 5267.9 SG2 365.9 THA 2.06 EL1 2038.9 EL2 234.4 ALF 9.38

LAUNCH DATE JAN 6 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 23 1966

HELIOCENTRIC CONIC

DISTANCE 579.963

RL 147.10 LAL -.00 LOL 105.23 VL 25.617 GAL 11.90 AZL 88.16 MCA 304.71 SMA 115.58 ECC .33719 INC 1.8392 V1 30.287
 RP 108.09 LAP -1.51 LOP 49.95 VP 36.159 GAP 19.37 A7P 88.95 TAL 154.20 TAP 98.91 RCA 76.61 APO 154.56 V2 35.060
 RC 214.816 GL 6.19 GP -5.52 ZAL 45.21 ZAP 172.87 ETS 233.51 ZAE 133.85 ETE 185.96 ZAC 139.70 ETC 167.40 CLP 175.48

PLANETOCENTRIC CONIC

C3 55.673 VML 7.461 OLA 26.27 RAL 56.74 RAD 6569.0 VEL 13.305 PTH 2.43 VMP 12.320 DPA 9.59 RAP 45.38 ECC 1.9162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 30 3481.74 -20.92 129.73 305.19 70.47 4 40 32 2881.7 -23.39 121.93
 90.00 0 34 1 4100.43 -3.17 166.42 297.21 61.85 1 42 22 3500.4 -6.91 159.74
 100.00 5 32 33 3126.96 -24.13 104.82 306.38 71.80 6 24 40 2527.0 -26.39 96.75
 100.00 1 26 40 3930.44 -.20 152.29 295.57 60.11 2 32 10 3330.4 -4.18 145.76
 110.00 7 30 53 2756.73 -30.82 78.99 308.66 74.42 8 16 50 2156.7 -32.65 70.25
 110.00 1 44 49 3873.44 5.74 144.29 291.88 56.24 2 49 23 3273.4 1.27 138.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8646 TRA 5.1366 TC3-1.6565 BAU 1.2329 SGT 5245.0 SGR 403.4 SG3 91.1 ST 1948.6 SR 393.1 SS 414.2
 RDE .5106 RRA .1096 RC3 -.0083 FAU .00741 RRT .4749 RRF .4527 RTF .9444 CRT .7815 CRS -.6801 CST -.9885
 FDE .3172 FRA 1.1812 FC3 -.1152 BSP 17328 SGB 5260.5 R23 .0024 R13 .9444 LSA 2014.9 MSA 251.6 SSA 12.2
 BDE 1.9333 BRA 5.1378 BC3 1.6565 FSP -306 SGI 5248.5 SG2 354.7 THA 2.10 EL1 1973.1 EL2 242.2 ALF 9.10

LAUNCH DATE JAN 6 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 25 1966

DISTANCE 584.027

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.574 GAL 13.25 AZL 88.30 HCA 307.92 SMA 115.36 ECC .35242 INC 1.6976 V1 30.287
 RP 108.05 LAP -1.34 LOP 53.16 VP 36.141 GAP 20.33 A7P 88.96 TAL 152.69 TAP 100.61 RCA 74.71 APO 156.02 V2 35.073
 RC 216.375 GL 5.30 GP -5.46 ZAL 43.07 ZAP 172.34 ETS 228.30 ZAE 133.81 ETE 185.90 ZAC 141.94 ETC 166.84 CLP 174.62

PLANETOCENTRIC CONIC
 C3 63.801 VHL 7.988 DLA 25.84 RAL 59.19 RAD 6569.2 VEL 13.607 PTH 2.49 VHP 12.902 CPA 10.41 RAP 47.61 ECC 2.0500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 1 47 3482.87 -20.89 129.81 310.10 70.44 4 59 50 2882.9 -23.37 122.01
 90.00 0 34 18 4165.71 -1.07 170.07 301.20 61.70 1 43 44 3565.7 -4.84 163.42
 100.00 5 49 26 3135.79 -23.94 105.40 311.23 71.54 6 41 42 2535.8 -26.24 97.36
 100.00 1 29 20 3988.02 1.75 155.45 299.63 60.15 2 35 48 3388.0 -2.23 148.93
 110.00 7 45 13 2773.56 -30.51 80.20 313.54 73.77 8 31 27 2173.6 -32.43 71.51
 110.00 1 50 3 3923.02 7.61 146.91 296.02 56.57 2 55 26 3323.0 3.16 140.65

MID-COURSE EXECUTION ACCURACY
 SGT 5221.8 SGR 393.7 SG3 89.6
 RRT .4914 RRF .4710 RTF .9512
 SGB 5236.7 R23 .0018 R13 .9512
 SGI 5225.4 SG2 342.6 TMA 2.13

ORBIT DETERMINATION ACCURACY
 ST 1890.9 SR 380.0 SS 415.5
 CRT .7519 CRS -.6551 CST -.9903
 LSA 1956.3 MSA 255.6 SSA 11.5
 EL1 1912.7 EL2 247.6 ALF 8.74

DIFFERENTIAL CORRECTIONS
 TDE 1.8284 TRA 5.6898 TC3-1.3974 BAU 1.1919
 RDE .5279 RRA .1342 RC3 -.0080 FAU .00641
 FDE .3060 FRA 1.2597 FCB -.0869 BSP 17332
 BDE 1.9031 BRA 5.6914 BC3 1.3974 FSP -301

LAUNCH DATE JAN 6 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 27 1966

DISTANCE 587.769

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.533 GAL 14.72 AZL 88.46 HCA 311.14 SMA 115.15 ECC .36953 INC 1.5431 V1 30.287
 RP 108.01 LAP -1.16 LOP 56.37 VP 36.125 GAP 21.41 A7P 88.98 TAL 151.28 TAP 102.41 RCA 72.60 APO 157.71 V2 35.086
 RC 217.906 GL 4.45 GP -5.40 ZAL 41.11 ZAP 171.72 ETS 223.59 ZAE 133.73 ETE 185.84 ZAC 144.13 ETC 166.17 CLP 173.72

PLANETOCENTRIC CONIC
 C3 73.584 VHL 8.578 DLA 25.38 RAL 61.43 RAD 6569.4 VEL 13.962 PTH 2.55 VHP 13.555 DPA 11.19 RAP 49.81 ECC 2.2110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 55 3485.43 -20.83 129.97 314.82 70.38 5 18 0 2885.4 -23.32 122.18
 90.00 0 34 1 4230.91 1.04 173.70 305.04 61.70 1 44 32 3630.9 -2.75 167.07
 100.00 6 5 30 3145.01 -23.74 106.02 315.91 71.28 6 57 55 2545.0 -26.07 98.00
 100.00 1 31 7 4046.55 3.73 158.67 303.54 60.32 2 38 33 3446.5 -.25 152.14
 110.00 7 58 51 2790.40 -30.18 81.40 318.23 73.13 8 45 21 2190.4 -32.19 72.77
 110.00 1 54 15 3973.93 9.51 149.63 300.00 57.01 3 0 29 3373.9 5.10 143.32

MID-COURSE EXECUTION ACCURACY
 SGT 5194.7 SGR 382.7 SG3 88.1
 RRT .5073 RRF .4888 RTF .9577
 SGB 5208.8 R23 .0012 R13 .9577
 SGI 5198.4 SG2 329.6 TMA 2.15

ORBIT DETERMINATION ACCURACY
 ST 1838.5 SR 365.6 SS 419.4
 CRT .7216 CRS -.6306 CST -.9920
 LSA 1903.5 MSA 257.2 SSA 10.8
 EL1 1857.7 EL2 250.5 ALF 8.32

DIFFERENTIAL CORRECTIONS
 TDE 1.7920 TRA 6.2865 TC3-1.1591 BAU 1.1402
 RDE .5447 RRA .1599 RC3 -.0070 FAU .00534
 FDE .2962 FRA 1.3460 FC3 -.0628 BSP 17317
 BDE 1.8730 BRA 6.2886 BC3 1.1591 FSP -297

LAUNCH DATE JAN 6 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 29 1966

DISTANCE 591.110

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.494 GAL 16.34 AZL 88.63 HCA 314.35 SMA 114.95 ECC .38880 INC 1.3725 V1 30.287
 RP 107.97 LAP -0.98 LOP 59.58 VP 36.109 GAP 22.63 A7P 89.04 TAL 149.98 TAP 104.33 RCA 70.26 APO 159.65 V2 35.099
 RC 219.410 GL 3.64 GP -5.34 ZAL 39.34 ZAP 171.00 ETS 219.36 ZAE 133.58 ETE 185.76 ZAC 146.26 ETC 165.41 CLP 172.76

PLANETOCENTRIC CONIC
 C3 85.430 VHL 9.243 DLA 24.90 RAL 63.44 RAD 6569.7 VEL 14.380 PTH 2.61 VHP 14.294 DPA 11.93 RAP 51.98 ECC 2.4060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 50 3489.25 -20.74 130.22 319.32 70.28 5 34 59 2889.2 -23.24 122.44
 90.00 0 33 11 4295.56 3.12 177.31 308.71 61.84 1 44 47 3695.6 -.67 170.68
 100.00 6 20 37 3154.62 -23.53 106.65 320.38 71.01 7 13 12 2554.6 -25.90 98.66
 100.00 1 32 5 4105.41 5.70 161.92 307.29 60.61 2 40 30 3505.4 1.75 155.37
 110.00 8 11 41 2807.18 -29.84 82.59 322.71 72.50 8 58 28 2207.2 -31.94 74.01
 110.00 1 57 31 4025.62 11.41 152.42 303.83 57.56 3 4 37 3425.6 7.05 146.05

MID-COURSE EXECUTION ACCURACY
 SGT 5165.8 SGR 370.7 SG3 86.8
 RRT .5230 RRF .5066 RTF .9639
 SGB 5179.0 R23 .0006 R13 .9639
 SGI 5169.4 SG2 315.8 TMA 2.16

ORBIT DETERMINATION ACCURACY
 ST 1793.8 SR 350.1 SS 426.9
 CRT .6917 CRS -.6082 CST -.9937
 LSA 1859.3 MSA 256.1 SSA 10.2
 EL1 1810.4 EL2 250.5 ALF 7.84

DIFFERENTIAL CORRECTIONS
 TDE 1.7615 TRA 6.9372 TC3 -.9396 BAU 1.0732
 RDE .5614 RRA .1865 RC3 -.0054 FAU .00414
 FDE .2887 FRA 1.4423 FC3 -.0420 BSP 17191
 BDE 1.8488 BRA 6.9397 BC3 .9396 FSP -291

LAUNCH DATE JAN 6 1966

FLIGHT TIME 206.00

ARRIVAL DATE JUL 31 1966

DISTANCE 593.944

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 105.23 VL 25.457 GAL 18.14 AZL 88.82 HCA 317.57 SMA 114.76 ECC .41060 INC 1.1819 V1 30.287
 RP 107.93 LAP -0.80 LOP 62.80 VP 36.095 GAP 24.02 A7P 89.13 TAL 148.84 TAP 106.40 RCA 67.64 APO 161.89 V2 35.111
 RC 220.887 GL 2.86 GP -5.29 ZAL 37.77 ZAP 170.18 ETS 215.55 ZAE 133.36 ETE 185.68 ZAC 148.31 ETC 164.52 CLP 171.72

PLANETOCENTRIC CONIC
 C3 99.869 VHL 9.993 DLA 24.40 RAL 65.24 RAD 6569.9 VEL 14.873 PTH 2.68 VHP 15.132 OPA 12.62 RAP 54.09 ECC 2.6436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 31 3494.04 -20.63 130.53 323.58 70.17 5 50 45 2894.0 -23.15 122.76
 90.00 0 31 49 4359.29 5.16 180.89 312.21 62.12 1 44 28 3759.3 1.39 174.24
 100.00 6 34 44 3164.48 -23.31 107.30 324.61 70.73 7 27 29 2564.5 -25.72 99.33
 100.00 1 32 17 4164.08 7.65 165.19 310.85 61.02 2 41 41 3564.1 3.73 158.60
 110.00 8 23 39 2823.76 -29.50 83.76 326.94 71.89 9 10 42 2223.8 -31.68 75.24
 110.00 1 59 52 4077.57 13.29 155.27 307.49 58.21 3 7 50 3477.6 8.99 148.81

MID-COURSE EXECUTION ACCURACY
 SGT 5130.3 SGR 357.3 SG3 85.5
 RRT .5373 RRF .5228 RTF .9697
 SGB 5142.8 R23 -.0000 R13 .9697
 SGI 5133.9 SG2 301.1 TMA 2.15

ORBIT DETERMINATION ACCURACY
 ST 1751.2 SR 333.5 SS 436.7
 CRT .6616 CRS -.5859 CST -.9951
 LSA 1817.8 MSA 252.8 SSA 9.6
 EL1 1765.3 EL2 248.1 ALF 7.33

DIFFERENTIAL CORRECTIONS
 TDE 1.7291 TRA 7.6395 TC3 -.7432 BAU .9924
 RDE .5773 RRA .2134 RC3 -.0036 FAU .00285
 FDE .2818 FRA 1.5480 FC3 -.0247 BSP 17177
 BDE 1.8229 BRA 7.6425 BC3 .7432 FSP -287

LAUNCH DATE JAN 6 1966

FLIGHT TIME 208.00

ARRIVAL DATE AUG 2 1966

HELIOCENTRIC CONIC

DISTANCE 596.134

RL 147.10 LAL -.00 LOL 105.23 VL 25.421 GAL 20.14 AZL 89.03 MCA 320.79 SMA 114.59 ECC .43534 INC .9663 V1 30.287
 RP 107.89 LAP -.61 LOP 66.02 VP 36.082 GAP 25.60 AZP 89.25 TAL 147.87 TAP 108.65 RCA 64.70 APO 164.47 V2 35.124
 RC 222.336 GL 2.13 GP -5.24 ZAL 36.41 ZAP 169.25 ETS 212.12 ZAE 133.05 ETE 185.59 ZAC 150.27 ETC 163.53 CLP 170.60

PLANETOCENTRIC CONIC

C3 117.608 VHL 10.845 CLA 23.89 RAL 66.80 RAD 6570.2 VEL 15.458 PTH 2.76 VHP 16.090 CPA 13.26 RAP 56.14 ECC 2.9355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 57 3499.44 -20.51 130.87 327.57 70.04 6 5 16 2839.4 -23.04 123.12
 90.00 0 29 51 4421.76 7.13 184.41 315.50 62.52 1 43 33 3821.8 3.40 177.73
 100.00 6 47 47 3174.34 -23.08 107.95 328.56 70.46 7 40 41 2574.3 -25.54 100.01
 100.00 1 31 43 4222.09 9.55 168.45 314.21 61.54 2 42 5 3622.1 5.68 161.80
 110.00 8 34 41 2839.90 -29.15 84.89 330.90 71.30 9 22 0 2239.9 -31.42 76.42
 110.00 2 1 18 4129.30 15.13 158.16 310.95 58.97 3 10 7 3529.3 10.90 151.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7030 TRA 8.4074 TC3 -.5665 BAU .8907 SGT 5091.0 SGR 342.7 SG3 84.2 ST 1713.1 SR 316.0 SS 450.2
 RDE .5929 RRA .2402 RC3 -.0015 FAU .00136 RRT .5504 RRF .5379 RTF .9751 CRT .6327 CRS -.5655 CST -.9963
 FDE .2770 FRA 1.6664 FC3 -.0100 BSP 17144 SGB 5102.5 R23 -.0006 R13 .9751 LSA 1782.2 MSA 246.9 SSA 9.0
 BDE 1.8033 BRA 8.4108 BC3 .5665 FSP -283 SGI 5094.5 SG2 285.9 TMA 2.13 EL1 1725.0 EL2 243.0 ALF 6.79

LAUNCH DATE JAN 6 1966

FLIGHT TIME 210.00

ARRIVAL DATE AUG 4 1966

HELIOCENTRIC CONIC

DISTANCE 597.495

RL 147.10 LAL -.00 LOL 105.23 VL 25.388 GAL 22.39 AZL 89.28 MCA 324.01 SMA 114.42 ECC .46352 INC .7183 V1 30.287
 RP 107.86 LAP -.42 LOP 69.23 VP 36.071 GAP 27.43 AZP 89.42 TAL 147.12 TAP 111.13 RCA 61.39 APO 167.46 V2 35.135
 RC 223.756 GL 1.43 GP -5.19 ZAL 35.26 ZAP 168.18 ETS 209.00 ZAE 132.63 ETE 185.48 ZAC 152.11 ETC 162.41 CLP 169.37

PLANETOCENTRIC CONIC

C3 139.599 VHL 11.815 DLA 23.36 RAL 68.12 RAD 6570.5 VEL 16.153 PTH 2.84 VHP 17.192 CPA 13.84 RAP 58.09 ECC 3.2974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 5 3505.02 -20.38 131.23 331.24 69.90 6 18 30 2905.0 -22.93 123.49
 90.00 0 27 14 4482.65 9.03 187.88 318.57 63.05 1 41 57 3882.7 5.34 181.14
 100.00 6 59 40 3183.90 -22.87 108.57 332.21 70.20 7 52 44 2583.9 -25.35 100.66
 100.00 1 30 19 4279.01 11.38 171.68 317.33 62.17 2 41 38 3679.0 7.57 164.97
 110.00 8 44 42 2855.32 -28.81 85.96 334.55 70.75 9 32 17 2255.3 -31.16 77.54
 110.00 2 1 47 4180.35 16.90 161.06 314.18 59.83 3 11 28 3580.4 12.76 154.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6865 TRA 9.2506 TC3 -.4083 BAU .7620 SGT 5047.6 SGR 326.8 SG3 82.9 ST 1678.9 SR 298.0 SS 467.6
 RDE .6082 RRA .2662 RC3 .0005 FAU-.00045 RRT .5622 RRF .5515 RTF .9799 CRT .6059 CRS -.5472 CST -.9973
 FDE .2747 FRA 1.7997 FC3 .0028 BSP 17073 SGB 5058.2 R23 -.0011 R13 .9799 LSA 1751.9 MSA 238.9 SSA 8.4
 BDE 1.7928 BRA 9.2544 BC3 .4083 FSP -279 SGI 5051.0 SG2 270.1 TMA 2.09 EL1 1688.8 EL2 235.7 ALF 6.26

LAUNCH DATE JAN 6 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 6 1966

HELIOCENTRIC CONIC

DISTANCE 597.783

RL 147.10 LAL -.00 LOL 105.23 VL 25.359 GAL 24.95 AZL 89.57 MCA 327.23 SMA 114.27 ECC .49573 INC .74287 V1 30.287
 RP 107.82 LAP -.23 LOP 72.45 VP 36.061 GAP 29.56 AZP 89.64 TAL 146.64 TAP 113.87 RCA 57.63 APO 170.92 V2 35.147
 RC 225.148 GL .76 GP -5.14 ZAL 34.36 ZAP 166.97 ETS 206.17 ZAE 132.08 ETE 185.35 ZAC 153.82 ETC 161.19 CLP 168.01

PLANETOCENTRIC CONIC

C3 167.128 VHL 12.928 DLA 22.83 RAL 69.17 RAD 6570.8 VEL 16.984 PTH 2.92 VHP 18.467 CPA 14.38 RAP 59.92 ECC 3.7505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 52 3510.32 -20.25 131.57 334.56 69.78 6 30 22 2910.3 -22.83 123.84
 90.00 0 23 50 4541.70 10.83 191.28 321.36 63.68 1 39 32 3941.7 7.21 184.48
 100.00 7 10 21 3192.75 -22.66 109.15 335.51 69.97 8 3 34 2592.8 -25.18 101.26
 100.00 1 28 2 4334.49 13.12 174.88 320.19 62.90 2 40 16 3734.5 9.39 168.08
 110.00 8 53 38 2869.67 -28.48 86.95 337.84 70.25 9 41 27 2269.7 -30.90 78.59
 110.00 2 1 15 4230.33 18.58 163.95 317.15 60.78 3 11 46 3630.3 14.55 157.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6865 TRA10.1826 TC3 -.2674 BAU .5974 SGT 5001.4 SGR 309.7 SG3 81.8 ST 1648.4 SR 279.5 SS 489.8
 RDE .6234 RRA .2906 RC3 .0026 FAU-.00272 RRT .5722 RRF .5632 RTF .9841 CRT .5820 CRS -.5318 CST -.9980
 FDE .2761 FRA 1.9513 FC3 .0141 BSP 16896 SGB 5010.9 R23 -.0016 R13 .9841 LSA 1727.0 MSA 228.8 SSA 7.8
 BDE 1.7981 BRA10.1868 BC3 .2674 FSP -274 SGI 5004.5 SG2 253.8 TMA 2.03 EL1 1656.5 EL2 226.1 ALF 5.74

LAUNCH DATE JAN 6 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 8 1966

HELIOCENTRIC CONIC

DISTANCE 596.664

RL 147.10 LAL -.00 LOL 105.23 VL 25.333 GAL 27.87 AZL 89.92 MCA 330.45 SMA 114.14 ECC .53262 INC .0822 V1 30.287
 RP 107.79 LAP -.04 LOP 75.68 VP 36.054 GAP 32.04 AZP 89.93 TAL 146.50 TAP 116.95 RCA 53.35 APO 174.94 V2 35.158
 RC 226.511 GL .13 GP -5.09 ZAL 33.74 ZAP 165.57 ETS 203.56 ZAE 131.36 ETE 185.21 ZAC 155.36 ETC 159.88 CLP 166.48

PLANETOCENTRIC CONIC

C3 201.961 VHL 14.211 DLA 22.29 RAL 69.93 RAD 6571.1 VEL 17.980 PTH 3.01 VHP 19.953 CPA 14.85 RAP 61.60 ECC 4.3238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 42 15 3514.81 -20.15 131.86 337.47 69.67 6 40 50 2914.8 -22.74 124.14
 90.00 0 19 31 4598.64 12.53 194.61 323.84 64.40 1 36 9 3998.6 8.98 187.72
 100.00 7 19 44 3200.48 -22.48 109.66 338.39 69.76 8 13 4 2600.5 -25.03 101.79
 100.00 1 24 43 4388.21 14.77 178.02 322.72 63.71 2 37 51 3788.2 11.12 171.13
 110.00 9 1 21 2882.58 -28.18 87.83 340.71 69.80 9 49 23 2282.6 -30.67 79.52
 110.00 1 59 35 4278.87 20.17 166.82 319.81 61.80 3 10 54 3678.9 16.24 159.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6992 TRA11.2046 TC3 -.1449 BAU .3915 SGT 4947.3 SGR 291.2 SG3 80.7 ST 1617.0 SR 260.6 SS 516.5
 RDE .6383 RRA .3115 RC3 .0043 FAU-.00558 RRT .5789 RRF .5714 RTF .9878 CRT .5600 CRS -.5174 CST -.9986
 FDE .2804 FRA 2.1223 FC3 .0237 BSP 16817 SGB 4955.9 R23 -.0021 R13 .9878 LSA 1703.6 MSA 217.2 SSA 7.2
 BDE 1.8152 BRA11.2089 BC3 .1450 FSP -271 SGI 4950.2 SG2 237.3 TMA 1.96 EL1 1623.7 EL2 215.0 ALF 5.25

LAUNCH DATE JAN 6 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 10 1966

HELIOCENTRIC CONIC

DISTANCE 593.694

RL 147.10 LAL -.00 LOL 105.23 VL 25.311 GAL 31.25 AZL 90.34 MCA 333.68 SMA 114.04 ECC .57489 INC .3384 V1 30.287
 RP 107.75 LAP .15 LOP 78.90 VP 36.049 GAP 34.97 AZP 90.30 TAL 146.79 TAP 120.46 RCA 48.48 APO 179.60 V2 35.169
 RC 227.845 GL -.47 GP -5.03 ZAL 33.42 ZAP 163.95 ETS 201.15 ZAE 130.43 ETE 185.03 ZAC 156.69 ETC 158.55 CLP 164.74

PLANETOCENTRIC CONIC

C3 246.526 VHL 15.701 OLA 21.75 RAL 70.36 RAO 6571.4 VEL 19.179 PTH 3.09 VHP 21.694 DPA 15.27 RAP 63.08 ECC 5.0372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 7 3517.96 -20.07 132.06 339.90 69.60 6 49 45 2918.0 -22.67 124.35
 90.00 0 14 3 4653.30 14.12 197.84 325.93 65.20 1 31 36 4053.3 10.65 190.87
 100.00 7 27 41 3206.59 -22.33 110.05 340.80 69.60 8 21 7 2606.6 -24.91 102.20
 100.00 1 20 10 4439.90 16.30 181.09 324.87 64.59 2 34 10 3839.9 12.75 174.11
 110.00 9 7 43 2893.60 -27.92 88.58 343.11 69.43 9 55 57 2293.6 -30.46 80.31
 110.00 1 56 37 4325.66 21.65 169.64 322.08 62.88 3 8 43 3725.7 17.84 162.59

DIFFERENTIAL CORRECTIONS

TOE 1.7366 TRA12.3300 TC3 -.0386 BAU .1287
 ROE .6534 RRA .3270 RC3 .0057 FAU-.00916
 FDE .2897 FRA 2.3174 FC3 .0322 BSP 16719
 BOE 1.8555 BRA12.3343 BC3 .0390 FSP -268

MID-COURSE EXECUTION ACCURACY

SGT 4886.9 SGR 271.4 SG3 79.7
 RRT .5814 RRF .5752 RTF .9908
 SGB 4894.4 R23 -.0025 R13 .9908
 SG1 4889.4 SG2 220.7 TMA 1.85

ORBIT DETERMINATION ACCURACY

ST 1585.4 SR 241.5 SS 549.0
 CRT .5408 CRS -.5051 CST -.9990
 LSA 1682.7 MSA 204.3 SSA 6.6
 EL1 1590.9 EL2 202.5 ALF 4.79

LAUNCH DATE JAN 6 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 12 1966

HELIOCENTRIC CONIC

DISTANCE 588.282

RL 147.10 LAL -.00 LOL 105.23 VL 25.296 GAL 35.18 AZL 90.87 MCA 336.90 SMA 113.96 ECC .62321 INC .8687 V1 30.287
 RP 107.72 LAP .34 LOP 82.13 VP 36.048 GAP 38.44 AZP 90.80 TAL 147.60 TAP 124.50 RCA 42.94 APO 184.98 V2 35.179
 RC 229.148 GL -1.03 GP -4.97 ZAL 33.47 ZAP 162.06 ETS 198.92 ZAE 129.23 ETE 184.83 ZAC 157.78 ETC 157.27 CLP 162.74

PLANETOCENTRIC CONIC

C3 304.161 VHL 17.440 OLA 21.18 RAL 70.40 RAO 6571.7 VEL 20.627 PTH 3.17 VHP 23.746 DPA 15.62 RAP 64.30 ECC 6.0057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 20 3519.17 -20.05 132.13 341.79 69.57 6 56 59 2919.2 -22.65 124.43
 90.00 0 7 11 4705.56 15.58 200.97 327.56 66.06 1 25 36 4105.6 12.22 193.91
 100.00 7 34 3 3210.55 -22.24 110.31 342.67 69.50 8 27 33 2610.6 -24.83 102.47
 100.00 1 14 9 4489.40 17.72 184.08 326.56 65.53 2 28 59 3889.4 14.27 176.99
 110.00 9 12 35 2902.26 -27.71 89.17 344.95 69.14 10 0 57 2302.3 -30.29 80.93
 110.00 1 52 6 4370.46 23.01 172.41 323.90 64.00 3 4 56 3770.5 19.33 165.21

DIFFERENTIAL CORRECTIONS

TOE 1.8083 TRA13.5627 TC3 .0524 BAU .2146
 ROE .6691 RRA .3340 RC3 .0067 FAU-.01397
 FDE .3059 FRA 2.5401 FC3 .0398 BSP 16553
 BOE 1.9281 BRA13.5668 BC3 .0528 FSP -265

MID-COURSE EXECUTION ACCURACY

SGT 4818.8 SGR 250.4 SG3 78.7
 RRT .5777 RRF .5725 RTF .9933
 SGB 4825.3 R23 -.0029 R13 .9933
 SG1 4821.0 SG2 204.3 TMA 1.72

ORBIT DETERMINATION ACCURACY

ST 1551.8 SR 222.6 SS 588.2
 CRT .5245 CRS -.4946 CST -.9993
 LSA 1663.5 MSA 190.5 SSA 6.0
 EL1 1556.2 EL2 189.0 ALF 4.37

LAUNCH DATE JAN 6 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 14 1966

HELIOCENTRIC CONIC

DISTANCE 579.677

RL 147.10 LAL -.00 LOL 105.23 VL 25.288 GAL 39.79 AZL 91.56 MCA 340.13 SMA 113.92 ECC .67798 INC 1.5612 V1 30.287
 RP 107.69 LAP .53 LOP 85.36 VP 36.052 GAP 42.59 AZP 91.47 TAL 149.06 TAP 129.19 RCA 36.69 APO 191.16 V2 35.189
 RC 230.420 GL -1.56 GP -4.89 ZAL 33.94 ZAP 159.84 ETS 196.82 ZAE 127.72 ETE 184.59 ZAC 158.55 ETC 156.17 CLP 160.42

PLANETOCENTRIC CONIC

C3 379.408 VHL 19.478 OLA 20.60 RAL 69.99 RAO 6572.0 VEL 22.377 PTH 3.25 VHP 26.174 DPA 15.90 RAP 65.20 ECC 7.2441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 44 3517.78 -20.08 132.04 343.05 69.60 7 2 21 2917.8 -22.68 124.34
 90.00 23 54 36 4755.43 16.94 204.01 328.64 66.96 25 13 51 4155.4 13.67 196.85
 100.00 7 38 38 3211.77 -22.21 110.39 343.91 69.46 8 32 9 2611.8 -24.81 102.55
 100.00 1 6 19 4536.67 19.03 186.98 327.69 66.50 2 21 56 3936.7 15.69 179.78
 110.00 9 15 43 2908.04 -27.57 89.56 346.15 68.94 10 4 11 2308.0 -30.18 81.34
 110.00 1 45 43 4413.16 24.26 175.09 325.16 65.15 2 59 17 3813.2 20.71 167.75

DIFFERENTIAL CORRECTIONS

TOE 1.9269 TRA14.8946 TC3 .1288 BAU .6542
 ROE .6857 RRA .3282 RC3 .0072 FAU-.02043
 FDE .3318 FRA 2.7936 FC3 .0466 BSP 16265
 BOE 2.0453 BRA14.8982 BC3 .1290 FSP -261

MID-COURSE EXECUTION ACCURACY

SGT 4741.3 SGR 228.3 SG3 77.9
 RRT .5647 RRF .5602 RTF .9953
 SGB 4746.7 R23 -.0032 R13 .9953
 SG1 4743.0 SG2 188.3 TMA 1.56

ORBIT DETERMINATION ACCURACY

ST 1514.3 SR 204.1 SS 635.3
 CRT .5106 CRS -.4857 CST -.9995
 LSA 1645.3 MSA 176.4 SSA 5.5
 EL1 1517.9 EL2 175.0 ALF 3.99

LAUNCH DATE JAN 7 1966

FLIGHT TIME 70.00

ARRIVAL DATE MAR 18 1966

HELIOCENTRIC CONIC

DISTANCE 219.791

RL 147.10 LAL -.00 LOL 106.24 VL 30.648 GAL -17.05 AZL 87.41 MCA 101.76 SMA 153.41 ECC .29587 INC 2.5923 V1 30.287
 RP 108.04 LAP 2.54 LOP 208.01 VP 39.896 GAP .53 AZP 90.53 TAL 260.58 TAP 2.34 RCA 108.02 APO 198.80 V2 35.076
 RC 79.446 GL 8.31 GP 14.04 ZAL 169.51 ZAP 91.63 ETS 357.75 ZAE 162.55 ETE 152.45 ZAC 29.93 ETC 173.14 CLP -91.68

PLANETOCENTRIC CONIC

C3 84.173 VHL 9.175 OLA -13.34 RAL 293.07 RAO 6569.6 VEL 14.336 PTH 2.61 VHP 4.951 DPA -9.14 RAP 296.63 ECC 2.3853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 12 2139.52 -17.68 36.78 175.45 112.49 2 9 51 1539.5 -14.48 29.57
 90.00 10 3 55 5638.61 28.02 264.99 186.06 94.30 11 37 54 5038.6 28.32 256.34
 100.00 2 48 34 1899.56 -19.22 18.46 174.77 113.35 3 20 14 1299.6 -15.89 11.24
 100.00 11 32 14 5353.81 29.68 244.18 186.19 93.72 13 1 28 4753.8 29.88 235.38
 110.00 3 41 9 1734.88 -23.26 3.98 172.78 115.78 4 10 4 1134.9 -19.60 356.75
 110.00 12 56 8 5091.25 34.12 224.51 186.46 92.14 14 21 0 4491.2 34.04 215.26

DIFFERENTIAL CORRECTIONS

TOE -.0740 TRA-1.1370 TC3 -.1863 BAU .2264
 ROE -.5811 RRA .2311 RC3 .0761 FAU .10167
 FDE -.0291 FRA-1.2344 FC3-1.0457 BSP 1952
 BOE .5858 BRA 1.1603 BC3 .2012 FSP -536

MID-COURSE EXECUTION ACCURACY

SGT 807.2 SGR 416.1 SG3 179.4
 RRT -.4144 RRF -.4537 RTF .7359
 SGB 908.1 R23 .0749 R13 -.7501
 SG1 830.1 SG2 368.3 TMA 164.90

ORBIT DETERMINATION ACCURACY

ST 224.0 SR 365.6 SS 104.9
 CRT .0853 CRS .1941 CST -.9428
 LSA 366.8 MSA 245.0 SSA 17.9
 EL1 366.4 EL2 222.7 ALF 85.25

LAUNCH DATE JAN 7 1966

FLIGHT TIME 72.00

ARRIVAL DATE MAR 20 1966

HELIOCENTRIC CONIC

DISTANCE 226.053

RL 147.10 LAL -0.00 LOL 106.24 VL 30.563 GAL -16.85 AZL 87.51 MCA 104.97 SMA 152.49 ECC .29179 INC 2.4922 V1 30.287
 RP 108.08 LAP 2.41 LOP 211.23 VP 39.819 GAP 1.08 AZP 90.64 TAL 259.81 TAP 4.78 RCA 108.00 APO 196.99 V2 35.063
 RC 81.719 GL 8.08 GP 14.32 ZAL 169.44 ZAP 96.03 ETS 358.83 ZAE 159.71 ETE 155.13 ZAC 28.63 ETC 173.75 CLP -96.22

PLANETOCENTRIC CONIC

C3 81.808 VHL 9.045 DLA -13.50 RAL 293.51 RAD 6569.6 VEL 14.253 PTH 2.59 VHP 4.912 DPA -9.04 RAP 295.30 ECC 2.3464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 37 17 2127.65 -17.37 36.05 175.44 112.72 2 12 44 1527.7 -14.14 28.86
 90.00 10 4 16 5637.57 28.02 264.91 186.06 94.26 11 38 14 5037.6 28.32 256.26
 100.00 2 51 33 1888.03 -18.90 17.74 174.75 113.60 3 23 1 1288.0 -15.55 10.55
 100.00 11 32 41 5352.42 29.69 244.07 186.20 93.67 13 1 54 4752.4 29.88 235.27
 110.00 3 43 54 1724.05 -22.94 3.30 172.75 116.07 4 12 38 1124.1 -19.25 356.11
 110.00 12 56 49 5089.16 34.13 224.34 186.46 92.05 14 21 38 4489.2 34.04 215.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0746 TRA-1.2070 TC3 -.2250 BAU .2625 SGT 886.7 SGR 417.6 SG3 183.2 ST 240.9 SR 361.4 SS 104.5
 RDE -.5659 RRA .2339 RC3 .0833 FAU .10263 RRT -.4434 RRF -.4757 RTF .7583 CRT .0702 CRS .1682 CST -.9536
 FDE .0167 FRA-1.2224 FC3-1.0861 BSP 2238 SGB 980.1 R23 .0787 R13 -.7701 LSA 362.3 MSA 260.7 SSA 18.0
 BDE .5708 BRA 1.2294 BC3 .2400 FSP -553 SG1 909.7 SG2 364.9 TMA 165.89 EL1 362.1 EL2 239.8 ALF 85.22

LAUNCH DATE JAN 7 1966

FLIGHT TIME 74.00

ARRIVAL DATE MAR 22 1966

HELIOCENTRIC CONIC

DISTANCE 232.268

RL 147.10 LAL -0.00 LOL 106.24 VL 30.474 GAL -16.64 AZL 87.61 MCA 108.18 SMA 151.54 ECC .28777 INC 2.3891 V1 30.287
 RP 108.12 LAP 2.27 LOP 214.44 VP 39.739 GAP 1.59 AZP 90.75 TAL 258.96 TAP 7.14 RCA 107.93 APO 195.15 V2 35.050
 RC 84.008 GL 7.85 GP 14.59 ZAL 169.33 ZAP 100.23 ETS 359.93 ZAE 156.99 ETE 157.12 ZAC 27.51 ETC 174.38 CLP -100.57

PLANETOCENTRIC CONIC

C3 79.484 VHL 8.915 DLA -13.66 RAL 293.98 RAD 6569.6 VEL 14.172 PTH 2.58 VHP 4.894 DPA -8.90 RAP 294.15 ECC 2.3081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 37 2115.34 -17.04 35.29 175.47 112.96 2 15 53 1515.3 -13.79 28.13
 90.00 10 4 43 5636.71 28.03 264.85 186.11 94.23 11 38 40 5036.7 28.32 256.20
 100.00 2 54 47 1876.07 -18.58 17.01 174.77 113.85 3 26 3 1276.1 -15.20 9.84
 100.00 11 33 15 5351.21 29.69 243.98 186.24 93.62 13 2 26 4751.2 29.88 235.18
 110.00 3 46 54 1712.84 -22.60 2.61 172.76 116.35 4 15 27 1112.8 -18.88 355.45
 110.00 12 57 37 5087.20 34.13 224.19 186.50 91.96 14 22 24 4487.2 34.03 214.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0775 TRA-1.2777 TC3 -.2658 BAU .2984 SGT 970.2 SGR 418.0 SG3 185.6 ST 258.7 SR 355.9 SS 103.8
 RDE -.5490 RRA .2355 RC3 .0905 FAU .10279 RRT -.4697 RRF -.4970 RTF .7756 CRT .0613 CRS .1395 CST -.9618
 FDE .0034 FRA-1.1994 FC3-1.1196 BSP 2536 SGB 1056.4 R23 .0838 R13 -.7856 LSA 356.8 MSA 277.1 SSA 18.1
 BDE .5544 BRA 1.2992 BC3 .2808 FSP -566 SG1 993.0 SG2 360.6 TMA 166.78 EL1 356.7 EL2 257.7 ALF 84.65

LAUNCH DATE JAN 7 1966

FLIGHT TIME 76.00

ARRIVAL DATE MAR 24 1966

HELIOCENTRIC CONIC

DISTANCE 238.439

RL 147.10 LAL -0.00 LOL 106.24 VL 30.381 GAL -16.44 AZL 87.72 MCA 111.38 SMA 150.57 ECC .28381 INC 2.2822 V1 30.287
 RP 108.16 LAP 2.13 LOP 217.64 VP 39.656 GAP 2.08 AZP 90.83 TAL 258.04 TAP 9.42 RCA 107.84 APO 193.31 V2 35.036
 RC 86.309 GL 7.59 GP 14.86 ZAL 169.19 ZAP 104.21 ETS 1.05 ZAE 154.39 ETE 158.61 ZAC 26.60 ETC 175.03 CLP -104.71

PLANETOCENTRIC CONIC

C3 77.193 VHL 8.786 DLA -13.84 RAL 294.50 RAD 6569.5 VEL 14.090 PTH 2.57 VHP 4.893 DPA -8.74 RAP 293.22 ECC 2.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 14 2102.47 -16.70 34.51 175.54 113.21 2 19 17 1502.5 -13.42 27.37
 90.00 10 5 13 5636.11 28.03 264.81 186.19 94.21 11 39 9 5036.1 28.32 256.16
 100.00 2 58 17 1863.99 -18.23 16.24 174.83 114.11 3 29 20 1263.6 -14.82 9.11
 100.00 11 33 52 5350.23 29.70 243.91 186.32 93.58 13 3 2 4750.2 29.88 235.11
 110.00 3 50 8 1701.16 -22.25 1.89 172.80 116.65 4 18 29 1101.2 -18.49 354.77
 110.00 12 58 30 5085.42 34.14 224.05 186.57 91.88 14 23 15 4485.4 34.02 214.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0827 TRA-1.3484 TC3 -.3084 BAU .3339 SGT 1056.8 SGR 417.3 SG3 186.8 ST 277.5 SR 349.2 SS 102.7
 RDE -.5304 RRA .2361 RC3 .0976 FAU .10224 RRT -.4940 RRF -.5180 RTF .7689 CRT .0582 CRS .1069 CST -.9682
 FDE -.0108 FRA-1.1674 FC3-1.1467 BSP 2843 SGB 1136.2 R23 .0902 R13 -.7975 LSA 350.2 MSA 294.1 SSA 18.3
 BDE .5368 BRA 1.3690 BC3 .3235 FSP -574 SG1 1079.3 SG2 355.3 TMA 167.60 EL1 350.2 EL2 276.2 ALF 82.95

LAUNCH DATE JAN 7 1966

FLIGHT TIME 78.00

ARRIVAL DATE MAR 26 1966

HELIOCENTRIC CONIC

DISTANCE 244.568

RL 147.10 LAL -0.00 LOL 106.24 VL 30.286 GAL -16.23 AZL 87.83 MCA 114.59 SMA 149.59 ECC .27991 INC 2.1707 V1 30.287
 RP 108.20 LAP 1.97 LOP 220.85 VP 39.571 GAP 2.54 AZP 90.90 TAL 257.04 TAP 11.63 RCA 107.72 APO 191.46 V2 35.023
 RC 88.623 GL 7.31 GP 15.14 ZAL 169.01 ZAP 107.96 ETS 2.21 ZAE 151.95 ETE 159.75 ZAC 25.90 ETC 175.71 CLP -108.63

PLANETOCENTRIC CONIC

C3 74.928 VHL 8.656 DLA -14.03 RAL 295.05 RAD 6569.5 VEL 14.010 PTH 2.56 VHP 4.908 DPA -8.54 RAP 292.49 ECC 2.2331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 48 9 2088.90 -16.33 33.68 175.63 113.46 2 22 58 1488.9 -13.02 26.57
 90.00 10 5 45 5635.87 28.03 264.79 186.31 94.20 11 39 41 5035.9 28.32 256.14
 100.00 3 2 4 1850.44 -17.86 15.44 174.92 114.37 3 32 54 1250.4 -14.42 8.33
 100.00 11 34 32 5349.56 29.70 243.86 186.44 93.55 13 3 42 4749.6 29.88 235.06
 110.00 3 53 38 1688.89 -21.87 1.13 172.88 116.95 4 21 47 1088.9 -18.08 354.05
 110.00 12 59 27 5083.88 34.14 223.93 186.68 91.81 14 24 11 4483.9 34.01 214.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0902 TRA-1.4183 TC3 -.3526 BAU .3684 SGT 1145.7 SGR 415.6 SG3 186.6 ST 296.9 SR 341.4 SS 101.1
 RDE -.5105 RRA .2352 RC3 .1046 FAU .10095 RRT -.5159 RRF -.5388 RTF .7984 CRT .0602 CRS .0795 CST -.9716
 FDE -.0221 FRA-1.1243 FC3-1.1664 BSP 3144 SGB 1218.8 R23 .0987 R13 -.8060 LSA 343.4 MSA 310.9 SSA 18.4
 BDE .5184 BRA 1.4377 BC3 .3678 FSP -571 SG1 1167.6 SG2 349.4 TMA 168.34 EL1 343.2 EL2 294.8 ALF 78.37

LAUNCH DATE JAN 7 1966

FLIGHT TIME 80.00

ARRIVAL DATE MAR 28 1966

HELIOCENTRIC CONIC

DISTANCE 250.658

RL 147.10 LAL -1.00 LOL 106.24 VL 30.188 GAL -16.02 AZL 87.95 MCA 117.79 SMA 148.60 ECC .27609 INC 2.0533 V1 30.287
 RP 108.24 LAP 1.82 LOP 224.05 VP 39.484 GAP 2.97 A7P 90.96 TAL 255.99 TAP 13.78 RCA 107.57 APO 189.62 V2 35.010
 RC 90.946 GL 7.00 GP 15.44 ZAL 168.80 ZAP 111.49 ETS 3.39 ZAE 149.66 ETE 160.60 ZAC 25.41 ETC 176.43 CLP-112.33

PLANETOCENTRIC CONIC

C3 72.688 VML 8.526 DLA -14.24 RAL 295.65 RAD 6569.4 VEL 13.930 PTH 2.54 VMP 4.936 CPA -8.29 RAP 291.98 ECC 2.1963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 25 2074.46 -15.94 32.80 175.76 113.72 2 26 59 1474.5 -12.60 25.72
 90.00 10 6 16 5636.13 28.03 264.81 186.46 94.21 11 40 12 5036.1 28.32 256.16
 100.00 3 6 10 1836.47 -17.47 14.59 175.04 114.65 3 36 47 1236.5 -14.00 7.51
 100.00 11 35 12 5349.35 29.70 243.85 186.59 93.55 13 4 21 4749.4 29.88 235.05
 110.00 3 57 26 1675.89 -21.47 .34 172.98 117.26 4 25 22 1075.9 -17.64 353.30
 110.00 13 0 25 5082.69 34.14 223.84 186.83 91.75 14 25 8 4482.7 34.01 214.60

DIFFERENTIAL CORRECTIONS

TDE -.1008 TRA-1.4872 TC3 -.3986 BAU .4023
 RDE -.4889 RRA .2337 RC3 .1119 FAU .09931
 FDE -.0375 FRA-1.0793 FC3-1.1829 BSP 3460
 BDE .4992 BRA 1.5055 BC3 .4140 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 1236.9 SGR 413.1 SG3 185.9
 RRT -.5374 RRF -.5603 RTF .8058
 SGB 1304.0 R23 .1081 R13 -.8126
 SGI 1258.3 SG2 342.4 TMA 169.00

ORBIT DETERMINATION ACCURACY

ST 317.5 SR 332.2 SS 99.7
 CRT .0674 CRS .0383 CST -.9754
 LSA 341.7 MSA 322.3 SSA 18.5
 EL1 337.8 EL2 311.3 ALF 62.06

LAUNCH DATE JAN 7 1966

FLIGHT TIME 82.00

ARRIVAL DATE MAR 30 1966

HELIOCENTRIC CONIC

DISTANCE 256.712

RL 147.10 LAL -1.00 LOL 106.24 VL 30.088 GAL -15.80 AZL 88.07 MCA 120.99 SMA 147.60 ECC .27234 INC 1.9288 V1 30.287
 RP 108.29 LAP 1.65 LOP 227.25 VP 39.396 GAP 3.38 A7P 90.99 TAL 254.88 TAP 15.87 RCA 107.40 APO 187.80 V2 34.996
 RC 93.279 GL 6.67 GP 15.78 ZAL 168.55 ZAP 114.78 ETS 4.63 ZAE 147.52 ETE 161.21 ZAC 25.14 ETC 177.20 CLP-115.82

PLANETOCENTRIC CONIC

C3 70.469 VML 8.395 DLA -14.47 RAL 296.29 RAD 6569.4 VEL 13.850 PTH 2.53 VMP 4.974 CPA -7.98 RAP 291.67 ECC 2.1597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 3 2058.96 -15.51 31.86 175.92 113.99 2 31 21 1459.0 -12.14 24.81
 90.00 10 6 43 5637.05 28.02 264.88 186.64 94.24 11 40 40 5037.0 28.32 256.22
 100.00 3 10 38 1821.50 -17.04 13.68 175.20 114.94 3 41 0 1221.5 -13.54 6.64
 100.00 11 35 49 5349.74 29.70 243.87 186.77 93.56 13 4 58 4749.7 29.88 235.07
 110.00 4 1 33 1662.01 -21.03 359.50 173.11 117.59 4 29 15 1062.0 -17.17 352.50
 110.00 13 1 23 5081.98 34.15 223.78 187.01 91.72 14 26 5 4482.0 34.01 214.54

DIFFERENTIAL CORRECTIONS

TDE -.1147 TRA-1.5545 TC3 -.4464 BAU .4354
 RDE -.4657 RRA .2313 RC3 .1196 FAU .09731
 FDE -.0541 FRA-1.0302 FC3-1.1955 BSP 3783
 BDE .4797 BRA 1.5716 BC3 .4621 FSP -570

MID-COURSE EXECUTION ACCURACY

SGT 1329.9 SGR 409.8 SG3 184.5
 RRT -.5583 RRF -.5825 RTF .8112
 SGB 1391.6 R23 .1192 R13 -.8174
 SGI 1350.7 SG2 334.7 TMA 169.59

ORBIT DETERMINATION ACCURACY

ST 338.7 SR 321.7 SS 98.4
 CRT .0797 CRS -.0097 CST -.9780
 LSA 356.4 MSA 317.0 SSA 18.6
 EL1 345.6 EL2 314.2 ALF 28.55

LAUNCH DATE JAN 7 1966

FLIGHT TIME 84.00

ARRIVAL DATE APR 1 1966

HELIOCENTRIC CONIC

DISTANCE 262.733

RL 147.10 LAL -1.00 LOL 106.24 VL 29.986 GAL -15.58 AZL 88.20 MCA 124.19 SMA 146.60 ECC .26867 INC 1.7959 V1 30.287
 RP 108.33 LAP 1.49 LOP 230.44 VP 39.307 GAP 3.76 A7P 91.01 TAL 253.72 TAP 17.90 RCA 107.21 APO 185.99 V2 34.983
 RC 95.621 GL 6.29 GP 16.16 ZAL 168.26 ZAP 117.84 ETS 5.94 ZAE 145.54 ETE 161.63 ZAC 25.06 ETC 178.04 CLP-119.10

PLANETOCENTRIC CONIC

C3 68.270 VML 8.263 DLA -14.74 RAL 296.97 RAD 6569.3 VEL 13.770 PTH 2.52 VMP 5.022 CPA -7.61 RAP 291.55 ECC 2.1235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 2 7 2042.15 -15.05 30.85 176.11 114.27 2 36 9 1442.1 -11.64 23.82
 90.00 10 7 3 5638.84 28.01 265.01 186.86 94.31 11 41 2 5038.8 28.32 256.35
 100.00 3 15 32 1805.29 -16.57 12.70 175.38 115.24 3 45 37 1205.3 -13.04 5.70
 100.00 11 36 20 5350.92 29.69 243.96 186.99 93.61 13 5 31 4750.9 29.88 235.16
 110.00 4 6 3 1647.06 -20.56 358.60 173.27 117.93 4 33 30 1047.1 -16.66 351.64
 110.00 13 2 18 5081.92 34.15 223.78 187.24 91.71 14 27 0 4481.9 34.01 214.54

DIFFERENTIAL CORRECTIONS

TDE -.1321 TRA-1.6196 TC3 -.4961 BAU .4675
 RDE -.4412 RRA .2280 RC3 .1276 FAU .09502
 FDE -.0718 FRA -.9788 FC3-1.2050 BSP 4111
 BDE .4606 BRA 1.6355 BC3 .5122 FSP -567

MID-COURSE EXECUTION ACCURACY

SGT 1424.4 SGR 406.0 SG3 182.5
 RRT -.5788 RRF -.6059 RTF .8151
 SGB 1481.1 R23 .1323 R13 -.8209
 SGI 1444.7 SG2 326.4 TMA 170.12

ORBIT DETERMINATION ACCURACY

ST 361.1 SR 309.9 SS 97.4
 CRT .0364 CRS -.0650 CST -.9795
 LSA 376.9 MSA 305.7 SSA 18.7
 EL1 365.3 EL2 304.9 ALF 16.08

LAUNCH DATE JAN 7 1966

FLIGHT TIME 86.00

ARRIVAL DATE APR 3 1966

HELIOCENTRIC CONIC

DISTANCE 268.723

RL 147.10 LAL -1.00 LOL 106.24 VL 29.883 GAL -15.36 AZL 88.35 MCA 127.38 SMA 145.61 ECC .26509 INC 1.6526 V1 30.287
 RP 108.37 LAP 1.31 LOP 233.64 VP 39.217 GAP 4.13 A7P 91.00 TAL 252.51 TAP 19.89 RCA 107.01 APO 184.21 V2 34.970
 RC 97.969 GL 5.87 GP 16.61 ZAL 167.93 ZAP 120.69 ETS 7.32 ZAE 143.69 ETE 161.86 ZAC 25.18 ETC 178.95 CLP-122.18

PLANETOCENTRIC CONIC

C3 66.091 VML 8.130 DLA -15.04 RAL 297.69 RAD 6569.3 VEL 13.691 PTH 2.50 VMP 5.078 CPA -7.15 RAP 291.61 ECC 2.0877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 7 43 2023.73 -14.53 29.75 176.33 114.58 2 41 27 1423.7 -11.09 22.75
 90.00 10 7 11 5641.78 28.00 265.22 187.12 94.41 11 41 13 5041.8 28.32 256.57
 100.00 3 20 54 1787.58 -16.06 11.64 175.59 115.56 3 50 42 1187.6 -12.49 4.67
 100.00 11 36 41 5353.16 29.68 244.13 187.26 93.69 13 5 54 4753.2 29.88 235.33
 110.00 4 10 58 1630.80 -20.04 357.63 173.47 118.29 4 38 8 1030.8 -16.10 350.72
 110.00 13 3 7 5082.71 34.14 223.84 187.51 91.75 14 27 50 4482.7 34.01 214.60

DIFFERENTIAL CORRECTIONS

TDE -.1532 TRA-1.6818 TC3 -.5478 BAU .4988
 RDE -.4154 RRA .2237 RC3 .1363 FAU .09250
 FDE -.0904 FRA -.9251 FC3-1.2117 BSP 4443
 BDE .4428 BRA 1.6966 BC3 .5645 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 1520.2 SGR 401.8 SG3 180.0
 RRT -.5993 RRF -.6308 RTF .8177
 SGB 1572.4 R23 .1478 R13 -.8232
 SGI 1540.0 SG2 317.5 TMA 170.60

ORBIT DETERMINATION ACCURACY

ST 384.6 SR 296.9 SS 96.7
 CRT .1174 CRS -.1275 CST -.9795
 LSA 399.5 MSA 292.3 SSA 18.9
 EL1 388.3 EL2 292.0 ALF 12.08

LAUNCH DATE JAN 7 1966

FLIGHT TIME 88.00

ARRIVAL DATE APR 5 1966

HELIOCENTRIC CONIC

DISTANCE 274.684

RL 147.10 LAL -0.00 LOL 106.24 VL 29.779 GAL -15.13 AZL 88.50 MCA 130.57 SMA 144.63 ECC .26159 INC 1.4967 V1 30.287
 RP 108.41 LAP 1.14 LOP 236.83 VP 39.126 GAP 4.47 AZP 90.97 TAL 251.25 TAP 21.82 RCA 106.80 APO 182.46 V2 34.957
 RC 100.323 GL 5.39 GP 17.13 ZAL 167.56 ZAP 123.31 ETS 8.82 ZAE 141.97 ETE 161.94 ZAC 25.49 ETC 179.94 CLP-125.07

PLANETOCENTRIC CONIC

C3 63.932 VHL 7.996 DLA -15.38 RAL 298.45 RAD 6569.2 VEL 13.612 PTH 2.49 VMP 5.141 DPA -6.60 RAP 291.85 ECC 2.0522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 57 2003.32 -13.95 28.53 176.59 114.90 2 47 21 1403.3 -10.47 21.57
 90.00 10 7 2 5646.25 27.98 265.55 187.42 94.57 11 41 8 5046.2 28.32 256.90
 100.00 3 26 53 1768.01 -15.48 10.48 175.84 115.90 3 56 21 1168.0 -11.87 3.55
 100.00 11 36 47 5356.79 29.67 244.40 187.57 93.83 13 6 4 4756.8 29.88 235.60
 110.00 4 16 23 1612.93 -19.46 356.56 173.69 118.67 4 43 16 1012.9 -15.48 349.70
 110.00 13 3 46 5084.63 34.14 223.99 187.83 91.84 14 28 31 4484.6 34.02 214.75

DIFFERENTIAL CORRECTIONS

TDE -.1777 TRA-1.7395 TC3 -.6012 BAU .5286
 RDE -.3888 RRA .2179 RC3 .1453 FAU .08966
 FDE -.1072 FRA -.8667 FC3-1.2142 BSP 4756
 BDE .4275 BRA 1.7531 BC3 .6185 FSP -549

MID-COURSE EXECUTION ACCURACY

SGT 1616.1 SGR 397.3 SG3 176.9
 RRT -.6187 RRF -.6568 RTF .8189
 SGB 1664.2 R23 .1666 R13 -.8242
 SG1 1635.4 SG2 308.4 THA 171.03

ORBIT DETERMINATION ACCURACY

ST 409.2 SR 282.9 SS 95.9
 CRT .1420 CRS -.1899 CST -.9778
 LSA 423.4 MSA 277.6 S5A 19.0
 EL1 412.9 EL2 277.5 ALF 10.30

LAUNCH DATE JAN 7 1966

FLIGHT TIME 90.00

ARRIVAL DATE APR 7 1966

HELIOCENTRIC CONIC

DISTANCE 280.620

RL 147.10 LAL -0.00 LOL 106.24 VL 29.674 GAL -14.90 AZL 88.67 MCA 133.76 SMA 143.66 ECC .25818 INC 1.3251 V1 30.287
 RP 108.44 LAP .96 LOP 240.01 VP 39.035 GAP 4.80 AZP 90.92 TAL 249.95 TAP 23.71 RCA 106.57 APO 180.74 V2 34.945
 RC 102.682 GL 4.84 GP 17.75 ZAL 167.15 ZAP 125.71 ETS 10.44 ZAE 140.36 ETE 161.85 ZAC 25.98 ETC 181.02 CLP-127.79

PLANETOCENTRIC CONIC

C3 61.796 VHL 7.861 DLA -15.79 RAL 299.26 RAD 6569.2 VEL 13.533 PTH 2.47 VMP 5.211 DPA -5.95 RAP 292.23 ECC 2.0170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 58 1980.41 -13.29 27.17 176.90 115.24 2 53 58 1380.4 -9.78 20.25
 90.00 10 6 28 5652.73 27.94 266.02 187.78 94.81 11 40 41 5052.7 28.31 257.37
 100.00 3 33 35 1746.12 -14.82 9.18 176.13 116.26 4 2 41 1146.1 -11.18 2.29
 100.00 11 36 32 5362.26 29.64 244.80 187.93 94.05 13 5 55 4762.3 29.89 236.01
 110.00 4 22 26 1593.08 -18.81 355.39 173.95 119.09 4 48 59 993.1 -14.78 348.59
 110.00 13 4 11 5088.06 34.13 224.26 188.21 92.00 14 28 59 4488.1 34.03 215.01

DIFFERENTIAL CORRECTIONS

TDE -.2078 TRA-1.7940 TC3 -.6574 BAU .5581
 RDE -.3605 RRA .2114 RC3 .1555 FAU .08685
 FDE -.1292 FRA -.8110 FC3-1.2167 BSP 5089
 BDE .4161 BRA 1.8064 BC3 .6755 FSP -542

MID-COURSE EXECUTION ACCURACY

SGT 1713.9 SGR 393.0 SG3 173.8
 RRT -.6390 RRF -.6847 RTF .8198
 SGB 1758.4 R23 .1877 R13 -.8250
 SG1 1732.8 SG2 299.0 THA 171.41

ORBIT DETERMINATION ACCURACY

ST 436.0 SR 267.2 SS 96.7
 CRT .1716 CRS -.2694 CST -.9737
 LSA 449.8 MSA 261.0 S5A 19.2
 EL1 439.7 EL2 261.0 ALF 9.31

LAUNCH DATE JAN 7 1966

FLIGHT TIME 92.00

ARRIVAL DATE APR 9 1966

HELIOCENTRIC CONIC

DISTANCE 286.531

RL 147.10 LAL -0.00 LOL 106.24 VL 29.570 GAL -14.66 AZL 88.87 MCA 136.95 SMA 142.70 ECC .25487 INC 1.1345 V1 30.287
 RP 108.48 LAP .77 LOP 243.20 VP 38.945 GAP 5.11 AZP 90.83 TAL 248.61 TAP 25.56 RCA 106.33 APO 179.06 V2 34.932
 RC 105.043 GL 4.20 GP 18.47 ZAL 166.69 ZAP 127.89 ETS 12.22 ZAE 138.85 ETE 161.61 ZAC 26.63 ETC 182.22 CLP-130.35

PLANETOCENTRIC CONIC

C3 59.684 VHL 7.726 DLA -16.27 RAL 300.12 RAD 6569.1 VEL 13.455 PTH 2.46 VMP 5.288 DPA -5.16 RAP 292.75 ECC 1.9823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 28 57 1954.36 -12.52 25.64 177.26 115.61 3 1 32 1354.4 -8.98 18.76
 90.00 10 5 21 5661.90 27.89 266.68 188.20 95.14 11 39 43 5061.9 28.30 258.04
 100.00 3 41 11 1721.30 -14.07 7.72 176.48 116.65 4 9 52 1121.3 -10.38 .88
 100.00 11 35 48 5370.19 29.60 245.39 188.37 94.35 13 5 18 4770.2 29.89 236.59
 110.00 4 29 14 1570.76 -18.06 354.09 174.26 119.53 4 55 25 970.8 -13.99 347.34
 110.00 13 4 14 5093.49 34.12 224.68 188.67 92.25 14 29 8 4493.5 34.05 215.44

DIFFERENTIAL CORRECTIONS

TDE -.2437 TRA-1.8436 TC3 -.7164 BAU .5869
 RDE -.3311 RRA .2036 RC3 .1667 FAU .08392
 FDE -.1532 FRA -.7547 FC3-1.2173 BSP 5429
 BDE .4111 BRA 1.8548 BC3 .7356 FSP -533

MID-COURSE EXECUTION ACCURACY

SGT 1812.9 SGR 389.0 SG3 170.4
 RRT -.6589 RRF -.7143 RTF .8202
 SGB 1854.2 R23 .2123 R13 -.8253
 SG1 1831.4 SG2 289.7 THA 171.74

ORBIT DETERMINATION ACCURACY

ST 465.1 SR 250.2 SS 98.7
 CRT .2059 CRS -.3553 CST -.9666
 LSA 478.9 MSA 242.9 S5A 19.4
 EL1 469.0 EL2 242.8 ALF 8.65

LAUNCH DATE JAN 7 1966

FLIGHT TIME 94.00

ARRIVAL DATE APR 11 1966

HELIOCENTRIC CONIC

DISTANCE 292.420

RL 147.10 LAL -0.00 LOL 106.24 VL 29.465 GAL -14.42 AZL 89.08 MCA 140.13 SMA 141.75 ECC .25165 INC .9198 V1 30.287
 RP 108.52 LAP .59 LOP 246.38 VP 38.854 GAP 5.40 AZP 90.71 TAL 247.23 TAP 27.36 RCA 106.08 APO 177.42 V2 34.920
 RC 107.406 GL 3.46 GP 19.34 ZAL 166.18 ZAP 129.85 ETS 14.21 ZAE 137.41 ETE 161.21 ZAC 27.44 ETC 183.54 CLP-132.77

PLANETOCENTRIC CONIC

C3 57.603 VHL 7.590 DLA -16.85 RAL 301.04 RAD 6569.0 VEL 13.378 PTH 2.45 VMP 5.372 DPA -4.21 RAP 293.38 ECC 1.9480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 12 1924.26 -11.63 23.88 177.69 116.00 3 10 16 1324.3 -8.04 17.04
 90.00 10 3 26 5674.65 27.80 267.61 188.70 95.59 11 38 1 5074.6 28.29 258.97
 100.00 3 49 57 1692.75 -13.19 6.06 176.89 117.07 4 18 9 1092.8 -9.46 359.26
 100.00 11 34 23 5381.39 29.54 246.21 188.88 94.78 13 4 4 4781.4 29.89 237.43
 110.00 4 37 1 1545.30 -17.20 352.62 174.63 120.01 5 2 46 945.3 -13.08 345.93
 110.00 13 3 48 5101.60 34.09 225.31 189.23 92.62 14 28 49 4501.6 34.08 216.07

DIFFERENTIAL CORRECTIONS

TDE -.2862 TRA-1.8873 TC3 -.7784 BAU .6151
 RDE -.3004 RRA .1945 RC3 .1790 FAU .08091
 FDE -.1801 FRA -.6979 FC3-1.2161 BSP 5724
 BDE .4150 BRA 1.8973 BC3 .7987 FSP -524

MID-COURSE EXECUTION ACCURACY

SGT 1912.8 SGR 385.8 SG3 166.8
 RRT -.6782 RRF -.7454 RTF .8203
 SGB 1951.3 R23 .2406 R13 -.8253
 SG1 1931.0 SG2 280.8 THA 172.04

ORBIT DETERMINATION ACCURACY

ST 497.4 SR 231.6 SS 102.6
 CRT .2446 CRS -.4452 CST -.9562
 LSA 511.2 MSA 223.3 S5A 19.6
 EL1 501.4 EL2 222.7 ALF 8.11

LAUNCH DATE JAN 7 1966

FLIGHT TIME 96.00

ARRIVAL DATE APR 13 1966

HELIOCENTRIC CONIC

DISTANCE 298.288

RL 147.10 LAL -0.00 LOL 106.24 VL 29.360 GAL -14.17 AZL 89.33 MCA 143.31 SMA 140.82 ECC .24854 INC .6748 V1 30.287
 RP 108.56 LAP .40 LOP 249.56 VP 38.764 GAP 5.68 A7P 90.54 TAL 245.82 TAP 29.13 RCA 105.82 APO 175.83 V2 34.909
 RC 109.770 GL 2.58 GP 20.39 ZAL 165.61 ZAP 131.56 ETS 16.43 ZAE 136.02 ETE 160.64 ZAC 28.41 ETC 185.01 CLP-135.05

PLANETOCENTRIC CONIC

C3 53.558 VHL 7.454 OLA -17.55 RAL 302.02 RAD 6569.0 VEL 13.301 PTH 2.43 VHP 5.465 DPA -3.07 RAP 294.09 ECC 1.9143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 49 5 1888.84 -10.57 21.82 178.21 116.42 3 20 34 1288.8 -6.93 15.02
 90.00 10 0 25 5692.31 27.68 268.88 189.30 96.22 11 35 18 5092.3 28.25 260.26
 100.00 4 0 13 1659.34 -12.15 4.13 177.39 117.52 4 27 52 1059.3 -8.37 357.38
 100.00 11 31 59 5397.04 29.45 247.37 189.50 95.38 13 1 56 4797.0 29.88 238.59
 110.00 4 46 1 1515.82 -16.19 350.93 175.08 120.53 5 11 17 915.8 -12.02 344.31
 110.00 13 2 40 5113.33 34.05 226.23 189.91 93.16 14 27 53 4513.3 34.12 216.98

DIFFERENTIAL CORRECTIONS

TOE -.3373 TRA-1.9241 TC3 -.8435 BAU .6427
 RDE -.2684 RRA .1836 RC3 .1928 FAU .07780
 FDE -.2107 FRA -.6406 FC3-1.2123 BSP 6117
 BOE .4310 BRA 1.9328 BC3 .8653 FSP -514

MID-COURSE EXECUTION ACCURACY

SGT 2013.6 SGR 383.6 SG3 163.0
 RRT -.6961 RRF -.7775 RTF .8202
 SGB 2049.8 R23 .2727 R13 -.8253
 SG1 2031.6 SG2 272.9 TMA 172.31

ORBIT DETERMINATION ACCURACY

ST 534.0 SR 211.2 SS 108.9
 CRT .2881 CRS -.5352 CST -.9430
 LSA 548.1 MSA 202.2 SSA 19.8
 EL1 538.1 EL2 200.7 ALF 7.56

LAUNCH DATE JAN 7 1966

FLIGHT TIME 98.00

ARRIVAL DATE APR 15 1966

HELIOCENTRIC CONIC

DISTANCE 304.138

RL 147.10 LAL -0.00 LOL 106.24 VL 29.255 GAL -13.91 AZL 89.61 MCA 146.49 SMA 139.92 ECC .24554 INC .3900 V1 30.287
 RP 108.59 LAP .22 LOP 252.74 VP 38.675 GAP 5.94 A7P 90.33 TAL 244.38 TAP 30.87 RCA 105.56 APO 174.27 V2 34.897
 RC 112.133 GL 1.52 GP 21.65 ZAL 164.95 ZAP 133.02 ETS 18.95 ZAE 134.64 ETE 159.88 ZAC 29.53 ETC 186.66 CLP-137.22

PLANETOCENTRIC CONIC

C3 53.560 VHL 7.318 OLA -18.41 RAL 303.10 RAD 6568.9 VEL 13.226 PTH 2.42 VHP 5.570 DPA -1.70 RAP 294.87 ECC 1.8815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 14 1846.24 -9.27 19.37 178.88 116.88 3 33 0 1246.2 -5.59 12.62
 90.00 9 55 50 5716.82 27.49 270.65 190.02 97.09 11 31 7 5116.8 28.18 262.05
 100.00 4 12 31 1619.42 -10.88 1.84 178.02 118.01 4 39 31 1019.4 -7.05 355.15
 100.00 11 28 13 5418.89 29.30 248.98 190.26 96.22 12 58 32 4818.9 29.85 240.21
 110.00 4 56 41 1481.04 -14.98 348.97 175.64 121.09 5 21 22 881.0 -10.75 342.42
 110.00 13 0 33 5130.02 33.98 227.53 190.74 93.93 14 26 3 4530.0 34.15 218.28

DIFFERENTIAL CORRECTIONS

TOE -.3973 TRA-1.9511 TC3 -.9110 BAU .6691
 RDE -.2353 RRA .1702 RC3 .2079 FAU .07442
 FDE -.2426 FRA -.5791 FC3-1.2029 BSP 6432
 BOE .4618 BRA 1.9585 BC3 .9344 FSP -496

MID-COURSE EXECUTION ACCURACY

SGT 2113.4 SGR 382.4 SG3 158.5
 RRT -.7109 RRF -.8095 RTF .8193
 SGB 2147.7 R23 .3095 R13 -.8245
 SG1 2131.1 SG2 266.7 TMA 172.55

ORBIT DETERMINATION ACCURACY

ST 575.9 SR 189.2 SS 117.3
 CRT .3358 CRS -.6173 CST -.9292
 LSA 590.2 MSA 180.1 SSA 20.1
 EL1 579.7 EL2 177.0 ALF 6.95

LAUNCH DATE JAN 7 1966

FLIGHT TIME 100.00

ARRIVAL DATE APR 17 1966

HELIOCENTRIC CONIC

DISTANCE 309.971

RL 147.10 LAL -0.00 LOL 106.24 VL 29.151 GAL -13.65 AZL 89.95 MCA 149.67 SMA 139.03 ECC .24264 INC .0490 V1 30.287
 RP 108.63 LAP .03 LOP 255.91 VP 38.586 GAP 6.19 A7P 90.05 TAL 242.90 TAP 32.57 RCA 105.29 APO 172.76 V2 34.886
 RC 114.493 GL .21 GP 23.19 ZAL 164.18 ZAP 134.18 ETS 21.82 ZAE 133.24 ETE 158.91 ZAC 30.82 ETC 188.54 CLP-139.30

PLANETOCENTRIC CONIC

C3 51.628 VHL 7.185 OLA -19.50 RAL 304.27 RAD 6568.9 VEL 13.153 PTH 2.40 VHP 5.689 DPA -.04 RAP 295.68 ECC 1.8497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 33 1793.61 -7.63 16.36 179.75 117.35 3 48 27 1193.6 -3.91 9.86
 90.00 9 48 53 5751.24 27.17 273.12 190.89 98.29 11 24 44 5151.2 28.04 264.56
 100.00 4 27 42 1570.50 -9.31 359.07 178.85 118.54 4 53 52 970.5 -5.42 352.43
 100.00 11 22 26 5449.58 29.05 251.22 191.18 97.38 12 53 16 4849.6 29.77 242.49
 110.00 5 9 37 1439.12 -13.49 346.63 176.37 121.71 5 33 36 839.1 -9.20 340.16
 110.00 12 57 0 5153.73 33.86 229.37 191.79 95.01 14 22 53 4553.7 34.18 220.14

DIFFERENTIAL CORRECTIONS

TOE -.4724 TRA-1.9690 TC3 -.9824 BAU .6956
 RDE -.1997 RRA .1547 RC3 .2250 FAU .07100
 FDE -.2832 FRA -.5194 FC3-1.1905 BSP 6782
 BOE .5129 BRA 1.9751 BC3 1.0079 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 2215.7 SGR 383.5 SG3 153.9
 RRT -.7233 RRF -.8417 RTF .8192
 SGB 2248.6 R23 .3485 R13 -.8245
 SG1 2233.2 SG2 262.8 TMA 172.76

ORBIT DETERMINATION ACCURACY

ST 627.2 SR 164.3 SS 131.0
 CRT .3877 CRS -.6918 CST -.9161
 LSA 642.2 MSA 157.0 SSA 20.4
 EL1 640.6 EL2 150.6 ALF 6.15

LAUNCH DATE JAN 7 1966

FLIGHT TIME 102.00

ARRIVAL DATE APR 19 1966

HELIOCENTRIC CONIC

DISTANCE 315.787

RL 147.10 LAL -0.00 LOL 106.24 VL 29.048 GAL -13.38 AZL 90.35 MCA 152.84 SMA 138.16 ECC .23986 INC .3512 V1 30.287
 RP 108.66 LAP -.16 LOP 259.08 VP 38.499 GAP 6.42 A7P 89.69 TAL 241.39 TAP 34.23 RCA 105.02 APO 171.29 V2 34.875
 RC 116.852 GL -1.41 GP 25.08 ZAL 163.24 ZAP 134.97 ETS 25.12 ZAE 131.76 ETE 157.71 ZAC 32.28 ETC 190.71 CLP-141.29

PLANETOCENTRIC CONIC

C3 49.794 VHL 7.057 OLA -20.88 RAL 305.58 RAD 6568.8 VEL 13.083 PTH 2.39 VHP 5.830 DPA 1.99 RAP 296.49 ECC 1.8195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 40 1726.13 -5.50 12.55 180.94 117.82 4 8 26 1126.1 -1.74 5.89
 90.00 9 38 15 5800.72 26.64 276.64 191.95 99.98 11 14 56 5200.7 27.75 268.15
 100.00 4 47 5 1508.58 -7.27 355.59 179.98 119.07 5 12 13 908.6 -3.34 349.01
 100.00 11 13 32 5493.50 28.62 254.42 192.33 99.01 12 45 5 4893.5 29.57 245.74
 110.00 5 25 48 1387.21 -11.61 343.78 177.36 122.38 5 48 55 787.2 -7.26 337.39
 110.00 12 51 18 5187.63 33.63 231.99 193.13 96.54 14 17 45 4587.6 34.17 222.78

DIFFERENTIAL CORRECTIONS

TOE -.5661 TRA-1.9739 TC3-1.0565 BAU .7219
 RDE -.1616 RRA .1360 RC3 .2441 FAU .06733
 FDE -.3309 FRA -.4577 FC3-1.1707 BSP 7133
 BOE .5887 BRA 1.9785 BC3 1.0844 FSP -470

MID-COURSE EXECUTION ACCURACY

SGT 2318.8 SGR 387.2 SG3 148.7
 RRT -.7308 RRF -.8722 RTF .8195
 SGB 2350.9 R23 .3890 R13 -.8250
 SG1 2336.2 SG2 262.3 TMA 172.95

ORBIT DETERMINATION ACCURACY

ST 691.4 SR 136.3 SS 150.2
 CRT .4415 CRS -.7508 CST -.9077
 LSA 707.6 MSA 134.1 SSA 20.6
 EL1 694.1 EL2 121.8 ALF 5.13

LAUNCH DATE JAN 7 1966

FLIGHT TIME 104.00

ARRIVAL DATE APR 21 1966

HELIOCENTRIC CONIC

DISTANCE 321.589

RL 147.10 LAL -.00 LOL 106.24 VL 28.946 GAL -13.11 AZL 90.86 MCA 156.01 SMA 137.31 ECC .23718 INC .8562 V1 30.287
 RP 108.69 LAP -.35 LOP 262.25 VP 38.412 GAP 6.65 AZP 89.22 TAL 239.86 TAP 35.87 RCA 104.74 APO 169.87 V2 34.865
 RC 119.206 GL -3.48 GP 27.45 ZAL 162.03 ZAP 135.32 ETS 28.92 ZAE 130.11 ETE 156.24 ZAC 33.95 ETC 193.24 CLP-143.24

PLANETOCENTRIC CONIC

C3 48.115 VHL 6.936 CLA -22.67 RAL 307.09 RAD 6568.8 VEL 13.018 PTH 2.37 VMP 6.004 DPA 4.49 RAP 297.22 ECC 1.7918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 8 40 1634.64 -2.58 7.42 182.70 118.21 4 35 55 1034.6 1.22 .79
 90.00 9 21 16 5875.07 25.65 281.87 193.23 102.42 10 59 11 5275.1 27.11 273.50
 100.00 5 13 11 1426.41 -4.53 351.03 181.62 119.58 5 36 58 826.4 -.56 344.50
 100.00 10 59 26 5558.53 27.84 259.09 193.74 101.35 12 32 5 4958.5 29.12 250.52
 110.00 5 46 55 1320.63 -9.16 340.18 178.78 123.08 6 8 56 720.6 -4.74 333.88
 110.00 12 42 11 5237.08 35.18 235.78 194.84 98.74 14 9 28 4637.1 34.03 226.64

DIFFERENTIAL CORRECTIONS

TDE -.6846 TRA-1.9603 TC3-1.1305 BAU .7468
 RDE -.1204 RRA .1121 RC3 .2645 FAU .06318
 FDE -.3851 FRA -.3908 FC3-1.1369 BSP 7456
 BDE .6951 BRA 1.9635 BC3 1.1610 FSP -448

MID-COURSE EXECUTION ACCURACY

SGT 2420.5 SGR 393.2 SG3 142.3
 RRT -.7306 RRF -.8993 RTF .8198
 SGB 2452.2 R23 .4291 R13 -.8255
 SG1 2437.7 SG2 266.6 THA 173.15

ORBIT DETERMINATION ACCURACY

ST 774.0 SR 104.5 SS 175.5
 CRT .4930 CRS -.7909 CST -.9064
 LSA 792.2 MSA 113.6 SSA 20.4
 EL1 775.8 EL2 90.7 ALF 3.86

LAUNCH DATE JAN 7 1966

FLIGHT TIME 106.00

ARRIVAL DATE APR 23 1966

HELIOCENTRIC CONIC

DISTANCE 327.375

RL 147.10 LAL -.00 LOL 106.24 VL 28.844 GAL -12.83 AZL 91.50 MCA 159.17 SMA 136.48 ECC .23462 INC 1.5036 V1 30.287
 RP 108.72 LAP -.53 LOP 265.42 VP 38.327 GAP 6.86 AZP 88.59 TAL 238.30 TAP 37.47 RCA 104.46 APO 168.50 V2 34.856
 RC 121.557 GL -6.20 GP 30.44 ZAL 160.39 ZAP 135.06 ETS 33.31 ZAE 128.17 ETE 154.46 ZAC 35.88 ETC 196.26 CLP-145.19

PLANETOCENTRIC CONIC

C3 46.702 VHL 6.834 CLA -25.06 RAL 308.88 RAD 6568.7 VEL 12.964 PTH 2.36 VMP 6.229 DPA 7.62 RAP 297.82 ECC 1.7686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 11 1496.54 1.88 359.71 185.58 118.26 5 18 8 896.5 5.64 353.05
 90.00 8 51 2 710.20 23.58 312.38 194.59 106.15 9 2 52 110.2 25.57 304.28
 100.00 5 51 31 1308.23 -.54 344.53 184.23 119.89 6 13 19 708.2 3.44 338.01
 100.00 10 39 23 5661.78 26.25 266.35 195.40 104.85 12 9 45 5061.8 28.03 258.00
 110.00 6 16 13 1230.77 -5.79 335.40 180.97 123.75 6 36 43 630.8 -1.32 329.17
 110.00 12 27 11 5312.01 32.26 241.43 197.04 101.97 13 55 43 4712.0 33.57 232.44

DIFFERENTIAL CORRECTIONS

TDE -.8438 TRA-1.9248 TC3-1.2026 BAU .7718
 RDE -.0732 RRA .0823 RC3 .2863 FAU .05863
 FDE -.4537 FRA -.3227 FC3-1.0868 BSP 7812
 BDE .8469 BRA 1.9265 BC3 1.2362 FSP -427

MID-COURSE EXECUTION ACCURACY

SGT 2525.0 SGR 403.4 SG3 135.0
 RRT -.7221 RRF -.9215 RTF .8221
 SGB 2557.0 R23 .4635 R13 -.8281
 SG1 2541.9 SG2 277.2 THA 173.34

ORBIT DETERMINATION ACCURACY

ST 888.0 SR 66.6 SS 211.7
 CRT .5186 CRS -.7940 CST -.9139
 LSA 909.7 MSA 99.3 SSA 18.6
 EL1 888.6 EL2 56.9 ALF 2.24

LAUNCH DATE JAN 7 1966

FLIGHT TIME 108.00

ARRIVAL DATE APR 25 1966

HELIOCENTRIC CONIC

DISTANCE 333.147

RL 147.10 LAL -.00 LOL 106.24 VL 28.744 GAL -12.54 AZL 92.37 MCA 162.33 SMA 135.67 ECC .23217 INC 2.3706 V1 30.287
 RP 108.75 LAP -.72 LOP 268.59 VP 38.243 GAP 7.06 AZP 87.74 TAL 236.72 TAP 39.05 RCA 104.17 APO 167.17 V2 34.846
 RC 123.903 GL -9.88 GP 34.31 ZAL 158.01 ZAP 133.97 ETS 38.36 ZAE 125.75 ETE 152.37 ZAC 38.17 ETC 199.93 CLP-147.20

PLANETOCENTRIC CONIC

C3 45.790 VHL 6.767 CLA -28.33 RAL 311.13 RAD 6568.7 VEL 12.929 PTH 2.36 VMP 6.543 DPA 11.60 RAP 298.13 ECC 1.7536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.27 6 54 53 1118.47 14.17 338.39 193.18 114.79 7 13 31 518.5 17.39 331.20
 90.73 7 7 15 1078.38 14.18 335.47 193.19 114.78 7 25 13 478.4 17.41 328.27
 100.00 7 1 17 1097.70 6.56 332.94 189.25 119.23 7 19 35 497.7 10.41 326.26
 100.00 9 43 32 5862.42 22.05 279.77 196.66 110.71 11 21 14 5262.4 24.67 271.95
 110.00 7 1 10 1098.05 -.74 328.46 184.74 124.18 7 19 28 498.1 3.75 322.25
 110.00 12 0 8 5434.82 30.17 250.38 199.73 106.89 13 30 43 4834.8 32.18 241.75

DIFFERENTIAL CORRECTIONS

TDE -1.0652 TRA-1.8552 TC3-1.2633 BAU .7958
 RDE -.0182 RRA .0427 RC3 .3066 FAU .05331
 FDE -.5368 FRA -.2499 FC3-1.0079 BSP 8180
 BDE -1.0654 BRA 1.8557 BC3 1.3000 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 2630.8 SGR 417.2 SG3 125.9
 RRT -.7004 RRF -.9353 RTF .8269
 SGB 2663.7 R23 .4885 R13 -.8331
 SG1 2647.2 SG2 296.0 THA 173.58

ORBIT DETERMINATION ACCURACY

ST 1050.1 SR 23.3 SS 261.2
 CRT .2711 CRS -.5192 CST -.9289
 LSA 1078.0 MSA 95.7 SSA 14.6
 EL1 1050.1 EL2 22.4 ALF .34

LAUNCH DATE JAN 7 1966

FLIGHT TIME 110.00

ARRIVAL DATE APR 27 1966

HELIOCENTRIC CONIC

DISTANCE 338.904

RL 147.10 LAL -.00 LOL 106.24 VL 28.644 GAL -12.25 AZL 93.60 MCA 165.49 SMA 134.88 ECC .22982 INC 3.5997 V1 30.287
 RP 108.78 LAP -.90 LOP 271.76 VP 38.160 GAP 7.26 AZP 86.51 TAL 235.10 TAP 40.59 RCA 103.89 APO 165.88 V2 34.838
 RC 126.245 GL -15.03 GP 39.41 ZAL 154.35 ZAP 131.72 ETS 44.15 ZAE 122.53 ETE 150.03 ZAC 41.00 ETC 204.47 CLP-149.46

PLANETOCENTRIC CONIC

C3 45.928 VHL 6.777 CLA -32.93 RAL 314.18 RAD 6568.7 VEL 12.934 PTH 2.36 VMP 7.016 DPA 16.75 RAP 297.94 ECC 1.7559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.44 4 58 41 1529.10 16.26 10.02 197.40 119.04 5 24 11 929.1 20.01 3.00
 107.56 9 27 50 669.26 16.28 306.15 197.41 119.03 9 38 59 69.3 20.02 299.13
 72.44 4 58 41 1529.10 16.26 10.02 197.40 119.04 5 24 11 929.1 20.01 3.00
 107.56 9 27 50 669.26 16.28 306.15 197.41 119.03 9 38 59 69.3 20.02 299.13
 110.00 8 33 6 837.74 9.13 314.77 193.01 123.08 8 47 3 237.7 13.43 308.30
 110.00 10 52 36 5696.66 23.68 267.94 201.46 115.41 12 27 33 5096.7 26.90 260.26

DIFFERENTIAL CORRECTIONS

TDE -1.3921 TRA-1.7280 TC3-1.2895 BAU .8154
 RDE .0472 RRA -.0140 RC3 .3172 FAU .04675
 FDE -.6356 FRA -.1682 FC3 -.8812 BSP 8491
 BDE 1.3929 BRA 1.7280 BC3 1.3280 FSP -364

MID-COURSE EXECUTION ACCURACY

SGT 2733.1 SGR 432.1 SG3 114.1
 RRT -.6554 RRF -.9334 RTF .8353
 SGB 2767.1 R23 .5006 R13 -.8416
 SG1 2748.0 SG2 324.6 THA 174.00

ORBIT DETERMINATION ACCURACY

ST 1288.7 SR 42.1 SS 328.0
 CRT -.8363 CRS .9512 CST -.9480
 LSA 1326.4 MSA 103.5 SSA 9.5
 EL1 1289.2 EL2 23.1 ALF 178.43

LAUNCH DATE JAN 7 1966

FLIGHT TIME 112.00

ARRIVAL DATE APR 29 1966

HELIOCENTRIC CONIC

DISTANCE 344.641

RL 147.10 LAL -0.00 LOL 106.24 VL 28.546 GAL -11.94 AZL 95.49 HCA 168.63 SMA 134.12 ECC .22757 INC 5.4911 V1 30.287
 RP 108.80 LAP -1.08 LOP 274.92 VP 38.080 GAP 7.44 AZP 84.62 TAL 233.47 TAP 42.10 RCA 103.60 APO 164.64 V2 34.830
 RC 128.581 GL -22.54 GP 46.26 ZAL 148.43 ZAP 127.78 ETS 50.84 ZAE 117.95 ETE 147.77 ZAC 44.64 ETC 210.28 CLP-152.38

PLANETOCENTRIC CONIC

C3 48.619 VML 6.973 OLA -39.60 RAL 318.91 RAD 6568.8 VEL 13.038 PTH 2.38 VMP 7.817 DPA 23.51 RAP 296.76 ECC 1.8001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.08 4 15 9 1729.23 18.61 27.58 204.88 125.61 4 43 59 1129.2 23.12 20.93
 118.92 10 49 2 5785.68 18.62 271.90 204.89 125.60 12 25 28 5185.7 23.14 265.25
 61.08 4 15 9 1729.23 18.61 27.58 204.88 125.61 4 43 59 1129.2 23.12 20.93
 118.92 10 49 2 5785.68 18.62 271.90 204.89 125.60 12 25 28 5185.7 23.14 265.25
 61.08 4 15 9 1729.23 18.61 27.58 204.88 125.61 4 43 59 1129.2 23.12 20.93
 118.92 10 49 2 5785.68 18.62 271.90 204.89 125.60 12 25 28 5185.7 23.14 265.25

DIFFERENTIAL CORRECTIONS

TDE-1.9304 TRA-1.5019 TC3-1.2373 BAU .8277
 RDE .1213 RRA -.0986 RC3 .3014 FAU .03875
 FDE -.7579 FRA -.0798 FC3 -.6900 BSP 8831
 BDE 1.9342 BRA 1.5052 BC3 1.2735 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 2838.8 SGR 444.6 SG3 99.3
 RRT -.5664 RRF -.8954 RTF .8534
 SGB 2873.4 R23 .4901 R13 -.8591
 SG1 2850.1 SG2 365.0 TMA 174.85

ORBIT DETERMINATION ACCURACY

ST 1658.2 SR 105.3 SS 421.4
 CRT -.8223 CRS .9380 CST -.9681
 LSA 1710.1 MSA 118.0 SSA 5.3
 EL1 1660.5 EL2 59.8 ALF 177.01

LAUNCH DATE JAN 7 1966

FLIGHT TIME 114.00

ARRIVAL DATE MAY 1 1966

HELIOCENTRIC CONIC

DISTANCE 350.348

RL 147.10 LAL -0.00 LOL 106.24 VL 28.449 GAL -11.63 AZL 98.79 HCA 171.75 SMA 133.37 ECC .22538 INC 8.7937 V1 30.287
 RP 108.82 LAP -1.26 LOP 278.09 VP 38.000 GAP 7.60 AZP 81.30 TAL 231.80 TAP 43.55 RCA 103.32 APO 163.43 V2 34.822
 RC 130.911 GL -33.69 GP 55.56 ZAL 138.69 ZAP 121.47 ETS 59.16 ZAE 111.09 ETE 146.86 ZAC 49.47 ETC 218.43 CLP-157.39

PLANETOCENTRIC CONIC

C3 58.981 VML 7.680 OLA -49.11 RAL 327.77 RAD 6569.1 VEL 13.429 PTH 2.45 VMP 9.384 DPA 32.41 RAP 293.44 ECC 1.9707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.04 3 59 20 1912.50 19.92 45.37 219.47 135.87 4 31 13 1312.5 25.55 39.62
 131.96 12 15 36 5697.97 19.93 265.16 219.49 135.87 13 50 34 5098.0 25.56 259.41
 48.04 3 59 20 1912.50 19.92 45.37 219.47 135.87 4 31 13 1312.5 25.55 39.62
 131.96 12 15 36 5697.97 19.93 265.16 219.49 135.87 13 50 34 5098.0 25.56 259.41
 48.04 3 59 20 1912.50 19.92 45.37 219.47 135.87 4 31 13 1312.5 25.55 39.62
 131.96 12 15 36 5697.97 19.93 265.16 219.49 135.87 13 50 34 5098.0 25.56 259.41

DIFFERENTIAL CORRECTIONS

TDE-2.9457 TRA-1.0546 TC3-1.0088 BAU .8141
 RDE .1377 RRA -.2334 RC3 .2201 FAU .02889
 FDE -.9078 FRA .0245 FC3 -.4241 BSP 9188
 BDE 2.9489 BRA 1.0802 BC3 1.0325 FSP -262

MID-COURSE EXECUTION ACCURACY

SGT 2945.4 SGR 442.3 SG3 81.2
 RRT -.3299 RRF -.7148 RTF .8899
 SGB 2978.4 R23 .4398 R13 -.8931
 SG1 2949.0 SG2 417.0 TMA 177.11

ORBIT DETERMINATION ACCURACY

ST 2227.5 SR 130.5 SS 549.4
 CRT -.6793 CRS .7967 CST -.9847
 LSA 2294.1 MSA 132.8 SSA 2.6
 EL1 2229.3 EL2 95.7 ALF 177.72

LAUNCH DATE JAN 7 1966

FLIGHT TIME 116.00

ARRIVAL DATE MAY 3 1966

HELIOCENTRIC CONIC

DISTANCE 355.990

RL 147.10 LAL -0.00 LOL 106.24 VL 28.354 GAL -11.30 AZL 106.00 HCA 174.81 SMA 132.65 ECC .22313 INC16.0009 V1 30.287
 RP 108.85 LAP -1.43 LOP 281.25 VP 37.922 GAP 7.75 AZP 74.06 TAL 230.10 TAP 44.91 RCA 103.05 APO 162.25 V2 34.816
 RC 133.236 GL -49.16 GP 67.61 ZAL 123.48 ZAP 112.15 ETS 74.35 ZAE 100.14 ETE 153.60 ZAC 55.63 ETC 234.58 CLP-171.91

PLANETOCENTRIC CONIC

C3 102.643 VML 10.131 OLA -59.96 RAL 349.10 RAD 6570.0 VEL 14.966 PTH 2.70 VMP 13.243 DPA 43.43 RAP 284.29 ECC 2.6892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.66 4 45 53 2122.51 15.62 63.13 249.78 148.68 5 21 16 1522.5 22.40 59.06
 145.34 14 19 10 5742.48 15.63 264.31 249.80 148.68 15 54 53 5142.5 22.42 260.24
 34.66 4 45 53 2122.51 15.62 63.13 249.78 148.68 5 21 16 1522.5 22.40 59.06
 145.34 14 19 10 5742.48 15.63 264.31 249.80 148.68 15 54 53 5142.5 22.42 260.24
 34.66 4 45 53 2122.51 15.62 63.13 249.78 148.68 5 21 16 1522.5 22.40 59.06
 145.34 14 19 10 5742.48 15.63 264.31 249.80 148.68 15 54 53 5142.5 22.42 260.24

DIFFERENTIAL CORRECTIONS

TDE-5.0155 TRA .0743 TC3 -.4933 BAU .6801
 RDE -.7040 RRA -.3479 RC3 .0475 FAU .01697
 FDE-1.0899 FRA .1919 FC3 -.1432 BSP 9349
 BDE 5.0647 BRA .3557 BC3 .4956 FSP -195

MID-COURSE EXECUTION ACCURACY

SGT 3008.6 SGR 567.6 SG3 61.8
 RRT .5857 RRF .3261 RTF .9561
 SGB 3061.7 R23 -.3049 R13 .9511
 SG1 3027.3 SG2 457.2 TMA 6.45

ORBIT DETERMINATION ACCURACY

ST 2836.7 SR 415.3 SS 709.2
 CRT .9561 CRS -.9236 CST -.9954
 LSA 2950.1 MSA 139.4 SSA 1.3
 EL1 2864.4 EL2 120.4 ALF 7.98

LAUNCH DATE JAN 7 1966

FLIGHT TIME 118.00

ARRIVAL DATE MAY 5 1966

HELIOCENTRIC CONIC

DISTANCE 361.331

RL 147.10 LAL -0.00 LOL 106.24 VL 28.260 GAL -10.90 AZL 131.14 HCA 177.57 SMA 131.95 ECC .22012 INC41.1408 V1 30.287
 RP 108.87 LAP -1.60 LOP 284.42 VP 37.846 GAP 7.80 AZP 48.88 TAL 228.29 TAP 45.86 RCA 102.90 APO 160.99 V2 34.809
 RC 135.553 GL -59.35 GP 70.28 ZAL 104.67 ZAP 100.45 ETS 139.56 ZAE 78.70 ETE 212.16 ZAC 60.82 ETC 304.16 CLP 122.52

PLANETOCENTRIC CONIC

C3 450.372 VML 21.222 OLA -56.81 RAL 25.15 RAD 6572.2 VEL 23.910 PTH 3.31 VMP 27.725 DPA 50.15 RAP 254.08 ECC 8.4120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.46 7 19 37 2323.76 2.61 67.40 293.43 146.77 7 58 21 1723.8 9.29 63.38
 141.54 16 33 5 693.94 2.62 295.48 293.45 146.77 16 44 39 93.9 9.30 291.47
 38.46 7 19 37 2323.76 2.61 67.40 293.43 146.77 7 58 21 1723.8 9.29 63.38
 141.54 16 33 5 693.94 2.62 295.48 293.45 146.77 16 44 39 93.9 9.30 291.47
 38.46 7 19 37 2323.76 2.61 67.40 293.43 146.77 7 58 21 1723.8 9.29 63.38
 141.54 16 33 5 693.94 2.62 295.48 293.45 146.77 16 44 39 93.9 9.30 291.47

DIFFERENTIAL CORRECTIONS

TDE-1.2398 TRA 2.0675 TC3 -.0082 BAU .6034
 RDE-7.9796 RRA 3.5835 RC3 .0999 FAU-.00607
 FDE-1.2698 FRA .8226 FC3 .0117 BSP 8452
 BDE 8.0754 BRA 4.1371 BC3 .1002 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1073.7 SGR 2818.5 SG3 46.1
 RRT .8288 RRF .9820 RTF .9195
 SGB 3016.1 R23 -.1260 R13 .9920
 SG1 2961.4 SG2 571.7 TMA 71.77

ORBIT DETERMINATION ACCURACY

ST 453.4 SR 2218.7 SS 871.4
 CRT .8780 CRS -.9950 CST -.9213
 LSA 2416.1 MSA 223.9 SSA .3
 EL1 2254.4 EL2 213.6 ALF 79.73

LAUNCH DATE JAN 7 1966

FLIGHT TIME 120.00

ARRIVAL DATE MAY 7 1966

HELIOCENTRIC CONIC

DISTANCE 368.525

RL 147.10 LAL -.00 LOL 106.24 VL 28.167 GAL -10.89 AZL 37.13 MCA 182.21 SMA 131.26 ECC .22297 INC12.8672 V1 30.287
 RP 108.88 LAP -1.76 LOP 287.58 VP 37.772 GAP 8.38 AZP 142.85 TAL 227.02 TAP 49.23 RCA 102.00 APO 160.53 V2 34.804
 RC 137.863 GL 56.48 GP -67.17 ZAL 101.68 ZAP 100.05 ETS 198.01 ZAE 71.52 ETE 128.33 ZAC 86.73 ETC 43.50 CLP 116.71

PLANETOCENTRIC CONIC

C3 699.595 VHL 26.450 DLA 48.14 RAL 325.49 RAD 6572.7 VEL 28.651 PTH 3.43 VMP 31.033 DPA -69.34 RAP 159.40 ECC12.5136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.30 15 52 35 4926.54 -.67 229.41 234.90 41.87 17 14 42 4326.5 -6.61 224.46
 130.70 0 4 6 3445.11 -.65 113.35 234.89 41.87 1 1 31 2845.1 -6.60 108.40
 49.30 15 52 35 4926.54 -.67 229.41 234.90 41.87 17 14 42 4326.5 -6.61 224.46
 130.70 0 4 6 3445.11 -.65 113.35 234.89 41.87 1 1 31 2845.1 -6.60 108.40
 49.30 15 52 35 4926.54 -.67 229.41 234.90 41.87 17 14 42 4326.5 -6.61 224.46
 130.70 0 4 6 3445.11 -.65 113.35 234.89 41.87 1 1 31 2845.1 -6.60 108.40

DIFFERENTIAL CORRECTIONS

TDE 1.1726 TRA 1.5333 TC3 -.0357 BAU 1.4442
 RDE -11.6199 RRA 4.4075 RC3 -.1502 FAU -.01710
 FDE 2.1648 FRA -.6445 FC3 .0212 BSP 9953
 BDE 11.6789 BRA 4.6665 BC3 .1544 FSP -158

MID-COURSE EXECUTION ACCURACY

SGT 589.7 SGR 3002.3 SG3 45.4
 RRT -1.257 RRF -.9941 RTF -.0197
 SGB 3059.7 R23 -.1110 R13 -.9936
 SG1 3003.3 SG2 584.9 THA 88.53

ORBIT DETERMINATION ACCURACY

ST 294.7 SR 2553.5 SS 1268.6
 CRT -.7643 CRS .9994 CST .7870
 LSA 2860.0 MSA 192.2 S5A .9
 EL1 2563.5 EL2 189.3 ALF 95.07

LAUNCH DATE JAN 7 1966

FLIGHT TIME 122.00

ARRIVAL DATE MAY 9 1966

HELIOCENTRIC CONIC

DISTANCE 373.772

RL 147.10 LAL -.00 LOL 106.24 VL 28.075 GAL -10.46 AZL 66.87 MCA 184.89 SMA 130.60 ECC .21996 INC23.1310 V1 30.287
 RP 108.90 LAP -1.92 LOP 290.74 VP 37.699 GAP 8.40 AZP 113.06 TAL 225.15 TAP 50.04 RCA 101.87 APO 159.33 V2 34.799
 RC 140.164 GL 56.82 GP -67.19 ZAL 113.32 ZAP 112.80 ETS 264.52 ZAE 95.47 ETE 190.20 ZAC 83.85 ETC 109.00 CLP -178.00

PLANETOCENTRIC CONIC

C3 167.928 VHL 12.959 DLA 41.20 RAL 309.01 RAD 6570.8 VEL 17.007 PTH 2.92 VMP 14.006 DPA -83.60 RAP 29.83 ECC 3.7637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.72 15 23 13 4672.02 -7.69 213.08 210.15 49.39 16 41 5 4072.0 -12.84 207.28
 121.28 22 18 4 3381.62 -7.67 114.46 210.14 49.39 23 14 26 2781.6 -12.83 108.66
 58.72 15 23 13 4672.02 -7.69 213.08 210.15 49.39 16 41 5 4072.0 -12.84 207.28
 121.28 22 18 4 3381.62 -7.67 114.46 210.14 49.39 23 14 26 2781.6 -12.83 108.66
 58.72 15 23 13 4672.02 -7.69 213.08 210.15 49.39 16 41 5 4072.0 -12.84 207.28
 121.28 22 18 4 3381.62 -7.67 114.46 210.14 49.39 23 14 26 2781.6 -12.83 108.66

DIFFERENTIAL CORRECTIONS

TDE 4.5528 TRA -3.6754 TC3 -.1968 BAU .4468
 RDE -1.4776 RRA 2.3429 RC3 .0295 FAU .01486
 FDE 1.2119 FRA -.6852 FC3 -.0766 BSP 10333
 BDE 4.7866 BRA 4.3586 BC3 .1990 FSP -200

MID-COURSE EXECUTION ACCURACY

SGT 2996.2 SGR 1525.8 SG3 60.4
 RRT -.9466 RRF -.8622 RTF .9786
 SGB 3362.3 R23 -.2625 R13 -.9635
 SG1 3333.2 SG2 442.1 THA 153.77

ORBIT DETERMINATION ACCURACY

ST 2114.8 SR 772.9 SS 664.7
 CRT -.9683 CRS .9420 CST -.9960
 LSA 2339.4 MSA 196.9 S5A 1.3
 EL1 2244.2 EL2 181.9 ALF 160.38

LAUNCH DATE JAN 7 1966

FLIGHT TIME 124.00

ARRIVAL DATE MAY 11 1966

HELIOCENTRIC CONIC

DISTANCE 379.375

RL 147.10 LAL -.00 LOL 106.24 VL 27.985 GAL -10.10 AZL 74.83 MCA 187.93 SMA 129.96 ECC .21820 INC15.1716 V1 30.287
 RP 108.91 LAP -2.07 LOP 293.90 VP 37.629 GAP 8.52 AZP 105.03 TAL 223.37 TAP 51.30 RCA 101.60 APO 158.31 V2 34.795
 RC 142.456 GL 49.45 GP -54.26 ZAL 121.37 ZAP 124.19 ETS 285.51 ZAE 107.32 ETE 205.22 ZAC 78.15 ETC 130.11 CLP -164.20

PLANETOCENTRIC CONIC

C3 90.057 VHL 9.490 DLA 32.79 RAL 308.16 RAD 6569.8 VEL 14.540 PTH 2.64 VMP 9.799 DPA -70.55 RAP 348.22 ECC 2.4821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.73 16 34 46 4327.74 -10.71 187.54 201.11 58.82 17 46 53 3727.7 -14.77 180.88
 107.27 20 59 48 3480.59 -10.70 124.63 201.10 58.82 21 57 49 2880.6 -14.75 117.97
 72.73 16 34 46 4327.74 -10.71 187.54 201.11 58.82 17 46 53 3727.7 -14.77 180.88
 107.27 20 59 48 3480.59 -10.70 124.63 201.10 58.82 21 57 49 2880.6 -14.75 117.97
 110.00 22 30 30 3201.44 -19.04 108.04 206.08 61.06 23 23 51 2601.4 -22.75 100.87
 110.00 20 3 15 3654.88 -2.60 132.86 195.88 55.90 21 4 10 3054.9 -7.05 126.61

DIFFERENTIAL CORRECTIONS

TDE 2.9887 TRA -3.7131 TC3 -.6131 BAU .7382
 RDE .0072 RRA .8381 RC3 .0074 FAU .02744
 FDE 1.0748 FRA -.6271 FC3 -.2638 BSP 10852
 BDE 2.9887 BRA 3.8065 BC3 .6131 FSP -268

MID-COURSE EXECUTION ACCURACY

SGT 3423.7 SGR 602.1 SG3 80.8
 RRT -.7828 RRF -.4890 RTF .9228
 SGB 3476.2 R23 -.3889 R13 -.9171
 SG1 3456.3 SG2 371.1 THA 172.07

ORBIT DETERMINATION ACCURACY

ST 1974.1 SR 180.6 SS 561.3
 CRT -.3832 CRS .1803 CST -.9776
 LSA 2050.3 MSA 202.7 S5A 1.9
 EL1 1975.4 EL2 166.7 ALF 177.98

LAUNCH DATE JAN 7 1966

FLIGHT TIME 126.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 385.040

RL 147.10 LAL -.00 LOL 106.24 VL 27.897 GAL -9.75 AZL 78.36 MCA 191.04 SMA 129.33 ECC .21679 INC11.6410 V1 30.287
 RP 108.92 LAP -2.21 LOP 297.06 VP 37.560 GAP 8.66 AZP 101.43 TAL 221.60 TAP 52.64 RCA 101.29 APO 157.37 V2 34.791
 RC 144.737 GL 43.62 GP -44.05 ZAL 126.26 ZAP 132.89 ETS 293.47 ZAE 114.59 ETE 206.29 ZAC 74.17 ETC 138.44 CLP -161.27

PLANETOCENTRIC CONIC

C3 64.678 VHL 8.042 DLA 26.96 RAL 309.45 RAD 6569.2 VEL 13.639 PTH 2.49 VMP 8.223 DPA -59.96 RAP 341.42 ECC 2.0644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 20 9 8 3576.74 -18.64 135.77 199.94 68.29 21 8 45 2976.7 -21.42 128.20
 90.00 17 35 40 4078.41 -3.88 165.19 192.98 61.93 18 43 38 3478.4 -7.60 158.49
 100.00 22 4 26 3205.05 -22.37 109.95 201.47 69.64 22 57 51 2605.1 -24.94 102.10
 100.00 18 23 3 3925.33 -.38 152.01 191.04 60.11 19 28 29 3325.3 -4.35 145.48
 110.00 0 11 26 2819.97 -29.58 83.49 204.26 72.02 0 58 26 2220.0 -31.74 74.96
 110.00 18 36 29 3883.17 6.11 144.80 187.02 56.30 19 41 12 3283.2 1.64 138.57

DIFFERENTIAL CORRECTIONS

TDE 2.2330 TRA -3.4304 TC3 -.9745 BAU .8427
 RDE .1819 RRA .4676 RC3 -.0147 FAU .03545
 FDE 1.0065 FRA -.5617 FC3 -.4745 BSP 11169
 BDE 2.2404 BRA 3.4820 BC3 .9746 FSP -323

MID-COURSE EXECUTION ACCURACY

SGT 3548.9 SGR 396.3 SG3 98.4
 RRT -.9601 RRF -.1260 RTF .8842
 SGB 3570.9 R23 -.4509 R13 -.8816
 SG1 3555.9 SG2 327.6 THA 176.39

ORBIT DETERMINATION ACCURACY

ST 1793.8 SR 171.4 SS 518.6
 CRT .3689 CRS -.6222 CST -.9571
 LSA 1862.9 MSA 214.1 S5A 3.0
 EL1 1794.9 EL2 159.2 ALF 2.03

LAUNCH DATE JAN 7 1966

FLIGHT TIME 128.00

ARRIVAL DATE MAY 13 1966

HELIOCENTRIC CONIC

DISTANCE 390.723

RL 147.10 LAL -.00 LOL 106.24 VL 27.810 GAL -9.39 AZL 80.35 MCA 194.17 SMA 128.72 ECC .21559 INC 9.6529 V1 30.287
 RP 108.93 LAP -2.35 LOP 300.22 VP 37.492 GAP 8.80 AZP 99.36 TAL 219.81 TAP 53.98 RCA 100.97 APO 156.47 V2 34.788
 RC 147.008 GL 39.39 GP -36.51 ZAL 129.11 ZAP 139.34 ETS 298.51 ZAE 119.21 ETE 204.58 ZAC 71.96 ETC 143.78 CLP-160.69

PLANETOCENTRIC CONIC

C3 52.560 VHL 7.250 DLA 23.02 RAL 311.11 RAD 6568.9 VEL 13.188 PTH 2.41 VMP 7.500 DPA -51.97 RAP 339.37 ECC 1.8650
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 30 30 3270.28 -25.05 115.63 198.92 76.35 22 25 1 2670.3 -26.68 107.34
 90.00 16 27 36 4283.46 2.73 176.64 188.23 61.80 17 39 0 3683.5 -1.06 170.01
 100.00 23 9 22 2951.54 -27.32 92.77 199.50 77.37 23 58 33 2351.5 -28.78 84.27
 100.00 17 31 26 4077.43 4.77 160.37 187.10 60.46 18 39 23 3477.4 .80 153.83
 110.00 0 57 9 2626.62 -32.80 69.37 200.78 79.79 1 40 56 2026.6 -33.86 60.29
 110.00 18 4 4 3975.12 9.55 149.69 184.17 57.02 19 10 19 3375.1 5.14 143.38

DIFFERENTIAL CORRECTIONS

TOE 1.8248 TRA-3.2494 TC3-1.2799 BAU .8994
 ROE .2047 RRA .3262 RC3 -.0148 FAU .04018
 FDE .9408 FRA -.4907 FC3 -.6618 BSP 11450
 BOE 1.8363 BRA 3.2658 BC3 1.2800 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 3648.1 SGR 324.2 SG3 111.0
 RRT -.4300 RRF .0548 RTF .8594
 SGB 3662.5 R23 -.4726 R13 -.8580
 SG1 3650.8 SG2 292.5 TMA 177.80

ORBIT DETERMINATION ACCURACY

ST 1668.4 SR 182.3 SS 489.1
 CRT .5358 CRS -.7971 CST -.9369
 LSA 1733.8 MSA 223.5 SSA 4.2
 EL1 1671.3 EL2 153.6 ALF 3.38

LAUNCH DATE JAN 7 1966

FLIGHT TIME 130.00

ARRIVAL DATE MAY 17 1966

HELIOCENTRIC CONIC

DISTANCE 396.411

RL 147.10 LAL -.00 LOL 106.24 VL 27.725 GAL -9.04 AZL 81.63 MCA 197.32 SMA 128.13 ECC .21457 INC 8.3740 V1 30.287
 RP 108.94 LAP -2.48 LOP 303.39 VP 37.427 GAP 8.94 AZP 98.00 TAL 218.01 TAP 53.33 RCA 100.64 APO 155.63 V2 34.786
 RC 149.266 GL 36.29 GP -30.90 ZAL 130.64 ZAP 144.17 ETS 302.37 ZAE 122.23 ETE 202.34 ZAC 71.04 ETC 147.79 CLP-160.88

PLANETOCENTRIC CONIC

C3 49.382 VHL 6.737 DLA 20.31 RAL 312.86 RAD 6568.7 VEL 12.913 PTH 2.35 VMP 7.133 DPA -45.85 RAP 339.02 ECC 1.7469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 12 0 3109.03 -27.16 104.30 197.31 81.65 23 3 49 2509.0 -28.03 95.74
 90.00 16 0 4 4371.36 5.54 181.57 186.62 62.19 17 12 56 3771.4 1.78 174.91
 100.00 23 46 31 2804.22 -29.06 82.17 197.61 82.67 24 33 15 2204.2 -29.77 73.44
 100.00 17 8 14 4151.40 7.23 164.48 185.70 60.92 18 17 25 3551.4 3.30 157.90
 110.00 1 28 51 2502.63 -33.90 59.86 198.21 85.31 2 8 33 1902.6 -34.18 50.63
 110.00 17 48 19 4025.76 11.41 152.43 183.18 57.56 18 55 25 3425.8 7.05 146.05

DIFFERENTIAL CORRECTIONS

TOE 1.5728 TRA-3.0936 TC3-1.5491 BAU .9398
 ROE .2045 RRA .2520 RC3 -.0034 FAU .04277
 FDE .8763 FRA -.4221 FC3 -.8158 BSP 11750
 BOE 1.5861 BRA 3.1039 BC3 1.5491 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 3743.9 SGR 287.2 SG3 119.4
 RRT -.3709 RRF .1190 RTF .8436
 SGB 3754.9 R23 -.4668 R13 -.8426
 SG1 3745.4 SG2 266.6 TMA 178.36

ORBIT DETERMINATION ACCURACY

ST 1581.7 SR 187.0 SS 465.2
 CRT .5917 CRS -.8628 CST -.9178
 LSA 1643.1 MSA 231.0 SSA 5.4
 EL1 1585.6 EL2 150.3 ALF 4.04

LAUNCH DATE JAN 7 1966

FLIGHT TIME 132.00

ARRIVAL DATE MAY 19 1966

HELIOCENTRIC CONIC

DISTANCE 402.099

RL 147.10 LAL -.00 LOL 106.24 VL 27.641 GAL -8.67 AZL 82.52 MCA 200.46 SMA 127.56 ECC .21370 INC 7.4786 V1 30.287
 RP 108.94 LAP -2.61 LOP 308.55 VP 37.364 GAP 9.08 AZP 97.01 TAL 216.20 TAP 56.67 RCA 100.30 APO 154.82 V2 34.785
 RC 151.511 GL 33.97 GP -26.65 ZAL 131.31 ZAP 147.89 ETS 305.49 ZAE 124.28 ETE 200.17 ZAC 71.01 ETC 150.98 CLP-161.39

PLANETOCENTRIC CONIC

C3 40.506 VHL 6.384 DLA 18.44 RAL 314.64 RAD 6568.6 VEL 12.723 PTH 2.31 VMP 6.938 DPA -41.02 RAP 339.51 ECC 1.6666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 39 36 3004.04 -27.97 96.72 196.22 85.38 23 29 40 2404.0 -28.31 88.08
 90.00 15 46 38 4419.08 7.05 184.26 186.15 62.50 17 0 17 3819.1 3.31 177.58
 100.00 0 15 57 2706.00 -29.70 74.94 196.36 86.43 1 1 3 2106.0 -29.88 66.14
 100.00 16 56 54 4192.35 8.58 166.77 185.32 61.26 18 6 46 3592.3 4.68 160.16
 110.00 1 48 20 2416.95 -34.18 53.19 196.56 89.25 2 28 37 1816.9 -33.90 43.95
 110.00 17 41 0 4054.16 12.45 153.98 183.01 57.90 18 48 34 3454.2 8.12 147.56

DIFFERENTIAL CORRECTIONS

TOE 1.4050 TRA-2.9637 TC3-1.7969 BAU .9731
 ROE .2030 RRA .2041 RC3 .0130 FAU .04396
 FDE .8184 FRA -.3574 FC3 -.9395 BSP 12097
 BOE 1.4196 BRA 2.9707 BC3 1.7969 FSP -401

MID-COURSE EXECUTION ACCURACY

SGT 3839.5 SGR 266.8 SG3 124.8
 RRT -.3430 RRF .1276 RTF .8329
 SGB 3848.7 R23 -.4413 R13 -.8322
 SG1 3840.6 SG2 250.5 TMA 178.63

ORBIT DETERMINATION ACCURACY

ST 1522.0 SR 191.8 SS 446.4
 CRT .6239 CRS -.9014 CST -.9002
 LSA 1579.9 MSA 237.5 SSA 6.7
 EL1 1526.7 EL2 149.4 ALF 4.54

LAUNCH DATE JAN 7 1966

FLIGHT TIME 134.00

ARRIVAL DATE MAY 21 1966

HELIOCENTRIC CONIC

DISTANCE 407.786

RL 147.10 LAL -.00 LOL 106.24 VL 27.558 GAL -8.30 AZL 83.19 MCA 203.62 SMA 127.00 ECC .21300 INC 6.8133 V1 30.287
 RP 108.94 LAP -2.72 LOP 309.71 VP 37.302 GAP 9.22 AZP 96.25 TAL 214.38 TAP 58.00 RCA 99.95 APO 154.06 V2 34.784
 RC 153.743 GL 32.19 GP -23.35 ZAL 131.37 ZAP 150.85 ETS 308.07 ZAE 125.71 ETE 198.24 ZAC 71.59 ETC 153.58 CLP-162.03

PLANETOCENTRIC CONIC

C3 36.875 VHL 6.072 DLA 17.17 RAL 316.44 RAD 6568.4 VEL 12.580 PTH 2.28 VMP 6.837 DPA -37.08 RAP 340.49 ECC 1.6069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 59 46 2931.06 -28.25 91.41 195.65 88.01 23 48 37 2331.1 -28.23 82.74
 90.00 15 40 50 4444.59 7.85 185.71 186.25 62.71 16 54 55 3844.6 4.13 179.01
 100.00 0 34 55 2636.90 -29.88 69.81 195.70 89.12 1 18 52 2036.9 -29.68 61.02
 100.00 16 52 18 4213.99 9.29 167.99 185.48 61.46 18 2 32 3614.0 5.41 161.35
 110.00 2 4 54 2355.34 -34.13 48.38 195.65 92.10 2 44 10 1755.3 -33.46 39.20
 110.00 17 38 48 4068.31 12.96 154.76 183.30 58.09 18 46 36 3468.3 8.65 148.32

DIFFERENTIAL CORRECTIONS

TOE 1.2900 TRA-2.8454 TC3-2.0315 BAU 1.0016
 ROE .2035 RRA .1684 RC3 .0310 FAU .04425
 FDE .7684 FRA -.2967 FC3 -1.0388 BSP 12412
 BOE 1.3059 BRA 2.8504 BC3 2.0317 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 3932.5 SGR 256.7 SG3 128.2
 RRT -.3235 RRF .1127 RTF .8255
 SGB 3940.8 R23 -.4024 R13 -.8250
 SG1 3933.4 SG2 242.8 TMA 178.79

ORBIT DETERMINATION ACCURACY

ST 1482.4 SR 198.2 SS 431.9
 CRT .6512 CRS -.9289 CST -.8849
 LSA 1537.6 MSA 242.9 SSA 8.0
 EL1 1488.1 EL2 149.9 ALF 5.03

LAUNCH DATE JAN 7 1966

FLIGHT TIME 136.00

ARRIVAL DATE MAY 23 1966

HELIOCENTRIC CONIC

DISTANCE 413.471

RL 147.10 LAL -.00 LOL 106.24 VL 27.477 GAL -7.93 AZL 83.70 MCA 206.77 SMA 126.46 ECC .21245 INC 6.2969 V1 30.287
 RP 108.94 LAP -2.83 LOP 312.87 VP 37.242 GAP 9.36 AZP 95.63 TAL 212.54 TAP 59.31 RCA 99.60 APO 153.33 V2 34.784
 RC 155.962 GL 30.79 GP -20.75 ZAL 130.97 ZAP 153.26 ETS 310.20 ZAE 126.75 ETE 196.98 ZAC 72.59 ETC 155.75 CLP-162.75

PLANETOCENTRIC CONIC

C3 33.995 VML 5.831 DLA 16.32 RAL 318.28 RAD 6568.3 VEL 12.465 PTH 2.25 VHP 6.790 DPA -33.79 RAP 341.77 ECC 1.5595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 15 19 2878.97 -28.32 87.60 195.52 89.92 24 3 18 2279.0 -28.03 78.94
 90.00 15 39 56 4455.61 8.19 186.34 186.70 62.80 16 54 12 3855.6 4.48 179.62
 100.00 0 49 45 2587.12 -29.88 66.11 195.51 91.07 1 32 52 1987.1 -29.41 57.34
 100.00 16 52 7 4222.69 9.57 168.48 185.96 61.55 18 2 30 3622.7 5.70 161.83
 110.00 2 18 16 2310.15 -33.96 44.86 195.29 94.18 2 56 47 1710.2 -33.01 35.75
 110.00 17 40 5 4072.42 13.11 154.99 183.87 58.14 18 47 58 3472.4 8.80 148.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2107 TRA-2.7321 TC3-2.2596 BAU 1.0272 SGT 4023.1 SGR 253.9 SG3 130.2 ST 1458.1 SR 206.5 SS 421.8
 ROE .2056 RRA .1394 RC3 .0490 FAU .04394 RRT -.3032 RRF .0907 RTF .8200 CRT .6783 CRS -.9500 CST -.8722
 FDE .7266 FRA -.2392 FC3-1.1189 BSP 12710 SGB 4031.1 R23 -.3570 R13 -.8196 LSA 1511.8 MSA 247.5 SSA 9.3
 BDE 1.2281 BRA 2.7357 BC3 2.2602 FSP -417 SG1 4023.8 SG2 241.9 TMA 178.90 EL1 1464.9 EL2 151.0 ALF 5.55

LAUNCH DATE JAN 7 1966

FLIGHT TIME 138.00

ARRIVAL DATE MAY 25 1966

HELIOCENTRIC CONIC

DISTANCE 419.152

RL 147.10 LAL -.00 LOL 106.24 VL 27.397 GAL -7.54 AZL 84.12 MCA 209.92 SMA 125.94 ECC .21207 INC 5.8822 V1 30.287
 RP 108.94 LAP -2.93 LOP 316.04 VP 37.184 GAP 9.50 AZP 95.10 TAL 210.69 TAP 60.62 RCA 99.23 APO 152.65 V2 34.785
 RC 158.168 GL 29.68 GP -18.65 ZAL 130.21 ZAP 155.30 ETS 311.95 ZAE 127.53 ETE 195.16 ZAC 73.89 ETC 157.57 CLP-163.50

PLANETOCENTRIC CONIC

C3 31.609 VML 5.622 DLA 15.80 RAL 320.16 RAD 6568.3 VEL 12.369 PTH 2.23 VHP 6.779 DPA -30.96 RAP 343.25 ECC 1.5202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 27 48 2841.65 -28.29 84.87 195.76 91.29 24 15 7 2241.7 -27.81 76.23
 90.00 15 42 33 4456.26 8.21 186.38 187.39 62.81 16 56 49 3856.3 4.50 179.66
 100.00 1 1 47 2551.14 -29.80 63.44 195.70 92.47 1 44 18 1951.1 -29.14 54.70
 100.00 16 55 9 4222.00 9.55 168.44 186.68 61.54 18 5 31 3622.0 5.67 161.80
 110.00 2 29 26 2276.86 -33.76 42.28 195.37 95.69 3 7 23 1676.9 -32.61 33.24
 110.00 17 43 59 4069.05 12.98 154.80 184.64 58.10 18 51 48 3469.0 8.67 148.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1570 TRA-2.6199 TC3-2.4859 BAU 1.0509 SGT 4111.4 SGR 256.4 SG3 131.3 ST 1445.7 SR 216.2 SS 415.1
 ROE .2091 RRA .1146 RC3 .0864 FAU .04324 RRT -.2789 RRF .0697 RTF .8159 CRT .7063 CRS -.9662 CST -.8624
 FDE .6919 FRA -.1848 FC3-1.1844 BSP 12994 SGB 4119.4 R23 -.3105 R13 -.8155 LSA 1498.7 MSA 251.0 SSA 10.5
 BDE 1.1757 BRA 2.6224 BC3 2.4868 FSP -419 SG1 4112.0 SG2 246.1 TMA 179.00 EL1 1453.9 EL2 152.2 ALF 6.10

LAUNCH DATE JAN 7 1966

FLIGHT TIME 140.00

ARRIVAL DATE MAY 27 1966

HELIOCENTRIC CONIC

DISTANCE 424.826

RL 147.10 LAL -.00 LOL 106.24 VL 27.319 GAL -7.15 AZL 84.46 MCA 213.08 SMA 125.43 ECC .21185 INC 5.5399 V1 30.287
 RP 108.94 LAP -3.02 LOP 319.20 VP 37.128 GAP 9.65 AZP 94.65 TAL 208.83 TAP 61.91 RCA 98.86 APO 152.00 V2 34.787
 RC 160.359 GL 28.76 GP -16.92 ZAL 129.16 ZAP 157.05 ETS 313.37 ZAE 128.14 ETE 193.96 ZAC 75.41 ETC 159.13 CLP-164.26

PLANETOCENTRIC CONIC

C3 29.576 VML 5.438 DLA 15.54 RAL 322.11 RAD 6568.2 VEL 12.286 PTH 2.21 VHP 6.792 DPA -28.47 RAP 344.88 ECC 1.4867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 38 0 2815.40 -28.23 82.95 196.30 92.25 24 24 56 2215.4 -27.62 74.34
 90.00 15 47 51 4449.13 7.99 185.97 188.29 62.74 17 2 1 3849.1 4.28 179.26
 100.00 1 11 49 2525.55 -29.71 61.54 196.21 93.47 1 53 54 1925.6 -28.91 52.83
 100.00 17 0 40 4214.21 9.30 168.00 187.59 61.46 18 10 54 3614.2 5.41 161.36
 110.00 2 39 3 2252.61 -33.58 40.41 195.81 96.78 3 16 36 1652.6 -32.28 31.42
 110.00 17 49 55 4059.92 12.66 154.30 185.59 57.98 18 57 35 3459.9 8.33 147.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0900 TRA-2.5381 TC3-2.7566 BAU 1.0904 SGT 4244.0 SGR 258.2 SG3 134.0 ST 1421.3 SR 224.6 SS 396.1
 ROE .2113 RRA .0899 RC3 .0793 FAU .04355 RRT -.2518 RRF .0317 RTF .8229 CRT .7232 CRS -.9754 CST -.8535
 FDE .6375 FRA -.1603 FC3-1.2749 BSP 14043 SGB 4251.9 R23 -.2476 R13 -.8226 LSA 1471.4 MSA 249.4 SSA 12.1
 BDE 1.1103 BRA 2.5396 BC3 2.7578 FSP -473 SG1 4244.5 SG2 249.8 TMA 179.12 EL1 1430.7 EL2 154.1 ALF 6.60

LAUNCH DATE JAN 7 1966

FLIGHT TIME 142.00

ARRIVAL DATE MAY 29 1966

HELIOCENTRIC CONIC

DISTANCE 430.503

RL 147.10 LAL -.00 LOL 106.24 VL 27.242 GAL -6.75 AZL 84.75 MCA 216.24 SMA 124.94 ECC .21178 INC 5.2511 V1 30.287
 RP 108.93 LAP -3.10 LOP 322.37 VP 37.074 GAP 9.79 AZP 94.24 TAL 206.96 TAP 63.19 RCA 98.48 APO 151.39 V2 34.789
 RC 162.536 GL 28.01 GP -15.49 ZAL 127.85 ZAP 158.58 ETS 314.50 ZAE 128.64 ETE 192.93 ZAC 77.10 ETC 160.47 CLP-165.02

PLANETOCENTRIC CONIC

C3 27.798 VML 5.272 DLA 15.49 RAL 324.14 RAD 6568.1 VEL 12.214 PTH 2.19 VHP 6.822 DPA -26.24 RAP 346.61 ECC 1.4575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 46 34 2798.14 -28.18 81.69 197.11 92.88 24 33 12 2198.1 -27.49 73.09
 90.00 15 55 30 4435.41 7.56 185.19 189.36 62.63 17 9 25 3835.4 3.64 178.49
 100.00 1 20 20 2508.41 -29.63 60.28 197.01 94.13 2 2 8 1908.4 -28.74 51.58
 100.00 17 8 21 4200.37 8.84 167.22 188.68 61.33 18 18 21 3600.4 4.95 160.60
 110.00 2 47 29 2235.71 -33.44 39.11 196.55 97.54 3 24 45 1635.7 -32.04 30.16
 110.00 17 57 41 4045.84 12.15 153.53 186.70 57.80 19 5 7 3445.8 7.81 147.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1167 TRA-2.3749 TC3-2.9249 BAU 1.0876 SGT 4261.1 SGR 272.4 SG3 130.8 ST 1458.3 SR 239.0 SS 416.3
 ROE .2187 RRA .0732 RC3 .0989 FAU .04072 RRT -.2190 RRF .0516 RTF .8063 CRT .7697 CRS -.9879 CST -.8532
 FDE .6485 FRA -.0733 FC3-1.2681 BSP 13223 SGB 4269.8 R23 -.2346 R13 -.8060 LSA 1513.8 MSA 255.5 SSA 12.8
 BDE 1.1379 BRA 2.3761 BC3 2.9265 FSP -396 SG1 4261.6 SG2 265.7 TMA 179.19 EL1 1470.0 EL2 151.4 ALF 7.27

LAUNCH DATE JAN 7 1966

FLIGHT TIME 144.00

ARRIVAL DATE MAY 31 1966

HELIOCENTRIC CONIC

DISTANCE 436.170

RL 147.10 LAL -.00 LOL 106.24 VL 27.167 GAL -6.34 AZL 85.00 MCA 219.40 SMA 124.46 ECC .21190 INC 5.0027 V1 30.287
 RP 108.92 LAP -3.17 LOP 325.53 VP 37.021 GAP 9.94 AZP 93.87 TAL 205.07 TAP 64.47 RCA 98.08 APO 150.83 V2 34.792
 RC 164.699 GL 27.37 GP -14.29 ZAL 126.33 ZAP 159.95 ETS 315.36 ZAE 129.05 ETE 192.05 ZAC 78.93 ETC 161.64 CLP-165.78

PLANETOCENTRIC CONIC

C3 26.233 VHL 5.122 OLA 15.61 RAL 326.26 RAD 6568.1 VEL 12.149 PTH 2.18 VHP 6.865 DPA -24.20 RAP 348.43 ECC 1.4317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 53 53 2788.09 -28.15 80.96 190.17 93.24 24 40 21 2188.1 -27.40 72.37
 90.00 16 5 4 4416.67 6.97 184.13 190.62 62.49 17 18 41 3816.7 3.23 177.44
 100.00 1 27 45 2498.07 -29.58 59.51 198.06 94.53 2 9 23 1898.1 -28.64 50.83
 100.00 17 17 49 4181.93 8.24 166.19 189.94 61.16 18 27 31 3581.9 4.33 159.58
 110.00 2 55 6 2224.76 -33.34 38.27 197.58 98.03 3 32 11 1624.8 -31.87 29.35
 110.00 18 6 58 4028.00 11.50 152.55 187.98 57.58 19 14 6 3428.0 7.14 146.17

DIFFERENTIAL CORRECTIONS

TOE 1.1029 TRA-2.2598 TC3-3.1690 BAU 1.1121
 RDE .2228 RRA .0541 RC3 .1117 FAU .03981
 FDE .6219 FRA -.0329 FC3-1.3138 BSP 13668
 BOE 1.1252 BRA 2.2605 BC3 3.1709 FSP -408

MID-COURSE EXECUTION ACCURACY

SGT 4353.1 SGR 281.4 SG3 130.9
 RRT -.1866 RRF .0401 RTF .8075
 SGB 4362.2 R23 -.1948 R13 -.8074
 SG1 4353.4 SG2 276.4 THA 179.31

ORBIT DETERMINATION ACCURACY

ST 1466.9 SR 250.0 SS 413.4
 CRT .7973 CRS -.9932 CST -.8522
 LSA 1523.4 MSA 253.7 SSA 14.0
 EL1 1480.5 EL2 149.5 ALF 7.82

LAUNCH DATE JAN 7 1966

FLIGHT TIME 146.00

ARRIVAL DATE JUN 2 1966

HELIOCENTRIC CONIC

DISTANCE 441.832

RL 147.10 LAL -.00 LOL 106.24 VL 27.093 GAL -5.92 AZL 85.21 MCA 222.56 SMA 123.99 ECC .21219 INC 4.7835 V1 30.287
 RP 108.91 LAP -3.23 LOP 328.70 VP 36.971 GAP 10.09 AZP 93.53 TAL 203.18 TAP 65.73 RCA 97.68 APO 150.30 V2 34.796
 RC 166.847 GL 26.81 GP -13.26 ZAL 124.59 ZAP 161.19 ETS 315.99 ZAE 129.40 ETE 191.29 ZAC 80.85 ETC 162.66 CLP-166.53

PLANETOCENTRIC CONIC

C3 24.841 VHL 4.984 OLA 15.88 RAL 328.48 RAD 6568.0 VEL 12.092 PTH 2.16 VHP 6.918 DPA -22.32 RAP 350.31 ECC 1.4088
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 4 10 2784.38 -28.13 80.69 199.48 93.38 0 50 34 2184.4 -27.37 72.10
 90.00 16 16 26 4393.47 6.24 182.81 192.06 62.32 17 29 40 3793.5 2.49 176.15
 100.00 1 34 18 2493.67 -29.55 59.19 199.36 94.70 2 15 52 1893.7 -28.59 50.52
 100.00 17 28 59 4159.40 7.50 164.92 191.38 60.98 18 38 18 3559.4 3.57 158.34
 110.00 3 2 5 2219.01 -33.28 37.83 198.86 98.28 3 39 4 1619.0 -31.78 28.93
 110.00 18 17 41 4006.83 10.72 151.40 189.43 57.35 19 24 28 3406.8 6.34 145.05

DIFFERENTIAL CORRECTIONS

TOE 1.1076 TRA-2.1315 TC3-3.4065 BAU 1.1321
 RDE .2273 RRA .0369 RC3 .1238 FAU .03855
 FDE .6043 FRA .0119 FC3-1.3436 BSP 13936
 BOE 1.1307 BRA 2.1318 BC3 3.4088 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 4431.9 SGR 292.3 SG3 130.4
 RRT -.1532 RRF .0384 RTF .8070
 SGB 4441.5 R23 -.1645 R13 -.8069
 SG1 4432.1 SG2 288.9 THA 179.42

ORBIT DETERMINATION ACCURACY

ST 1488.5 SR 261.7 SS 415.9
 CRT .8273 CRS -.9964 CST -.8548
 LSA 1547.3 MSA 250.9 SSA 15.2
 EL1 1504.4 EL2 145.5 ALF 8.35

LAUNCH DATE JAN 7 1966

FLIGHT TIME 148.00

ARRIVAL DATE JUN 4 1966

HELIOCENTRIC CONIC

DISTANCE 447.487

RL 147.10 LAL -.00 LOL 106.24 VL 27.020 GAL -5.50 AZL 85.41 MCA 223.72 SMA 123.53 ECC .21267 INC 4.5929 V1 30.287
 RP 108.89 LAP -3.29 LOP 331.87 VP 36.922 GAP 10.24 AZP 93.21 TAL 201.27 TAP 66.99 RCA 97.26 APO 149.81 V2 34.800
 RC 168.980 GL 26.32 GP -12.38 ZAL 122.66 ZAP 162.32 ETS 316.39 ZAE 129.72 ETE 190.64 ZAC 82.86 ETC 163.57 CLP-167.27

PLANETOCENTRIC CONIC

C3 23.600 VHL 4.858 OLA 16.28 RAL 330.82 RAD 6568.0 VEL 12.041 PTH 2.15 VHP 6.980 DPA -20.55 RAP 352.24 ECC 1.3884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 9 43 2786.30 -28.14 80.83 201.02 93.31 0 56 9 2186.3 -27.38 72.24
 90.00 16 29 30 4366.40 5.38 181.29 193.70 62.16 17 42 16 3766.4 1.62 174.63
 100.00 1 40 11 2494.58 -29.56 59.25 200.90 94.66 2 21 45 1894.6 -28.60 50.58
 100.00 17 41 43 4133.36 6.64 163.47 193.01 60.79 18 50 37 3533.4 2.69 156.91
 110.00 3 8 37 2217.86 -33.27 37.74 200.41 98.33 3 45 35 1617.9 -31.76 28.84
 110.00 18 29 46 3982.85 9.84 150.11 191.07 57.10 19 36 9 3382.8 5.43 143.79

DIFFERENTIAL CORRECTIONS

TOE 1.1221 TRA-1.9963 TC3-3.6469 BAU 1.1514
 RDE .2316 RRA .0210 RC3 .1342 FAU .03726
 FDE .5890 FRA .0548 FC3-1.3668 BSP 14196
 BOE 1.1458 BRA 1.9964 BC3 3.6494 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 4508.1 SGR 303.8 SG3 129.6
 RRT -.1196 RRF .0402 RTF .8073
 SGB 4518.3 R23 -.1382 R13 -.8072
 SG1 4508.2 SG2 301.6 THA 179.54

ORBIT DETERMINATION ACCURACY

ST 1518.0 SR 273.3 SS 419.8
 CRT .8567 CRS -.9974 CST -.8600
 LSA 1579.4 MSA 246.0 SSA 16.4
 EL1 1536.1 EL2 139.3 ALF 8.84

LAUNCH DATE JAN 7 1966

FLIGHT TIME 150.00

ARRIVAL DATE JUN 6 1966

HELIOCENTRIC CONIC

DISTANCE 453.136

RL 147.10 LAL -.00 LOL 106.24 VL 26.949 GAL -5.06 AZL 85.58 MCA 228.88 SMA 123.09 ECC .21334 INC 4.4200 V1 30.287
 RP 108.88 LAP -3.33 LOP 335.04 VP 36.874 GAP 10.40 AZP 92.91 TAL 199.36 TAP 68.23 RCA 96.83 APO 149.36 V2 34.805
 RC 171.096 GL 25.86 GP -11.61 ZAL 120.54 ZAP 163.37 ETS 316.58 ZAE 130.00 ETE 190.08 ZAC 84.93 ETC 164.37 CLP-168.01

PLANETOCENTRIC CONIC

C3 22.495 VHL 4.743 OLA 16.78 RAL 333.28 RAD 6567.9 VEL 11.995 PTH 2.14 VHP 7.051 DPA -18.88 RAP 354.21 ECC 1.3702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 14 38 2793.41 -28.17 81.34 202.80 93.05 1 1 12 2193.4 -27.45 72.75
 90.00 16 44 12 4335.93 4.41 179.58 195.54 62.00 17 56 28 3735.9 .63 172.93
 100.00 1 45 31 2500.33 -29.59 59.68 202.69 94.44 2 27 12 1900.3 -28.66 51.00
 100.00 17 56 0 4104.25 5.67 161.86 194.85 60.60 19 4 24 3504.2 1.71 155.31
 110.00 3 14 50 2220.90 -33.30 37.98 202.21 98.20 3 51 51 1620.9 -31.81 29.06
 110.00 18 43 11 3956.44 8.86 148.69 192.90 56.85 19 49 7 3356.4 4.43 142.40

DIFFERENTIAL CORRECTIONS

TOE 1.1459 TRA-1.8533 TC3-3.8877 BAU 1.1700
 RDE .2358 RRA .0064 RC3 .1431 FAU .03592
 FDE .5761 FRA .0967 FC3-1.3823 BSP 14440
 BOE 1.1700 BRA 1.8533 BC3 3.8904 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 4580.9 SGR 315.6 SG3 128.7
 RRT -.0864 RRF .0453 RTF .8081
 SGB 4591.8 R23 -.1159 R13 -.8081
 SG1 4581.0 SG2 314.5 THA 179.66

ORBIT DETERMINATION ACCURACY

ST 1555.9 SR 284.9 SS 425.2
 CRT .8848 CRS -.9965 CST -.8675
 LSA 1620.2 MSA 239.3 SSA 17.5
 EL1 1576.3 EL2 131.1 ALF 9.27

LAUNCH DATE JAN 7 1966

FLIGHT TIME 152.00

ARRIVAL DATE JUN 8 1966

HELIOCENTRIC CONIC

DISTANCE 458.777

RL 147.10 LAL -0.00 LOL 106.24 VL 26.879 GAL -4.61 AZL 85.74 HCA 232.04 SMA 122.67 ECC .21421 INC 4.2629 VI 30.287
 RP 108.86 LAP -3.36 LOP 338.21 VP 36.829 GAP 10.57 ATP 92.63 TAL 197.43 TAP 69.47 RCA 96.39 APO 148.94 V2 34.811
 RC 173.196 GL 25.43 GP -10.95 ZAL 118.24 ZAP 164.34 ETS 316.57 ZAE 130.26 ETE 189.59 ZAC 87.06 ETC 165.09 CLP-168.73

PLANETOCENTRIC CONIC

C3 21.517 VHL 4.639 OLA 17.39 RAL 335.87 RAD 6567.9 VEL 11.954 PTH 2.13 VMP 7.128 DPA -17.29 RAP 356.22 ECC 1.3541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 19 2 2805.41 -28.21 82.22 204.83 92.61 1 5 48 2205.4 -27.55 73.62
 90.00 17 0 30 4302.42 3.34 177.70 197.61 61.86 18 12 13 3702.4 -4.45 171.07
 100.00 1 50 27 2510.62 -29.64 60.44 204.73 94.04 2 32 18 1910.6 -28.77 51.75
 100.00 18 11 47 4072.44 4.60 160.10 196.92 60.43 19 19 39 3472.4 .63 153.56
 110.00 3 20 50 2227.84 -33.37 38.51 204.28 97.89 3 57 58 1627.8 -31.92 29.58
 110.00 18 57 53 3927.99 7.79 147.17 194.95 56.61 20 3 21 3328.0 3.35 140.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1794 TRA-1.7009 TC3-4.1242 BAU 1.1872 SGT 4648.5 SGR 327.7 SG3 127.6 ST 1603.6 SR 296.5 SS 432.6
 RDE .2400 RRA -.0069 RC3 .1502 FAU .03451 RRT -.0537 RRF .0540 RTF .8090 CRT .9110 CRS -.9939 CST -.8768
 FDE .5661 FRA .1384 FC3-1.3884 BSP 14646 SGB 4660.0 R23 -.0978 R13 -.8090 LSA 1671.2 MSA 230.9 SSA 18.7
 BDE 1.2035 BRA 1.7009 BC3 4.1270 FSP -397 SG1 4648.5 SG2 327.2 THA 179.78 EL1 1626.3 EL2 120.5 ALF 9.61

LAUNCH DATE JAN 7 1966

FLIGHT TIME 154.00

ARRIVAL DATE JUN 10 1966

HELIOCENTRIC CONIC

DISTANCE 464.410

RL 147.10 LAL -0.00 LOL 106.24 VL 26.811 GAL -4.15 AZL 85.88 HCA 235.21 SMA 122.25 ECC .21529 INC 4.1187 VI 30.287
 RP 108.84 LAP -3.38 LOP 341.38 VP 36.785 GAP 10.74 ATP 92.35 TAL 195.50 TAP 70.71 RCA 95.93 APO 148.57 V2 34.817
 RC 175.278 GL 24.99 GP -10.36 ZAL 115.75 ZAP 165.25 ETS 316.35 ZAE 130.50 ETE 189.16 ZAC 89.24 ETC 165.73 CLP-169.45

PLANETOCENTRIC CONIC

C3 20.661 VHL 4.545 OLA 18.07 RAL 338.61 RAD 6567.8 VEL 11.918 PTH 2.12 VMP 7.213 DPA -15.76 RAP 358.25 ECC 1.3400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 23 1 2822.09 -28.23 83.44 207.11 92.00 1 10 3 2222.1 -27.67 74.82
 90.00 17 18 25 4266.23 2.18 175.68 199.93 61.76 18 29 31 3666.2 -1.62 169.05
 100.00 1 55 4 2525.24 -29.71 61.52 207.03 93.48 2 37 9 1925.2 -28.91 52.81
 100.00 18 29 2 4038.32 3.45 158.21 199.22 60.29 19 36 21 3438.3 -.53 151.69
 110.00 3 26 44 2238.44 -33.46 39.32 206.61 97.42 4 4 2 1638.4 -32.08 30.36
 110.00 19 13 52 3897.87 6.66 145.58 197.23 56.39 20 18 50 3297.9 2.20 139.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2182 TRA-1.5422 TC3-4.3595 BAU 1.2049 SGT 4716.6 SGR 339.3 SG3 126.5 ST 1657.9 SR 307.7 SS 439.4
 RDE .2440 RRA -.0190 RC3 .1552 FAU .03317 RRT -.0219 RRF .0629 RTF .8114 CRT .9340 CRS -.9899 CST -.8870
 FDE .5557 FRA .1775 FC3-1.3901 BSP 14894 SGB 4728.8 R23 -.0808 R13 -.8114 LSA 1728.3 MSA 220.7 SSA 19.9
 BDE 1.2424 BRA 1.5424 BC3 4.3623 FSP -396 SG1 4716.6 SG2 339.2 THA 179.91 EL1 1682.7 EL2 108.3 ALF 9.87

LAUNCH DATE JAN 7 1966

FLIGHT TIME 156.00

ARRIVAL DATE JUN 12 1966

HELIOCENTRIC CONIC

DISTANCE 470.033

RL 147.10 LAL -0.00 LOL 106.24 VL 26.743 GAL -3.68 AZL 86.01 HCA 238.37 SMA 121.84 ECC .21659 INC 3.9852 VI 30.287
 RP 108.82 LAP -3.39 LOP 344.55 VP 36.742 GAP 10.92 ATP 92.09 TAL 193.56 TAP 71.93 RCA 95.45 APO 148.23 V2 34.824
 RC 177.341 GL 24.55 GP -9.84 ZAL 113.09 ZAP 166.11 ETS 315.92 ZAE 130.74 ETE 188.79 ZAC 91.46 ETC 166.50 CLP-170.15

PLANETOCENTRIC CONIC

C3 19.924 VHL 4.464 OLA 18.83 RAL 341.51 RAD 6567.8 VEL 11.887 PTH 2.11 VMP 7.306 DPA -14.28 RAP .31 ECC 1.3279
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 26 38 2843.32 -28.29 84.99 209.66 91.23 1 14 1 2243.3 -27.82 76.35
 90.00 17 37 55 4227.66 .93 173.52 202.50 61.70 18 48 22 3627.7 -2.86 166.89
 100.00 1 59 27 2544.00 -29.78 62.91 209.60 92.75 2 41 51 1944.0 -29.08 54.18
 100.00 18 47 47 4002.21 2.23 156.23 201.78 60.18 19 54 29 3402.2 -1.75 149.71
 110.00 3 32 37 2252.52 -33.58 40.40 209.23 96.79 4 10 9 1652.5 -32.28 31.41
 110.00 19 31 6 3866.45 5.48 143.92 199.76 56.21 20 35 33 3266.5 1.00 137.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2637 TRA-1.3747 TC3-4.5851 BAU 1.2220 SGT 4781.4 SGR 350.7 SG3 125.2 ST 1720.3 SR 318.8 SS 447.0
 RDE .2481 RRA -.0299 RC3 .1581 FAU .03181 RRT .0087 RRF .0737 RTF .8143 CRT .9536 CRS -.9847 CST -.8978
 FDE .5466 FRA .2159 FC3-1.3822 BSP 15135 SGB 4794.2 R23 .0666 R13 .8143 LSA 1793.5 MSA 209.4 SSA 21.2
 BDE 1.2879 BRA 1.3751 BC3 4.5878 FSP -393 SG1 4781.4 SG2 350.7 THA .04 EL1 1747.0 EL2 94.5 ALF 10.05

LAUNCH DATE JAN 7 1966

FLIGHT TIME 158.00

ARRIVAL DATE JUN 14 1966

HELIOCENTRIC CONIC

DISTANCE 475.646

RL 147.10 LAL -0.00 LOL 106.24 VL 26.677 GAL -3.20 AZL 86.14 HCA 241.54 SMA 121.45 ECC .21812 INC 3.8605 VI 30.287
 RP 108.79 LAP -3.39 LOP 347.73 VP 36.701 GAP 11.11 ATP 91.84 TAL 191.62 TAP 73.15 RCA 94.96 APO 147.94 V2 34.832
 RC 179.385 GL 24.09 GP -9.38 ZAL 110.26 ZAP 166.92 ETS 315.27 ZAE 130.96 ETE 188.47 ZAC 93.71 ETC 166.81 CLP-170.85

PLANETOCENTRIC CONIC

C3 19.306 VHL 4.394 OLA 19.65 RAL 344.57 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 7.405 DPA -12.85 RAP 2.39 ECC 1.3177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 29 57 2868.99 -28.32 86.87 212.47 90.29 1 17 46 2269.0 -27.98 78.22
 90.00 17 59 1 4187.05 -38 171.26 205.36 61.69 19 8 48 3587.0 -4.16 164.62
 100.00 2 3 40 2566.78 -29.84 64.60 212.44 91.86 2 46 27 1966.8 -29.26 55.85
 100.00 19 7 58 3964.49 .95 154.16 204.62 60.12 20 14 3 3364.5 -3.03 147.64
 110.00 3 38 33 2269.90 -33.71 41.74 212.13 96.01 4 16 23 1669.9 -32.52 32.71
 110.00 19 49 34 3834.13 4.25 142.22 202.56 56.05 20 53 29 3234.1 -.24 136.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3158 TRA-1.1975 TC3-4.7953 BAU 1.2383 SGT 4842.6 SGR 361.7 SG3 123.9 ST 1790.9 SR 329.7 SS 454.8
 RDE .2525 RRA -.0393 RC3 .1587 FAU .03046 RRT .0385 RRF .0860 RTF .8178 CRT .9697 CRS -.9784 CST -.9086
 FDE .5384 FRA .2539 FC3-1.3658 BSP 15362 SGB 4856.0 R23 .0543 R13 .8178 LSA 1866.4 MSA 197.4 SSA 22.5
 BDE 1.3398 BRA 1.1981 BC3 4.7979 FSP -391 SG1 4842.6 SG2 361.5 THA .17 EL1 1819.3 EL2 79.3 ALF 10.14

LAUNCH DATE JAN 7 1966		FLIGHT TIME 160.00		ARRIVAL DATE JUN 16 1966	
HELIOCENTRIC CONIC		DISTANCE 481.247			
RL 147.10 LAL	-0.00 LOL 106.24 VL 26.612 GAL	-2.70 AZL 86.26 MCA 244.71 SMA 121.07 ECC	.21990 INC 3.7429 V1 30.287		
RP 108.77 LAP	-3.38 LOP 350.91 VP 36.662 GAP	11.31 AZP 91.60 TAL 189.66 TAP 74.37 RCA	94.44 APO 147.69 V2 34.840		
RC 181.409 GL	23.59 GP -8.98 ZAL 107.26 ZAP 167.69 ETS	314.40 ZAE 131.18 ETE 188.18 ZAC	96.00 ETC 167.27 CLP-171.54		
PLANETOCENTRIC CONIC					
C3 18.810 VHL	4.337 DLA 20.50 RAL 347.80 RAD 6567.8 VEL 11.840 PTH	2.10 VMP 7.512 DPA -11.45 RAP	4.49 ECC 1.3096		
LNCH AZMTH	LNCH TIME L-I TIME INJ LAT	INJ LONG INJ RT ASC INJ AZMTH	INJ TIME PO CST TIM	INJ 2 LAT	INJ 2 LONG
90.00	0 33 1 2899.02 -28.31	89.06 215.57 89.18 1 21 20	2299.0	-28.12	80.40
90.00	18 21 41 4144.74 -1.74	168.90 208.51 61.73 19 30 46	3544.7	-5.51	162.24
100.00	2 7 48 2593.41 -29.88	66.58 215.57 90.82 2 51 1	1993.4	-29.45	57.80
100.00	19 29 36 3925.59 -37	152.02 207.74 60.11 20 35 1	3325.6	-4.34	145.49
110.00	3 44 39 2290.38 -33.85	43.33 215.33 95.08 4 22 50	1690.4	-32.78	34.25
110.00	20 9 14 3801.38 3.00	140.50 205.64 55.93 21 12 35	3201.4	-1.49	134.30
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE 1.3756 TRA	-1.0077 TC3-4.9779 BAU 1.2524	SGT 4895.6 SGR 372.4 SG3 122.4	ST 1871.1 SR 340.7 SS 463.8		
RDE .2574 RRA	-.0473 RC3 .1573 FAU .02902	RRT .0678 RRF .1010 RTF .8208	CRT .9820 CRS -.9711 CST -.9192		
FDE .5320 FRA	.2930 FC3-1.3358 BSP 15512	SG8 4909.7 R23 .0452 R13 .8208	LSA 1948.6 MSA 185.4 SSA 23.7		
BDE 1.3994 BRA	1.0089 BC3 4.9804 FSP -385	SG1 4895.6 SG2 371.6 THA .30	EL1 1900.8 EL2 63.3 ALF 10.15		
LAUNCH DATE JAN 7 1966		FLIGHT TIME 162.00		ARRIVAL DATE JUN 18 1966	
HELIOCENTRIC CONIC		DISTANCE 486.833			
RL 147.10 LAL	-0.00 LOL 106.24 VL 26.548 GAL	-2.19 AZL 86.37 MCA 247.88 SMA 120.69 ECC	.22193 INC 3.6313 V1 30.287		
RP 108.74 LAP	-3.36 LOP 354.08 VP 36.624 GAP	11.51 AZP 91.37 TAL 187.71 TAP 75.59 RCA	93.91 APO 147.48 V2 34.849		
RC 183.413 GL	23.03 GP -8.61 ZAL 104.10 ZAP 168.42 ETS	313.29 ZAE 131.39 ETE 187.93 ZAC	98.30 ETC 167.68 CLP-172.23		
PLANETOCENTRIC CONIC					
C3 18.440 VHL	4.294 DLA 21.39 RAL 351.20 RAD 6567.7 VEL 11.825 PTH	2.09 VMP 7.627 DPA -10.09 RAP	6.61 ECC 1.3035		
LNCH AZMTH	LNCH TIME L-I TIME INJ LAT	INJ LONG INJ RT ASC INJ AZMTH	INJ TIME PO CST TIM	INJ 2 LAT	INJ 2 LONG
90.00	0 35 54 2933.28 -28.25	91.57 218.94 87.93 1 24 47	2333.3	-28.24	82.90
90.00	18 45 55 4101.16 -3.15	166.46 211.96 61.84 19 54 16	3501.2	-6.89	159.78
100.00	2 11 55 2623.69 -29.89	68.83 218.98 89.64 2 55 39	2023.7	-29.62	60.04
100.00	19 52 35 3885.98 -1.71	149.85 211.16 60.15 20 57 21	3286.0	-5.67	143.30
110.00	3 51 0 2313.71 -33.98	45.14 218.82 94.01 4 29 33	1713.7	-33.05	36.02
110.00	20 29 59 3768.73 1.76	138.80 209.00 55.86 21 32 48	3168.7	-2.74	132.59
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE 1.4365 TRA	-.8109 TC3-5.1391 BAU 1.2675	SGT 4950.2 SGR 382.4 SG3 121.0	ST 1952.6 SR 351.4 SS 470.8		
RDE .2628 RRA	-.0539 RC3 .1532 FAU .02770	RRT .0956 RRF .1153 RTF .8254	CRT .9904 CRS -.9631 CST -.9287		
FDE .5242 FRA	.3300 FC3-1.3003 BSP 15725	SG8 4964.9 R23 .0361 R13 .8254	LSA 2031.5 MSA 173.8 SSA 25.0		
BDE 1.4603 BRA	.8127 BC3 5.1414 FSP -382	SG1 4950.3 SG2 380.6 THA .43	EL1 1983.4 EL2 47.8 ALF 10.11		
LAUNCH DATE JAN 7 1966		FLIGHT TIME 164.00		ARRIVAL DATE JUN 20 1966	
HELIOCENTRIC CONIC		DISTANCE 492.405			
RL 147.10 LAL	-0.00 LOL 106.24 VL 26.486 GAL	-1.66 AZL 86.48 MCA 251.05 SMA 120.33 ECC	.22425 INC 3.5245 V1 30.287		
RP 108.71 LAP	-3.33 LOP 357.26 VP 36.587 GAP	11.73 AZP 91.15 TAL 185.75 TAP 76.80 RCA	93.35 APO 147.31 V2 34.858		
RC 185.395 GL	22.43 GP -8.28 ZAL 100.80 ZAP 169.11 ETS	311.91 ZAE 131.60 ETE 187.72 ZAC	100.63 ETC 168.04 CLP-172.90		
PLANETOCENTRIC CONIC					
C3 18.203 VHL	4.266 DLA 22.28 RAL 354.76 RAD 6567.7 VEL 11.815 PTH	2.09 VMP 7.751 DPA -8.76 RAP	8.75 ECC 1.2996		
LNCH AZMTH	LNCH TIME L-I TIME INJ LAT	INJ LONG INJ RT ASC INJ AZMTH	INJ TIME PO CST TIM	INJ 2 LAT	INJ 2 LONG
90.00	0 38 38 2971.63 -28.12	94.37 222.58 86.53 1 28 10	2371.6	-28.31	85.71
90.00	19 11 36 4056.75 -4.57	163.98 215.73 62.02 20 19 13	3456.7	-8.28	157.26
100.00	2 16 6 2657.37 -29.85	71.34 222.67 88.32 3 0 23	2057.4	-29.76	62.53
100.00	20 16 50 3846.23 -3.06	147.67 214.89 60.25 21 20 56	3246.2	-6.99	141.09
110.00	3 57 40 2339.59 -34.08	47.15 222.62 92.82 4 36 40	1739.6	-33.31	37.99
110.00	20 51 45 3736.78 .53	137.13 212.65 55.82 21 54 2	3136.8	-3.95	130.92
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE 1.5008 TRA	-.6037 TC3-5.2648 BAU 1.2817	SGT 5001.2 SGR 391.7 SG3 119.4	ST 2037.1 SR 362.1 SS 477.2		
RDE .2689 RRA	-.0590 RC3 .1468 FAU .02638	RRT .1227 RRF .1309 RTF .8304	CRT .9954 CRS -.9546 CST -.9373		
FDE .5166 FRA	.3669 FC3-1.2547 BSP 15932	SG8 5016.5 R23 .0286 R13 .8305	LSA 2116.9 MSA 163.3 SSA 26.1		
BDE 1.5247 BRA	.6066 BC3 5.2668 FSP -380	SG1 5001.4 SG2 388.7 THA .55	EL1 2068.7 EL2 34.3 ALF 10.04		
LAUNCH DATE JAN 7 1966		FLIGHT TIME 166.00		ARRIVAL DATE JUN 22 1966	
HELIOCENTRIC CONIC		DISTANCE 497.959			
RL 147.10 LAL	-0.00 LOL 106.24 VL 26.424 GAL	-1.11 AZL 86.58 MCA 254.22 SMA 119.98 ECC	.22686 INC 3.4217 V1 30.287		
RP 108.68 LAP	-3.29 LOP .44 VP 36.552 GAP	11.97 AZP 90.93 TAL 183.79 TAP 78.01 RCA	92.76 APO 147.19 V2 34.868		
RC 187.357 GL	21.75 GP -7.99 ZAL 97.37 ZAP 169.76 ETS	310.24 ZAE 131.80 ETE 187.52 ZAC	102.98 ETC 168.36 CLP-173.57		
PLANETOCENTRIC CONIC					
C3 18.106 VHL	4.255 DLA 23.16 RAL 358.48 RAD 6567.7 VEL 11.811 PTH	2.09 VMP 7.884 DPA -7.46 RAP	10.90 ECC 1.2980		
LNCH AZMTH	LNCH TIME L-I TIME INJ LAT	INJ LONG INJ RT ASC INJ AZMTH	INJ TIME PO CST TIM	INJ 2 LAT	INJ 2 LONG
90.00	0 41 16 3013.86 -27.91	97.44 226.49 85.01 1 31 30	2413.9	-28.31	88.79
90.00	19 38 41 4012.02 -5.99	161.46 219.81 62.27 20 45 33	3412.0	-9.66	154.70
100.00	2 20 26 2694.13 -29.74	74.06 226.64 86.89 3 5 20	2094.1	-29.86	65.26
100.00	20 42 12 3806.98 -4.38	145.51 218.93 60.40 21 45 39	3207.0	-8.29	138.90
110.00	4 4 47 2367.67 -34.15	49.34 226.71 91.53 4 44 15	1767.7	-33.56	40.15
110.00	21 14 21 3706.20 -.64	135.54 216.60 55.82 22 16 7	3106.2	-5.11	129.32
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TDE 1.5697 TRA	-.3821 TC3-5.3403 BAU 1.2931	SGT 5043.3 SGR 400.5 SG3 117.8	ST 2124.7 SR 372.7 SS 483.7		
RDE .2760 RRA	-.0624 RC3 .1384 FAU .02499	RRT .1493 RRF .1486 RTF .8348	CRT .9973 CRS -.9455 CST -.9449		
FDE .5099 FRA	.4058 FC3-1.1947 BSP 16042	SG8 5059.2 R23 .0235 R13 .8348	LSA 2205.1 MSA 154.8 SSA 26.9		
BDE 1.5938 BRA	.3871 BC3 5.3421 FSP -374	SG1 5043.7 SG2 395.9 THA .68	EL1 2157.0 EL2 27.1 ALF 9.92		

LAUNCH DATE JAN 7 1966

FLIGHT TIME 168.00

ARRIVAL DATE JUN 24 1966

HELIOCENTRIC CONIC

DISTANCE 503.493

RL 147.10 LAL -0.00 LOL 106.24 VL 26.364 GAL -5.55 AZL 86.68 MCA 257.40 SMA 119.63 ECC .22978 INC 3.3220 V1 30.287
 RP 108.65 LAP -3.24 LOP 3.62 VP 36.519 GAP 12.21 AZP 90.73 TAL 181.83 TAP 79.23 RCA 92.14 APO 147.12 V2 34.878
 RC 189.297 GL 21.01 GP -7.72 ZAL 93.83 ZAP 170.38 ETS 308.25 ZAE 132.01 ETE 187.35 ZAC 105.35 ETC 168.64 CLP-174.24

PLANETOCENTRIC CONIC

C3 18.160 VHL 4.261 DLA 24.02 RAL 2.35 RAD 6567.7 VEL 11.813 PTM 2.09 VMP 8.027 CPA -6.18 RAP 13.06 ECC 1.2989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 43 52 3059.65 -27.59 100.75 230.65 83.37 1 34 52 2459.7 -28.22 92.14
 90.00 20 6 57 3967.61 -7.39 158.95 224.20 62.59 21 13 5 3367.6 -11.01 152.13
 100.00 2 25 2 2733.47 -29.56 76.07 230.87 85.37 3 10 35 2133.5 -29.89 68.18
 100.00 21 8 28 3769.02 -5.65 143.41 223.25 60.60 22 11 17 3169.0 -9.53 136.76
 110.00 4 12 26 2397.47 -34.18 51.67 231.08 90.15 4 52 23 1797.5 -33.78 42.45
 110.00 21 37 34 3677.79 -1.72 134.06 220.82 55.85 22 38 52 3077.8 -6.19 127.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6309 TRA -1.586 TC3-5.3843 BAU 1.3076 SGT 5091.3 SGR 408.1 SG3 115.9 ST 2198.2 SR 382.8 SS 484.8
 RDE .2839 RRA -.0647 RC3 .1274 FAU .02378 RRT .1737 RRF .1639 RTF .8423 CRT .9966 CRS -.9362 CST -.9514
 FDE .4991 FRA .4386 FC3-1.1338 BSP 16322 SGB 5107.6 R23 .0170 R13 .8424 LSA 2278.4 MSA 147.5 SSA 27.5
 BDE 1.6554 BRA .1713 BC3 5.3858 FSP -375 SGI 5091.8 SG2 401.9 TMA .80 EL1 2231.0 EL2 31.3 ALF 9.85

LAUNCH DATE JAN 7 1966

FLIGHT TIME 170.00

ARRIVAL DATE JUN 26 1966

HELIOCENTRIC CONIC

DISTANCE 509.005

RL 147.10 LAL -0.00 LOL 106.24 VL 26.305 GAL .04 AZL 86.78 MCA 260.58 SMA 119.30 ECC .23305 INC 3.2247 V1 30.287
 RP 108.62 LAP -3.18 LOP 6.81 VP 36.486 GAP 12.48 AZP 90.53 TAL 179.87 TAP 80.45 RCA 91.50 APO 147.10 V2 34.889
 RC 191.216 GL 20.19 GP -7.48 ZAL 90.21 ZAP 170.96 ETS 305.90 ZAE 132.20 ETE 187.21 ZAC 107.73 ETC 168.88 CLP-174.91

PLANETOCENTRIC CONIC

C3 18.376 VHL 4.287 DLA 24.82 RAL 6.35 RAD 6567.7 VEL 11.822 PTM 2.09 VMP 8.180 CPA -4.92 RAP 15.24 ECC 1.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 46 29 3108.63 -27.16 104.27 235.02 81.66 1 38 18 2508.6 -28.03 95.71
 90.00 20 36 13 3924.19 -8.75 156.47 228.88 62.96 21 41 37 3324.2 -12.30 149.60
 100.00 2 30 1 2774.83 -29.30 80.02 235.33 83.78 3 16 16 2174.8 -29.85 71.26
 100.00 21 35 22 3733.21 -6.84 141.42 227.86 60.83 22 37 35 3133.2 -10.68 134.73
 110.00 4 20 43 2428.46 -34.16 54.09 235.71 88.72 5 1 12 1828.5 -33.96 44.85
 110.00 22 1 9 3652.35 -2.69 132.73 225.29 55.91 23 2 1 3052.4 -7.15 126.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7091 TRA .0951 TC3-5.3497 BAU 1.3146 SGT 5125.9 SGR 415.9 SG3 114.6 ST 2288.9 SR 393.7 SS 493.9
 RDE .2937 RRA -.0644 RC3 .1158 FAU .02232 RRT .2008 RRF .1889 RTF .8460 CRT .9936 CRS -.9267 CST -.9576
 FDE .4975 FRA .4826 FC3-1.0514 BSP 16274 SGB 5142.7 R23 .0182 R13 .8461 LSA 2369.9 MSA 144.7 SSA 27.4
 BDE 1.7342 BRA .1148 BC3 5.3510 FSP -362 SGI 5126.6 SG2 407.4 TMA .94 EL1 2322.1 EL2 43.8 ALF 9.70

LAUNCH DATE JAN 7 1966

FLIGHT TIME 172.00

ARRIVAL DATE JUN 28 1966

HELIOCENTRIC CONIC

DISTANCE 514.490

RL 147.10 LAL -0.00 LOL 106.24 VL 26.247 GAL .65 AZL 86.87 MCA 263.76 SMA 118.97 ECC .23669 INC 3.1290 V1 30.287
 RP 108.58 LAP -3.11 LOP 9.99 VP 36.455 GAP 12.76 AZP 90.34 TAL 177.91 TAP 81.67 RCA 90.81 APO 147.13 V2 34.900
 RC 193.113 GL 19.31 GP -7.26 ZAL 86.52 ZAP 171.50 ETS 303.15 ZAE 132.40 ETE 187.07 ZAC 110.12 ETC 169.08 CLP-175.57

PLANETOCENTRIC CONIC

C3 18.772 VHL 4.333 DLA 25.55 RAL 10.45 RAD 6567.8 VEL 11.839 PTM 2.10 VMP 8.346 CPA -3.69 RAP 17.43 ECC 1.3089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 49 13 3160.28 -26.60 107.94 239.60 79.90 1 41 53 2560.3 -27.72 99.46
 90.00 21 6 12 3882.53 -10.03 154.08 233.83 63.38 22 10 54 3282.5 -13.52 147.15
 100.00 2 35 33 2817.49 -28.94 83.14 240.02 82.18 3 22 30 2217.5 -29.72 74.42
 100.00 22 2 33 3700.56 -7.92 139.59 232.71 61.08 23 4 14 3100.6 -11.72 132.86
 110.00 4 29 47 2460.07 -34.09 56.55 240.58 87.26 5 10 47 1860.1 -34.09 47.31
 110.00 22 24 48 3630.74 -3.52 131.60 230.00 55.98 23 25 19 3030.7 -7.96 125.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7615 TRA .3447 TC3-5.2784 BAU 1.3249 SGT 5157.7 SGR 421.6 SG3 112.6 ST 2338.4 SR 402.7 SS 489.5
 RDE .3038 RRA -.0630 RC3 .1021 FAU .02110 RRT .2228 RRF .2035 RTF .8525 CRT .9889 CRS -.9154 CST -.9614
 FDE .4831 FRA .5190 FC3 -.9731 BSP 16461 SGB 5174.9 R23 .0127 R13 .8525 LSA 2418.3 MSA 143.6 SSA 27.0
 BDE 1.7875 BRA .3504 BC3 5.2794 FSP -360 SGI 5158.6 SG2 411.0 TMA 1.05 EL1 2372.0 EL2 58.9 ALF 9.67

LAUNCH DATE JAN 7 1966

FLIGHT TIME 174.00

ARRIVAL DATE JUN 30 1966

HELIOCENTRIC CONIC

DISTANCE 519.945

RL 147.10 LAL -0.00 LOL 106.24 VL 26.190 GAL 1.28 AZL 86.97 MCA 266.94 SMA 118.65 ECC .24072 INC 3.0345 V1 30.287
 RP 108.55 LAP -3.03 LOP 13.18 VP 36.425 GAP 13.06 AZP 90.16 TAL 175.96 TAP 82.90 RCA 90.09 APO 147.22 V2 34.912
 RC 194.989 GL 18.36 GP -7.06 ZAL 82.81 ZAP 172.00 ETS 299.96 ZAE 132.59 ETE 186.96 ZAC 112.52 ETC 169.23 CLP-176.23

PLANETOCENTRIC CONIC

C3 19.364 VHL 4.400 DLA 26.20 RAL 14.62 RAD 6567.8 VEL 11.864 PTM 2.10 VMP 8.524 CPA -2.48 RAP 19.63 ECC 1.3187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 52 13 3213.78 -25.90 111.71 244.34 78.14 1 45 46 2613.8 -27.28 103.31
 90.00 21 36 28 3843.68 -11.20 151.83 239.01 63.82 22 40 32 3243.7 -14.63 144.83
 100.00 2 41 49 2860.42 -28.50 86.26 244.89 80.59 3 29 29 2260.4 -29.51 77.60
 100.00 22 29 33 3672.27 -8.85 138.01 237.77 61.33 23 30 45 3072.3 -12.61 131.24
 110.00 4 39 42 2491.60 -33.96 59.01 245.65 85.82 5 21 13 1891.6 -34.16 49.77
 110.00 22 48 9 3613.86 -4.16 130.71 234.90 56.04 23 48 23 3013.9 -8.59 124.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8151 TRA .6103 TC3-5.1514 BAU 1.3338 SGT 5188.9 SGR 426.8 SG3 110.7 ST 2382.2 SR 411.5 SS 486.6
 RDE .3154 RRA -.0598 RC3 .0877 FAU .01988 RRT .2455 RRF .2222 RTF .8591 CRT .9827 CRS -.9041 CST -.9651
 FDE .4716 FRA .5573 FC3 -.8887 BSP 16618 SGB 5206.4 R23 .0103 R13 .8591 LSA 2461.5 MSA 145.5 SSA 26.1
 BDE 1.8423 BRA .6132 BC3 5.1521 FSP -357 SGI 5189.9 SG2 413.7 TMA 1.16 EL1 2416.3 EL2 75.1 ALF 9.64

LAUNCH DATE JAN 7 1966 FLIGHT TIME 176.00 ARRIVAL DATE JUL 2 1966

DISTANCE 525.366

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 106.24 VL 26.134 GAL 1.94 AZL 87.06 MCA 270.12 SMA 118.34 ECC .24519 INC 2.9405 V1 30.287
 RP 108.51 LAP -2.94 LOP 16.37 VP 36.396 GAP 13.38 AZP 89.99 TAL 174.01 TAP 84.13 RCA 89.33 APO 147.36 V2 34.924
 RC 196.842 GL 17.36 GP -6.88 ZAL 79.09 ZAP 172.46 ETS 296.28 ZAE 132.77 ETE 186.86 ZAC 114.92 ETC 169.35 CLP-176.89

PLANETOCENTRIC CONIC
 C3 20.174 VML 4.492 OLA 26.75 RAL 18.82 RAD 6567.8 VEL 11.898 PTH 2.11 VHP 8.716 DPA -1.30 RAP 21.85 ECC 1.3320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 55 40 3268.12 -25.09 115.48 249.20 76.42 1 50 8 2668.1 -26.71 107.19
 90.00 22 6 33 3808.81 -12.24 149.80 244.37 64.27 23 10 2 3208.8 -15.61 142.74
 100.00 2 49 4 2902.55 -28.00 89.29 249.91 79.08 3 37 27 2302.5 -29.22 80.69
 100.00 22 55 50 3649.62 -9.59 136.73 242.99 61.55 23 56 40 3049.6 -13.32 129.92
 110.00 4 50 33 2522.42 -33.78 61.40 250.89 84.41 5 32 36 1922.4 -34.18 52.18
 110.00 23 10 51 3602.51 -4.59 130.12 239.95 56.09 24 10 53 3002.5 -9.01 123.82

DIFFERENTIAL CORRECTIONS
 TOE 1.8608 TRA 1.8892 TC3-4.9723 BAU 1.3412 SGT 5215.3 SGR 430.9 SG3 108.8 ST 2407.9 SR 419.2 SS 480.9
 ROE .3281 RRA -.0549 RC3 .0731 FAU .01869 RRT .2673 RRF .2407 RTF .8658 CRT .9751 CRS -.8917 CST -.9680
 FOE .4584 FRA .5963 FC3 -.8019 BSP 16767 SGB 5233.1 R23 .0081 R13 .8658 LSA 2486.3 MSA 149.9 SSA 24.8
 BOE 1.8895 BRA .8909 BC3 4.9728 FSP -353 SG1 5216.6 SG2 415.1 TMA 1.27 EL1 2442.4 EL2 91.6 ALF 9.65

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 7 1966 FLIGHT TIME 178.00 ARRIVAL DATE JUL 4 1966

DISTANCE 530.747

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 106.24 VL 26.079 GAL 2.63 AZL 87.15 MCA 273.31 SMA 118.04 ECC .25014 INC 2.8464 V1 30.287
 RP 108.47 LAP -2.84 LOP 19.56 VP 36.369 GAP 13.73 AZP 89.84 TAL 172.07 TAP 85.38 RCA 88.52 APO 147.57 V2 34.936
 RC 198.673 GL 16.31 GP -6.71 ZAL 75.41 ZAP 172.86 ETS 292.07 ZAE 132.95 ETE 186.76 ZAC 117.34 ETC 169.43 CLP-177.55

PLANETOCENTRIC CONIC
 C3 21.229 VML 4.608 OLA 27.19 RAL 23.03 RAD 6567.9 VEL 11.942 PTH 2.13 VHP 8.925 DPA -1.14 RAP 24.08 ECC 1.3494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 59 57 3321.79 -24.18 119.15 254.17 74.79 1 55 19 2721.8 -26.03 110.97
 90.00 22 35 48 3779.55 -13.10 148.08 249.86 64.67 23 38 47 3179.6 -16.41 140.96
 100.00 2 57 35 2942.58 -27.45 92.13 255.06 77.67 3 46 38 2342.6 -28.67 83.62
 100.00 23 20 51 3634.00 -10.09 135.84 248.31 61.71 24 21 25 3034.0 -13.80 129.01
 110.00 5 2 25 2551.96 -33.56 63.67 256.26 83.08 5 44 57 1952.0 -34.15 54.48
 110.00 23 32 31 3597.38 -4.79 129.85 245.09 56.11 24 32 28 2997.4 -9.20 123.54

DIFFERENTIAL CORRECTIONS
 TOE 1.8988 TRA 1.1832 TC3-4.7452 BAU 1.3469 SGT 5237.6 SGR 434.0 SG3 107.0 ST 2416.4 SR 425.8 SS 473.9
 ROE .3420 RRA -.0482 RC3 .0587 FAU .01754 RRT .2887 RRF .2599 RTF .8729 CRT .9661 CRS -.8783 CST -.9705
 FOE .4448 FRA .6369 FC3 -.7152 BSP 16891 SGB 5255.6 R23 .0066 R13 .8729 LSA 2493.9 MSA 156.6 SSA 23.4
 BOE 1.9294 BRA 1.1842 BC3 4.7456 FSP -350 SG1 5239.1 SG2 415.4 TMA 1.38 EL1 2451.2 EL2 108.3 ALF 9.68

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 7 1966 FLIGHT TIME 180.00 ARRIVAL DATE JUL 6 1966

DISTANCE 536.082

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 106.24 VL 26.025 GAL 3.35 AZL 87.25 MCA 276.50 SMA 117.75 ECC .25560 INC 2.7516 V1 30.287
 RP 108.43 LAP -2.73 LOP 22.75 VP 36.342 GAP 14.11 AZP 89.69 TAL 170.15 TAP 86.64 RCA 87.65 APO 147.85 V2 34.948
 RC 200.481 GL 15.22 GP -6.56 ZAL 71.78 ZAP 173.20 ETS 287.32 ZAE 133.13 ETE 186.68 ZAC 119.75 ETC 169.46 CLP-178.22

PLANETOCENTRIC CONIC
 C3 22.560 VML 4.750 OLA 27.51 RAL 27.19 RAD 6567.9 VEL 11.997 PTH 2.14 VHP 9.151 DPA 1.00 RAP 26.32 ECC 1.3713
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 39 3372.51 -23.23 122.56 259.22 73.34 2 1 51 2772.5 -25.29 114.50
 90.00 23 3 19 3758.22 -13.72 146.82 255.41 64.98 24 5 57 3158.2 -16.98 139.66
 100.00 3 7 39 2979.22 -26.89 94.71 260.31 76.43 3 57 18 2379.2 -28.49 86.28
 100.00 23 44 0 3626.74 -10.33 135.43 253.67 61.79 24 44 27 3026.7 -14.02 128.59
 110.00 5 15 18 2579.75 -33.51 65.81 261.74 81.84 5 58 17 1979.8 -34.08 56.65
 110.00 23 52 51 3598.98 -4.72 129.93 250.27 56.11 24 52 50 2999.0 -9.14 123.63

DIFFERENTIAL CORRECTIONS
 TOE 1.9313 TRA 1.4960 TC3-4.4709 BAU 1.3485 SGT 5254.0 SGR 436.2 SG3 105.2 ST 2411.7 SR 431.0 SS 466.9
 ROE .3571 RRA -.0395 RC3 .0455 FAU .01633 RRT .3101 RRF .2807 RTF .8795 CRT .9557 CRS -.8639 CST -.9727
 FOE .4318 FRA .6801 FC3 -.6268 BSP 16910 SGB 5272.1 R23 .0065 R13 .8795 LSA 2488.4 MSA 165.3 SSA 21.8
 BOE 1.9640 BRA 1.4965 BC3 4.4711 FSP -343 SG1 5255.8 SG2 414.6 TMA 1.48 EL1 2446.7 EL2 125.0 ALF 9.72

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 7 1966 FLIGHT TIME 182.00 ARRIVAL DATE JUL 8 1966

DISTANCE 541.363

HELIOCENTRIC CONIC
 RL 147.10 LAL -0.00 LOL 106.24 VL 25.972 GAL 4.10 AZL 87.34 MCA 279.69 SMA 117.46 ECC .26164 INC 2.6555 V1 30.287
 RP 108.39 LAP -2.62 LOP 25.94 VP 36.317 GAP 14.52 AZP 89.55 TAL 168.23 TAP 87.92 RCA 86.73 APO 148.20 V2 34.961
 RC 202.264 GL 14.12 GP -6.42 ZAL 68.24 ZAP 173.48 ETS 282.03 ZAE 133.29 ETE 186.61 ZAC 122.16 ETC 169.45 CLP-178.89

PLANETOCENTRIC CONIC
 C3 24.203 VML 4.920 OLA 27.72 RAL 31.27 RAD 6568.0 VEL 12.066 PTH 2.16 VHP 9.396 DPA 2.11 RAP 28.57 ECC 1.3983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 13 40 3416.84 -22.33 125.50 264.36 72.12 2 10 36 2816.8 -24.57 117.55
 90.00 23 27 53 3748.82 -14.00 146.22 260.93 65.14 24 30 21 3148.2 -17.24 139.04
 100.00 3 19 28 3011.28 -26.36 96.95 265.65 75.36 4 9 39 2411.3 -28.11 88.58
 100.00 0 8 41 3629.01 -10.25 135.56 259.02 61.77 1 9 11 3029.0 -13.95 128.72
 110.00 5 29 8 2605.50 -33.05 67.77 267.28 80.71 6 12 33 2005.5 -33.97 58.65
 110.00 0 15 31 3607.56 -4.40 130.38 255.46 56.07 1 15 39 3007.6 -8.82 124.09

DIFFERENTIAL CORRECTIONS
 TOE 1.9487 TRA 1.8202 TC3-4.1737 BAU 1.3505 SGT 5267.8 SGR 437.1 SG3 103.3 ST 2383.6 SR 434.3 SS 457.1
 ROE .3728 RRA -.0291 RC3 .0330 FAU .01525 RRT .3301 RRF .2999 RTF .8867 CRT .9437 CRS -.8477 CST -.9745
 FOE .4165 FRA .7233 FC3 -.5454 BSP 17024 SGB 5285.9 R23 .0057 R13 .8867 LSA 2459.3 MSA 175.2 SSA 20.4
 BOE 1.9840 BRA 1.8205 BC3 4.1738 FSP -340 SG1 5269.8 SG2 412.4 TMA 1.58 EL1 2418.7 EL2 141.6 ALF 9.79

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE JAN 7 1966

FLIGHT TIME 184.00

ARRIVAL DATE JUL 10 1966

HELIOCENTRIC CONIC

DISTANCE 546.580

RL 147.10 LAL -0.00 LOL 106.24 VL 25.921 GAL 4.90 AZL 87.44 HCA 282.88 SMA 117.18 ECC .26831 INC 2.5576 V1 30.287
 RP 108.35 LAP -2.49 LOP 29.14 VP 36.292 GAP 14.97 AZP 89.43 TAL 166.34 TAP 89.22 RCA 85.74 APO 148.63 V2 34.974
 RC 204.023 GL 13.01 GP -6.30 ZAL 64.80 ZAP 173.69 ETS 276.23 ZAE 133.44 ETE 186.54 ZAC 124.57 ETC 169.39 CLP -179.57

PLANETOCENTRIC CONIC

C3 26.205 VHL 5.119 CLA 27.82 RAL 35.24 RAD 6568.1 VEL 12.148 PTH 2.18 VMP 9.663 DPA 3.19 RAP 30.82 ECC 1.4313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 25 9 3450.71 -21.61 127.72 269.60 71.24 2 22 39 2850.7 -23.97 119.85
 90.00 23 48 5 3753.52 -13.85 146.54 266.34 65.05 24 50 39 3153.5 -17.10 139.37
 100.00 3 33 9 3038.04 -25.88 98.79 271.04 74.50 4 23 47 2438.0 -27.76 90.50
 100.00 0 26 42 3641.43 -9.85 136.26 264.28 61.64 1 27 23 3041.4 -13.57 129.45
 110.00 5 43 49 2629.13 -32.77 69.56 272.85 79.68 6 27 38 2029.1 -33.85 60.49
 110.00 0 32 32 3623.11 -3.81 131.20 260.60 56.00 1 32 55 3023.1 -8.24 124.92

DIFFERENTIAL CORRECTIONS

TOE 1.9567 TRA 2.1628 TC3-3.8534 BAU 1.3500
 RDE .3893 RRA -.0169 RC3 .0221 FAU .01418
 FDE .4010 FRA .7689 FC3 -.4684 BSP 17121
 BOE 1.9950 BRA 2.1629 BC3 3.8535 FSP -335

MID-COURSE EXECUTION ACCURACY

SGT 5277.6 SGR 436.8 SG3 101.4
 RRT .3497 RRF .3194 RTF .8939
 SGB 5295.6 R23 .0053 R13 .8939
 SGI 5279.8 SG2 409.0 TMA 1.67

ORBIT DETERMINATION ACCURACY

ST 2341.9 SR 435.7 SS 447.2
 CRT .9298 CRS -.8298 CST -.9761
 LSA 2416.5 MSA 186.3 SSA 19.0
 EL1 2376.9 EL2 158.0 ALF 9.86

LAUNCH DATE JAN 7 1966

FLIGHT TIME 186.00

ARRIVAL DATE JUL 12 1966

HELIOCENTRIC CONIC

DISTANCE 551.723

RL 147.10 LAL -0.00 LOL 106.24 VL 25.870 GAL 5.74 AZL 87.54 HCA 286.08 SMA 116.91 ECC .27569 INC 2.4570 V1 30.287
 RP 108.31 LAP -2.36 LOP 32.34 VP 36.268 GAP 15.45 AZP 89.32 TAL 164.47 TAP 90.55 RCA 84.68 APO 149.14 V2 34.987
 RC 205.757 GL 11.90 GP -6.18 ZAL 61.50 ZAP 173.81 ETS 270.00 ZAE 133.58 ETE 186.48 ZAC 126.97 ETC 169.28 CLP 179.74

PLANETOCENTRIC CONIC

C3 28.620 VHL 5.350 CLA 27.81 RAL 39.07 RAD 6568.1 VEL 12.247 PTH 2.20 VMP 9.955 DPA 4.25 RAP 33.09 ECC 1.4710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 46 3471.53 -21.15 129.07 274.95 70.72 2 38 37 2871.5 -23.99 121.25
 90.00 0 6 57 3776.56 -13.19 147.90 271.54 64.71 1 9 54 3176.6 -16.49 140.78
 100.00 3 48 36 3059.43 -25.49 100.26 276.46 73.83 4 39 35 2459.4 -27.46 92.01
 100.00 0 41 48 3663.90 -9.12 137.53 269.44 61.41 1 42 52 3063.9 -12.87 130.75
 110.00 5 59 11 2650.75 -32.50 71.19 278.42 78.76 6 43 21 2050.8 -33.70 62.16
 110.00 0 47 43 3645.34 -2.96 132.36 265.67 55.93 1 48 28 3045.3 -7.41 126.10

DIFFERENTIAL CORRECTIONS

TOE 1.9555 TRA 2.5203 TC3-3.5192 BAU 1.3465
 RDE .4063 RRA -.0030 RC3 .0129 FAU .01314
 FDE .3851 FRA .8168 FC3 -.3976 BSP 17201
 BOE 1.9973 BRA 2.5203 BC3 3.5192 FSP -331

MID-COURSE EXECUTION ACCURACY

SGT 5280.0 SGR 435.3 SG3 99.6
 RRT .3690 RRF .3386 RTF .9009
 SGB 5297.9 R23 .0045 R13 .9009
 SGI 5282.4 SG2 404.4 TMA 1.75

ORBIT DETERMINATION ACCURACY

ST 2288.5 SR 435.1 SS 437.2
 CRT .9141 CRS -.8100 CST -.9775
 LSA 2361.9 MSA 197.8 SSA 17.7
 EL1 2323.0 EL2 173.8 ALF 9.92

LAUNCH DATE JAN 7 1966

FLIGHT TIME 188.00

ARRIVAL DATE JUL 14 1966

HELIOCENTRIC CONIC

DISTANCE 556.780

RL 147.10 LAL -0.00 LOL 106.24 VL 25.820 GAL 6.63 AZL 87.65 HCA 289.28 SMA 116.65 ECC .28384 INC 2.3530 V1 30.287
 RP 108.27 LAP -2.22 LOP 35.53 VP 36.246 GAP 15.98 AZP 89.22 TAL 162.63 TAP 91.91 RCA 85.54 APO 149.76 V2 35.000
 RC 207.485 GL 10.81 GP -6.08 ZAL 58.34 ZAP 173.84 ETS 263.54 ZAE 133.71 ETE 186.42 ZAC 129.37 ETC 169.12 CLP 179.04

PLANETOCENTRIC CONIC

C3 31.514 VHL 5.614 CLA 27.71 RAL 42.74 RAD 6568.3 VEL 12.365 PTH 2.23 VMP 10.275 DPA 5.27 RAP 35.36 ECC 1.5186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 56 3480.77 -20.94 129.67 280.39 70.49 2 57 57 2880.8 -23.41 121.87
 90.00 0 17 2 3815.62 -12.04 150.20 276.52 64.18 1 20 37 3215.6 -15.42 143.15
 100.00 4 5 29 3076.04 -25.17 101.39 281.90 73.31 4 56 45 2476.0 -27.21 93.19
 100.00 0 54 10 3695.59 -8.09 139.31 274.45 61.12 1 55 45 3095.6 -11.88 132.58
 110.00 6 15 1 2670.65 -32.22 72.67 283.96 77.92 6 59 32 2070.7 -33.55 63.69
 110.00 1 1 7 3673.74 -1.88 133.84 270.63 55.86 2 2 21 3073.7 -6.34 127.61

DIFFERENTIAL CORRECTIONS

TOE 1.9480 TRA 2.9096 TC3-3.1751 BAU 1.3377
 RDE .4238 RRA .0129 RC3 .0055 FAU .01208
 FDE .3706 FRA .8688 FC3 -.3319 BSP 17177
 BOE 1.9935 BRA 2.9097 BC3 3.1751 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 5283.3 SGR 432.8 SG3 97.9
 RRT .3881 RRF .3590 RTF .9083
 SGB 5301.0 R23 .0048 R13 .9083
 SGI 5285.9 SG2 398.7 TMA 1.83

ORBIT DETERMINATION ACCURACY

ST 2230.9 SR 432.6 SS 428.9
 CRT .8958 CRS -.7891 CST -.9792
 LSA 2303.0 MSA 209.7 SSA 16.5
 EL1 2264.6 EL2 189.4 ALF 9.92

LAUNCH DATE JAN 7 1966

FLIGHT TIME 190.00

ARRIVAL DATE JUL 16 1966

HELIOCENTRIC CONIC

DISTANCE 561.732

RL 147.10 LAL -0.00 LOL 106.24 VL 25.772 GAL 7.58 AZL 87.76 HCA 292.48 SMA 116.39 ECC .29288 INC 2.2448 V1 30.287
 RP 108.23 LAP -2.07 LOP 38.74 VP 36.224 GAP 16.56 AZP 89.14 TAL 160.82 TAP 93.30 RCA 82.30 APO 150.48 V2 35.014
 RC 209.146 GL 9.74 GP -5.98 ZAL 55.33 ZAP 173.79 ETS 256.95 ZAE 133.82 ETE 186.36 ZAC 131.75 ETC 168.90 CLP 178.32

PLANETOCENTRIC CONIC

C3 34.970 VHL 5.914 CLA 27.52 RAL 46.22 RAD 6568.4 VEL 12.504 PTH 2.26 VMP 10.626 DPA 6.26 RAP 37.64 ECC 1.5755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 13 3482.70 -20.89 129.80 285.86 70.44 3 19 16 2882.7 -23.37 122.00
 90.00 0 23 31 3866.15 -10.52 153.14 281.30 63.56 1 27 57 3266.1 -13.99 146.18
 100.00 4 23 22 3088.93 -24.91 102.26 287.31 72.92 5 14 51 2488.9 -27.01 94.09
 100.00 1 4 3 3735.15 -6.78 141.52 279.30 60.82 2 6 18 3135.2 -10.62 134.84
 110.00 6 31 6 2689.19 -31.95 74.05 289.44 77.15 7 15 55 2089.2 -33.39 65.12
 110.00 1 12 48 3707.66 -5.58 135.61 275.47 55.82 2 14 36 3107.7 -5.06 129.39

DIFFERENTIAL CORRECTIONS

TOE 1.9285 TRA 3.3133 TC3-2.8397 BAU 1.3276
 RDE .4414 RRA .0303 RC3 -.0003 FAU .01110
 FDE .3550 FRA .9226 FC3 -.2749 BSP 17238
 BOE 1.9784 BRA 3.3134 BC3 2.8397 FSP -321

MID-COURSE EXECUTION ACCURACY

SGT 5279.6 SGR 428.9 SG3 96.2
 RRT .4063 RRF .3780 RTF .9157
 SGB 5297.0 R23 .0044 R13 .9157
 SGI 5282.5 SG2 391.7 TMA 1.90

ORBIT DETERMINATION ACCURACY

ST 2163.5 SR 427.8 SS 420.6
 CRT .8751 CRS -.7660 CST -.9808
 LSA 2234.2 MSA 221.2 SSA 15.5
 EL1 2195.9 EL2 204.0 ALF 9.90

LAUNCH DATE JAN 7 1966

FLIGHT TIME 192.00

ARRIVAL DATE JUL 18 1966

HELIOCENTRIC CONIC

DISTANCE 566.559

RL 147.10 LAL -1.00 LOL 106.24 VL 25.724 GAL 8.59 AZL 87.87 MCA 295.68 SMA 116.14 ECC .30291 INC 2.1314 V1 30.287
 RP 108.19 LAP -1.92 LOP 41.94 VP 36.203 GAP 17.20 AZP 89.08 TAL 159.06 TAP 94.73 RCA 80.96 APO 151.32 V2 35.027
 RC 210.800 GL 8.70 GP -5.90 ZAL 52.49 ZAP 173.63 ETS 250.44 ZAE 133.90 ETE 186.31 ZAC 134.11 ETC 168.62 CLP 177.59

PLANETOCENTRIC CONIC

C3 39.087 VHL 6.252 DLA 27.26 RAL 49.50 RAD 6568.5 VEL 12.667 PTH 2.30 VHP 11.013 DPA 7.22 RAP 39.92 ECC 1.6433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 16 3481.32 -20.93 129.71 291.29 70.48 3 41 17 2881.3 -23.40 121.91
 90.00 0 27 39 3923.78 -8.76 156.45 285.89 62.96 1 33 3 3323.8 -12.32 149.58
 100.00 4 41 46 3099.31 -24.70 102.96 292.66 72.61 5 33 25 2499.3 -26.85 94.82
 100.00 1 11 50 3781.03 -5.25 144.07 283.99 60.53 2 14 51 3181.0 -9.14 137.44
 110.00 6 47 12 2706.78 -31.68 75.35 294.85 76.42 7 32 19 2106.8 -33.22 66.46
 110.00 1 22 54 3746.32 .90 137.63 280.18 55.83 2 25 20 3146.3 -3.39 131.42

DIFFERENTIAL CORRECTIONS

TDE 1.9022 TRA 3.7420 TC3-2.5127 BAU 1.3131
 RDE .4591 RRA .0494 RC3 -.0045 FAU .01014
 FDE .3399 FRA .9803 FC3 -.2246 BSP 17289
 BDE 1.9569 BRA 3.7423 BC3 2.5127 FSP -317

MID-COURSE EXECUTION ACCURACY

SGT 5272.0 SGR 423.8 SG3 94.5
 RRT .4240 RRF .3969 RTF .9230
 SGB 5289.0 R23 .0038 R13 .9230
 SG1 5275.0 SG2 383.6 TMA 1.96

ORBIT DETERMINATION ACCURACY

ST 2094.6 SR 421.0 SS 413.7
 CRT .8518 CRS -.7413 CST -.9825
 LSA 2163.7 MSA 232.1 SSA 14.5
 EL1 2125.4 EL2 217.4 ALF 9.82

LAUNCH DATE JAN 7 1966

FLIGHT TIME 194.00

ARRIVAL DATE JUL 20 1966

HELIOCENTRIC CONIC

DISTANCE 571.238

RL 147.10 LAL -1.00 LOL 106.24 VL 25.678 GAL 9.67 AZL 87.99 MCA 298.88 SMA 115.90 ECC .31405 INC 2.0116 V1 30.287
 RP 108.15 LAP -1.76 LOP 45.14 VP 36.183 GAP 17.91 AZP 89.03 TAL 157.34 TAP 96.22 RCA 79.50 APO 152.30 V2 35.040
 RC 212.427 GL 7.70 GP -5.82 ZAL 49.82 ZAP 173.38 ETS 244.16 ZAE 133.97 ETE 186.26 ZAC 136.45 ETC 168.27 CLP 176.83

PLANETOCENTRIC CONIC

C3 43.992 VHL 6.633 DLA 26.94 RAL 52.58 RAD 6568.7 VEL 12.859 PTH 2.34 VHP 11.441 DPA 8.15 RAP 42.19 ECC 1.7240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 11 3479.19 -20.97 129.57 296.64 70.53 4 3 10 2879.2 -23.44 121.76
 90.00 0 30 18 3985.56 -6.83 159.96 290.32 62.45 1 36 43 3385.6 -10.47 153.17
 100.00 5 0 14 3108.26 -24.52 103.57 297.93 72.34 5 52 2 2508.3 -26.70 95.45
 100.00 1 17 55 3831.72 -3.55 146.87 288.52 60.30 2 21 47 3231.7 -7.47 140.28
 110.00 7 3 7 2723.78 -31.40 76.60 300.16 75.73 7 48 30 2123.8 -33.04 67.75
 110.00 1 31 32 3788.97 2.53 139.86 284.75 55.90 2 34 41 3189.0 -1.96 133.65

DIFFERENTIAL CORRECTIONS

TDE 1.8709 TRA 4.1987 TC3-2.1984 BAU 1.2930
 RDE .4767 RRA .0700 RC3 -.0072 FAU .00919
 FDE .3257 FRA 1.0425 FC3 -.1808 BSP 17318
 BDE 1.9307 BRA 4.1993 BC3 2.1984 FSP -312

MID-COURSE EXECUTION ACCURACY

SGT 5260.2 SGR 417.5 SG3 92.9
 RRT .4415 RRF .4157 RTF .9303
 SGB 5276.7 R23 .0033 R13 .9303
 SG1 5263.4 SG2 374.4 TMA 2.02

ORBIT DETERMINATION ACCURACY

ST 2027.2 SR 412.3 SS 408.8
 CRT .8260 CRS -.7157 CST -.9843
 LSA 2094.7 MSA 241.7 SSA 13.7
 EL1 2055.9 EL2 229.1 ALF 9.66

LAUNCH DATE JAN 7 1966

FLIGHT TIME 196.00

ARRIVAL DATE JUL 22 1966

HELIOCENTRIC CONIC

DISTANCE 575.737

RL 147.10 LAL -1.00 LOL 106.24 VL 25.632 GAL 10.84 AZL 88.12 MCA 302.09 SMA 115.67 ECC .32647 INC 1.8842 V1 30.287
 RP 108.11 LAP -1.60 LOP 48.35 VP 36.164 GAP 18.70 AZP 89.00 TAL 155.68 TAP 97.77 RCA 77.91 APO 153.43 V2 35.053
 RC 214.027 GL 6.73 GP -5.74 ZAL 47.33 ZAP 173.03 ETS 238.25 ZAE 134.00 ETE 186.20 ZAC 138.76 ETC 167.83 CLP 176.04

PLANETOCENTRIC CONIC

C3 49.842 VHL 7.060 DLA 26.57 RAL 55.44 RAD 6568.8 VEL 13.084 PTH 2.39 VHP 11.916 DPA 9.04 RAP 44.46 ECC 1.8203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 26 3477.69 -21.01 129.47 301.87 70.56 4 24 24 2877.7 -23.47 121.66
 90.00 0 31 54 4049.63 -4.80 163.58 294.61 62.06 1 39 23 3449.6 -8.50 156.85
 100.00 5 18 26 3116.65 -24.35 104.13 303.09 72.10 6 10 22 2516.7 -26.56 96.03
 100.00 1 22 35 3885.90 -1.71 149.85 292.90 60.15 2 27 21 3285.9 -5.67 143.30
 110.00 7 18 39 2740.50 -31.11 77.81 305.34 75.06 8 4 19 2140.5 -32.85 69.02
 110.00 1 38 52 3834.82 4.28 142.26 289.18 56.05 2 42 46 3234.8 -1.21 136.04

DIFFERENTIAL CORRECTIONS

TDE 1.8385 TRA 4.6896 TC3-1.8979 BAU 1.2647
 RDE .4944 RRA .0923 RC3 -.0085 FAU .00819
 FDE .3133 FRA 1.1107 FC3 -.1422 BSP 17241
 BDE 1.9038 BRA 4.6905 BC3 1.8979 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 5245.4 SGR 410.1 SG3 91.5
 RRT .4589 RRF .4351 RTF .9375
 SGB 5261.4 R23 .0031 R13 .9375
 SG1 5248.8 SG2 364.1 TMA 2.06

ORBIT DETERMINATION ACCURACY

ST 1955.3 SR 402.0 SS 406.8
 CRT .7984 CRS -.6902 CST -.9863
 LSA 2031.5 MSA 249.6 SSA 12.9
 EL1 1991.7 EL2 238.9 ALF 9.41

LAUNCH DATE JAN 7 1966

FLIGHT TIME 198.00

ARRIVAL DATE JUL 24 1966

HELIOCENTRIC CONIC

DISTANCE 580.016

RL 147.10 LAL -1.00 LOL 106.24 VL 25.589 GAL 12.10 AZL 88.25 MCA 305.30 SMA 115.44 ECC .34034 INC 1.7473 V1 30.287
 RP 108.07 LAP -1.43 LOP 51.56 VP 36.145 GAP 19.57 AZP 88.99 TAL 154.09 TAP 99.39 RCA 76.15 APO 154.73 V2 35.067
 RC 215.599 GL 5.81 GP -5.67 ZAL 45.02 ZAP 172.59 ETS 232.78 ZAE 134.00 ETE 186.14 ZAC 141.04 ETC 167.32 CLP 175.23

PLANETOCENTRIC CONIC

C3 56.834 VHL 7.539 DLA 26.15 RAL 58.10 RAD 6569.0 VEL 13.349 PTH 2.44 VHP 12.446 DPA 9.89 RAP 46.72 ECC 1.9353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 46 45 3477.48 -21.01 129.46 306.95 70.57 4 44 43 2877.5 -23.47 121.65
 90.00 0 32 44 4114.84 -2.71 167.23 298.74 61.80 1 41 18 3514.8 -6.46 160.56
 100.00 5 36 4 3125.05 -24.17 104.69 308.11 71.85 6 28 9 2525.0 -26.42 96.61
 100.00 1 26 5 3942.50 .21 152.95 297.12 60.11 2 31 48 3342.5 -3.77 146.43
 110.00 7 33 39 2757.16 -30.81 79.02 310.38 74.41 8 19 36 2157.2 -32.64 70.28
 110.00 1 45 0 3883.16 6.11 144.80 293.46 56.30 2 49 43 3283.2 1.64 138.56

DIFFERENTIAL CORRECTIONS

TDE 1.7982 TRA 5.2109 TC3-1.6206 BAU 1.2314
 RDE .5116 RRA .1158 RC3 -.0088 FAU .00723
 FDE .3006 FRA 1.1836 FC3 -.1101 BSP 17267
 BDE 1.8696 BRA 5.2121 BC3 1.6207 FSP -302

MID-COURSE EXECUTION ACCURACY

SGT 5225.3 SGR 401.2 SG3 90.0
 RRT .4753 RRF .4531 RTF .9447
 SGB 5240.7 R23 .0024 R13 .9447
 SG1 5228.8 SG2 352.8 TMA 2.10

ORBIT DETERMINATION ACCURACY

ST 1903.9 SR 389.9 SS 406.1
 CRT .7682 CRS -.6633 CST -.9882
 LSA 1968.9 MSA 255.7 SSA 12.1
 EL1 1927.8 EL2 246.6 ALF 9.09

LAUNCH DATE JAN 7 1966

FLIGHT TIME 200.00

ARRIVAL DATE JUL 26 1966

HELIOCENTRIC CONIC

DISTANCE 584.024

RL 147.10 LAL -0.00 LOL 106.24 VL 25.546 GAL 13.47 AZL 88.40 MCA 308.51 SMA 115.22 ECC .35588 INC 1.5989 V1 30.287
 RP 108.03 LAP -1.25 LOP 54.77 VP 36.128 GAP 20.55 AZP 89.00 TAL 152.59 TAP 101.10 RCA 74.22 APO 156.23 V2 35.080
 RC 217.144 GL 4.92 GP -5.61 ZAL 42.89 ZAP 172.05 ETS 227.78 ZAE 133.96 ETE 186.08 ZAC 143.27 ETC 166.70 CLP 174.37

PLANETOCENTRIC CONIC

C3 65.223 VHL 8.076 DLA 25.70 RAL 60.53 RAD 6569.2 VEL 13.659 PTH 2.50 VHP 13.039 DPA 10.69 RAP 48.95 ECC 2.0734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 58 3478.77 -20.98 129.54 311.85 70.54 5 3 56 2878.8 -23.45 121.74
 90.00 0 32 56 4180.40 -5.59 170.89 302.73 61.69 1 42 37 3580.4 -4.37 164.25
 100.00 5 52 58 3133.78 -23.98 105.27 312.96 71.60 6 45 12 2533.8 -26.27 97.22
 100.00 1 28 37 4000.63 2.18 156.14 301.19 60.18 2 35 17 3400.6 -1.81 149.62
 110.00 7 48 1 2773.85 -30.50 80.22 315.25 73.76 8 34 14 2173.9 -32.42 71.53
 110.00 1 50 4 3933.32 7.99 147.46 297.60 56.65 2 55 37 3333.3 3.55 141.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7570 TRA 5.7716 TC3 -1.3634 BAU 1.1888 SGT 5201.4 SGR 391.2 SG3 88.5 ST 1848.5 SR 376.4 SS 408.0
 RDE .5285 RRA .1404 RC3 -.0083 FAU .00623 RRT .4912 RRF .4709 RTF .9516 CRT .7368 CRS -.6368 CST -.9901
 FDE .2891 FRA 1.2634 FC3 -.0827 BSP 17268 SGB 5216.1 R23 .0017 R13 .9516 LSA 1912.5 MSA 259.4 SSA 11.4
 BDE 1.8348 BRA 5.7733 BC3 1.3634 FSP -298 SGI 5205.0 SG2 340.5 THA 2.12 EL1 1869.5 EL2 251.7 ALF 8.69

LAUNCH DATE JAN 7 1966

FLIGHT TIME 202.00

ARRIVAL DATE JUL 28 1966

HELIOCENTRIC CONIC

DISTANCE 587.698

RL 147.10 LAL -0.00 LOL 106.24 VL 25.505 GAL 14.97 AZL 88.56 MCA 311.72 SMA 115.01 ECC .37334 INC 1.4366 V1 30.287
 RP 107.99 LAP -1.07 LOP 57.98 VP 36.111 GAP 21.65 AZP 89.04 TAL 151.18 TAP 102.91 RCA 72.07 APO 157.95 V2 35.092
 RC 218.662 GL 4.08 GP -5.55 ZAL 40.95 ZAP 171.43 ETS 223.24 ZAE 133.86 ETE 186.01 ZAC 145.45 ETC 165.99 CLP 173.46

PLANETOCENTRIC CONIC

C3 75.335 VHL 8.680 DLA 25.23 RAL 62.74 RAO 6569.5 VEL 14.024 PTH 2.56 VHP 13.706 DPA 11.46 RAP 51.16 ECC 2.2398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 59 3481.54 -20.92 129.72 316.56 70.47 5 22 0 2881.5 -23.39 121.92
 90.00 0 32 36 4245.75 1.52 174.53 306.56 61.72 1 43 22 3645.8 -2.28 167.90
 100.00 6 8 59 3142.98 -23.78 105.88 317.63 71.34 7 1 22 2543.0 -26.11 97.86
 100.00 1 30 16 4059.55 4.17 159.38 305.09 60.37 2 37 56 3459.5 .19 152.85
 110.00 8 1 37 2790.59 -30.18 81.42 319.93 73.12 8 48 8 2190.6 -32.19 72.78
 110.00 1 54 8 3984.70 9.91 150.21 301.58 57.12 3 0 32 3384.7 5.50 143.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7155 TRA 6.3770 TC3 -1.1271 BAU 1.1352 SGT 5173.7 SGR 379.8 SG3 87.1 ST 1798.6 SR 361.6 SS 412.7
 RDE .5451 RRA .1660 RC3 -.0071 FAU .00517 RRT .5065 RRF .4882 RTF .9582 CRT .7045 CRS -.6111 CST -.9920
 FDE .2790 FRA 1.3513 FC3 -.0594 BSP 17253 SGB 5187.6 R23 .0011 R13 .9582 LSA 1862.3 MSA 260.6 SSA 10.7
 BDE 1.8000 BRA 6.3791 BC3 1.1272 FSP -293 SGI 5177.2 SG2 327.3 THA 2.14 EL1 1816.9 EL2 254.1 ALF 8.22

LAUNCH DATE JAN 7 1966

FLIGHT TIME 204.00

ARRIVAL DATE JUL 30 1966

HELIOCENTRIC CONIC

DISTANCE 590.953

RL 147.10 LAL -0.00 LOL 106.24 VL 25.466 GAL 16.63 AZL 88.74 MCA 314.94 SMA 114.81 ECC .39303 INC 1.2570 V1 30.287
 RP 107.95 LAP -0.89 LOP 61.19 VP 36.096 GAP 22.90 AZP 89.11 TAL 149.91 TAP 104.85 RCA 69.69 APO 159.94 V2 35.105
 RC 220.152 GL 3.28 GP -5.50 ZAL 39.20 ZAP 170.70 ETS 219.14 ZAE 133.70 ETE 185.93 ZAC 147.57 ETC 165.16 CLP 172.48

PLANETOCENTRIC CONIC

C3 87.596 VHL 9.359 DLA 24.74 RAL 64.74 RAO 6569.7 VEL 14.455 PTH 2.63 VHP 14.460 DPA 12.18 RAP 53.33 ECC 2.4416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 46 3485.57 -20.83 129.98 321.04 70.37 5 38 51 2885.6 -23.32 122.19
 90.00 0 31 44 4310.45 3.60 178.15 310.22 61.89 1 43 34 3710.4 -1.19 171.51
 100.00 6 24 2 3152.60 -23.57 106.52 322.08 71.07 7 16 35 2552.6 -25.94 98.52
 100.00 1 31 8 4118.65 6.15 162.65 308.82 60.69 2 39 47 3518.7 2.19 156.10
 110.00 8 14 24 2807.30 -29.84 82.60 324.38 72.49 9 1 12 2207.3 -31.94 74.02
 110.00 1 57 15 4036.72 11.81 153.03 305.40 57.69 3 4 32 3436.7 7.47 146.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6794 TRA 7.0369 TC3 -.9101 BAU 1.0658 SGT 5143.7 SGR 367.4 SG3 85.9 ST 1756.3 SR 345.8 SS 420.8
 RDE .5613 RRA .1924 RC3 -.0053 FAU .00396 RRT .5214 RRF .5053 RTF .9645 CRT .6728 CRS -.5876 CST -.9937
 FDE .2712 FRA 1.4495 FC3 -.0392 BSP 17134 SGB 5156.8 R23 .0006 R13 .9645 LSA 1820.4 MSA 259.0 SSA 10.1
 BDE 1.7707 BRA 7.0396 BC3 .9101 FSP -287 SGI 5147.3 SG2 313.3 THA 2.14 EL1 1771.9 EL2 253.6 ALF 7.71

LAUNCH DATE JAN 7 1966

FLIGHT TIME 206.00

ARRIVAL DATE AUG 1 1966

HELIOCENTRIC CONIC

DISTANCE 593.680

RL 147.10 LAL -0.00 LOL 106.24 VL 25.428 GAL 18.46 AZL 88.94 MCA 318.16 SMA 114.63 ECC .41531 INC 1.0560 V1 30.287
 RP 107.91 LAP -0.70 LOP 64.41 VP 36.082 GAP 24.32 AZP 89.21 TAL 148.78 TAP 106.94 RCA 67.02 APO 162.23 V2 35.117
 RC 221.615 GL 2.52 GP -5.44 ZAL 37.65 ZAP 169.87 ETS 215.43 ZAE 133.47 ETE 185.85 ZAC 149.61 ETC 164.21 CLP 171.44

PLANETOCENTRIC CONIC

C3 102.566 VHL 10.128 DLA 24.24 RAL 66.51 RAD 6570.0 VEL 14.964 PTH 2.70 VHP 15.318 DPA 12.85 RAP 55.44 ECC 2.6880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 56 16 3490.58 -20.71 130.30 325.27 70.25 5 54 27 2890.6 -23.22 122.53
 90.00 0 30 19 4374.10 5.63 181.72 313.71 62.20 1 43 13 3774.1 1.86 175.06
 100.00 6 38 2 3162.49 -23.35 107.17 326.28 70.79 7 30 44 2562.5 -25.76 99.20
 100.00 1 31 14 4177.41 8.09 165.93 312.37 61.13 2 40 52 3577.4 4.18 159.33
 110.00 8 26 17 2823.80 -29.50 83.76 328.59 71.88 9 13 21 2223.8 -31.68 75.24
 110.00 1 59 28 4088.87 13.69 155.90 309.05 58.37 3 7 37 3488.9 9.41 149.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6418 TRA 7.7503 TC3 -.7160 BAU .9817 SGT 5107.6 SGR 353.6 SG3 84.6 ST 1716.3 SR 329.0 SS 431.6
 RDE .5770 RRA .2188 RC3 -.0034 FAU .00266 RRT .5349 RRF .5207 RTF .9703 CRT .6411 CRS -.5644 CST -.9951
 FDE .2639 FRA 1.5575 FC3 -.0224 BSP 17118 SGB 5119.8 R23 -.0000 R13 .9703 LSA 1781.8 MSA 255.0 SSA 9.5
 BDE 1.7403 BRA 7.7534 BC3 .7160 FSP -284 SGI 5111.1 SG2 298.6 THA 2.13 EL1 1729.5 EL2 250.5 ALF 7.16

LAUNCH DATE JAN 7 1966

FLIGHT TIME 208.00

ARRIVAL DATE AUG 3 1966

HELIOCENTRIC CONIC

DISTANCE 595.733

RL 147.10 LAL -.00 LOL 106.24 VL 25.393 GAL 20.51 AZL 89.17 MCA 321.38 SMA 114.45 ECC .44063 INC .8278 V1 30.287
 RP 107.87 LAP -.52 LOP 67.62 VP 36.069 GAP 25.95 AZP 89.35 TAL 147.84 TAP 109.22 RCA 64.02 APO 164.88 V2 35.130
 RC 223.050 GL 1.79 GP -5.39 ZAL 36.32 ZAP 168.92 ETS 212.06 ZAE 133.15 ETE 185.75 ZAC 151.55 ETC 163.13 CLP 170.30

PLANETOCENTRIC CONIC

C3 120.991 VHL 11.000 CLA 23.72 RAL 68.04 RAD 6570.3 VEL 15.567 PTH 2.77 VMP 16.300 DPA 13.47 RAP 57.47 ECC 2.9912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 30 3496.17 -20.58 130.66 329.22 70.11 6 8 46 2896.2 -23.11 122.90
 90.00 0 28 18 4436.37 7.59 185.24 316.99 62.64 1 42 14 3836.4 3.87 178.55
 100.00 6 50 55 3172.39 -23.13 107.82 330.20 70.52 7 43 47 2572.4 -25.57 99.88
 100.00 1 30 34 4235.37 9.98 169.20 315.71 61.68 2 41 9 3635.4 6.12 162.54
 110.00 8 37 12 2839.87 -29.15 84.89 332.52 71.30 9 24 32 2239.9 -31.42 76.42
 110.00 2 0 46 4140.67 15.52 158.80 312.49 59.16 3 9 47 3540.7 11.32 152.22

DIFFERENTIAL CORRECTIONS

TDE 1.6106 TRA 8.5308 TC3 -.5414 BAU .8758
 RDE .5922 RRA .2449 RC3 -.0013 FAU .00112
 FDE .2586 FRA 1.6786 FC3 -.0080 BSP 17069
 BDE 1.7160 BRA 8.5343 BC3 .5414 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 5067.5 SGR 338.5 SG3 83.3
 RRT .5471 RRF .5349 RTF .9757
 SGB 5078.8 R23 -.0006 R13 .9757
 SG1 5070.9 SG2 283.2 TMA 2.10

ORBIT DETERMINATION ACCURACY

ST 1680.8 SR 311.3 SS 445.9
 CRT .6109 CR5 -.5431 CST -.9963
 LSA 1749.0 MSA 248.6 SSA 8.9
 EL1 1691.8 EL2 244.9 ALF 6.59

LAUNCH DATE JAN 7 1966

FLIGHT TIME 210.00

ARRIVAL DATE AUG 5 1966

HELIOCENTRIC CONIC

DISTANCE 596.919

RL 147.10 LAL -.00 LOL 106.24 VL 25.361 GAL 22.82 AZL 89.43 MCA 324.60 SMA 114.29 ECC .46949 INC .5650 V1 30.287
 RP 107.84 LAP -.33 LOP 70.84 VP 36.057 GAP 27.83 AZP 89.54 TAL 147.13 TAP 111.73 RCA 60.63 APO 167.94 V2 35.141
 RC 224.456 GL 1.10 GP -5.34 ZAL 35.21 ZAP 167.83 ETS 208.99 ZAE 132.71 ETE 185.63 ZAC 153.37 ETC 161.92 CLP 169.06

PLANETOCENTRIC CONIC

C3 143.875 VHL 11.995 DLA 23.19 RAL 69.32 RAD 6570.6 VEL 16.285 PTH 2.85 VMP 17.430 DPA 14.04 RAP 59.41 ECC 3.3678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 24 3501.91 -20.45 131.03 332.85 69.98 6 21 46 2901.9 -23.00 123.28
 90.00 0 25 37 4496.94 9.47 188.70 320.03 63.19 1 40 34 3896.9 5.80 181.95
 100.00 7 2 37 3181.97 -22.91 108.45 333.80 70.25 7 55 39 2582.0 -25.39 100.53
 100.00 1 29 5 4292.12 11.80 172.43 318.81 62.33 2 40 37 3692.1 8.00 165.70
 110.00 8 47 4 2855.20 -28.81 85.95 336.12 70.75 9 34 40 2255.2 -31.16 77.54
 110.00 2 1 7 4191.66 17.28 161.71 315.70 60.04 3 10 59 3591.7 13.17 155.01

DIFFERENTIAL CORRECTIONS

TDE 1.5883 TRA 9.3879 TC3 -.3858 BAU .7421
 RDE .6072 RRA .2699 RC3 .0008 FAU -.00073
 FDE .2557 FRA 1.8150 FC3 .0044 BSP 17003
 BDE 1.7004 BRA 9.3918 BC3 .3858 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 5023.3 SGR 322.2 SG3 82.2
 RRT .5577 RRF .5474 RTF .9804
 SGB 5033.6 R23 -.0011 R13 .9804
 SG1 5026.5 SG2 267.3 TMA 2.05

ORBIT DETERMINATION ACCURACY

ST 1648.8 SR 293.1 SS 464.1
 CRT .5828 CR5 -.5240 CST -.9973
 LSA 1721.1 MSA 239.9 SSA 8.3
 EL1 1657.8 EL2 236.9 ALF 6.04

LAUNCH DATE JAN 7 1966

FLIGHT TIME 212.00

ARRIVAL DATE AUG 7 1966

HELIOCENTRIC CONIC

DISTANCE 596.978

RL 147.10 LAL -.00 LOL 106.24 VL 25.331 GAL 25.44 AZL 89.74 MCA 327.82 SMA 114.14 ECC .50249 INC .2563 V1 30.287
 RP 107.80 LAP -.14 LOP 74.07 VP 36.048 GAP 30.01 AZP 89.78 TAL 146.70 TAP 114.52 RCA 56.79 APO 171.49 V2 35.153
 RC 225.834 GL .45 GP -5.29 ZAL 34.35 ZAP 166.60 ETS 206.18 ZAE 132.13 ETE 185.50 ZAC 155.05 ETC 160.60 CLP 167.67

PLANETOCENTRIC CONIC

C3 172.583 VHL 13.137 DLA 22.66 RAL 70.33 RAD 6570.9 VEL 17.144 PTH 2.94 VMP 18.740 DPA 14.55 RAP 61.23 ECC 3.8403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 55 3507.34 -20.32 131.38 336.10 69.85 6 33 22 2907.3 -22.89 123.64
 90.00 0 22 9 4555.54 11.25 192.09 322.79 63.84 1 38 5 3955.5 7.64 185.27
 100.00 7 13 4 3190.84 -22.70 109.03 337.04 70.02 8 6 15 2590.8 -25.22 101.13
 100.00 1 26 41 4347.28 13.52 175.62 321.63 63.08 2 39 8 3747.3 9.80 168.81
 110.00 8 55 48 2869.44 -28.49 86.93 339.35 70.25 9 43 38 2269.4 -30.91 78.57
 110.00 2 0 26 4241.44 18.95 164.60 318.63 61.00 3 11 8 3641.4 14.94 157.78

DIFFERENTIAL CORRECTIONS

TDE 1.5830 TRA10.3354 TC3 -.2473 BAU .5706
 RDE .6221 RRA .2928 RC3 .0028 FAU -.00307
 FDE .2566 FRA 1.9703 FC3 .0154 BSP 16822
 BDE 1.7009 BRA10.3396 BC3 .2473 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 4976.0 SGR 304.7 SG3 81.1
 RRT .5663 RRF .5577 RTF .9847
 SGB 4985.3 R23 -.0016 R13 .9847
 SG1 4979.0 SG2 251.0 TMA 1.99

ORBIT DETERMINATION ACCURACY

ST 1620.1 SR 274.5 SS 487.3
 CRT .5581 CR5 -.5079 CST -.9981
 LSA 1698.5 MSA 229.3 SSA 7.7
 EL1 1627.4 EL2 226.7 ALF 5.51

LAUNCH DATE JAN 7 1966

FLIGHT TIME 214.00

ARRIVAL DATE AUG 9 1966

HELIOCENTRIC CONIC

DISTANCE 595.560

RL 147.10 LAL -.00 LOL 106.24 VL 25.306 GAL 28.44 AZL 90.11 MCA 331.05 SMA 114.01 ECC .54029 INC .1108 V1 30.287
 RP 107.77 LAP .05 LOP 77.29 VP 36.041 GAP 32.57 AZP 90.10 TAL 146.62 TAP 117.67 RCA 52.41 APO 175.62 V2 35.164
 RC 227.182 GL -.17 GP -5.24 ZAL 33.77 ZAP 165.17 ETS 203.58 ZAE 131.38 ETE 185.34 ZAC 156.55 ETC 159.19 CLP 166.11

PLANETOCENTRIC CONIC

C3 208.984 VHL 14.456 DLA 22.12 RAL 71.04 RAD 6571.2 VEL 18.174 PTH 3.02 VMP 20.268 DPA 15.01 RAP 62.88 ECC 4.4394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 59 3511.94 -20.22 131.67 338.94 69.74 6 43 31 2911.9 -22.79 123.95
 90.00 0 17 44 4611.92 12.92 195.39 325.22 64.58 1 34 36 4011.9 9.39 188.48
 100.00 7 22 10 3198.56 -22.52 109.53 339.85 69.81 8 15 29 2598.6 -25.07 101.66
 100.00 1 23 14 4400.54 15.14 178.75 324.12 63.91 2 36 35 3800.5 11.51 171.84
 110.00 9 3 17 2882.22 -28.19 87.81 342.16 69.81 9 51 19 2282.2 -30.67 79.49
 110.00 1 58 36 4289.65 20.51 167.47 321.24 62.04 3 10 6 3689.6 16.61 160.51

DIFFERENTIAL CORRECTIONS

TDE 1.5905 TRA11.3744 TC3 -.1273 BAU .3559
 RDE .6368 RRA .3113 RC3 .0045 FAU -.00599
 FDE .2602 FRA 2.1456 FC3 .0248 BSP 16743
 BDE 1.7133 BRA11.3787 BC3 .1274 FSP -268

MID-COURSE EXECUTION ACCURACY

SGT 4920.9 SGR 285.7 SG3 80.1
 RRT .5711 RRF .5640 RTF .9883
 SGB 4929.2 R23 -.0020 R13 .9883
 SG1 4923.6 SG2 234.4 TMA 1.90

ORBIT DETERMINATION ACCURACY

ST 1590.3 SR 255.6 SS 515.0
 CRT .5352 CR5 -.4929 CST -.9987
 LSA 1677.0 MSA 217.1 SSA 7.1
 EL1 1596.2 EL2 215.1 ALF 5.01

LAUNCH DATE JAN 7 1966

FLIGHT TIME 216.00

ARRIVAL DATE AUG 11 1966

HELIOCENTRIC CONIC

DISTANCE 592.196

RL 147.10 LAL -1.00 LOL 106.24 VL 25.285 GAL 31.91 AZL 90.57 MCA 334.27 SMA 113.91 ECC .58360 INC .5654 V1 30.287
 RP 107.74 LAP .25 LOP 80.52 VP 36.036 GAP 35.59 AZP 90.51 TAL 146.98 TAP 121.25 RCA 47.43 APO 180.39 V2 35.174
 RC 228.500 GL -1.76 GP -5.18 ZAL 33.51 ZAP 163.51 ETS 201.17 ZAE 130.41 ETE 185.15 ZAC 157.84 ETC 157.76 CLP 164.33

PLANETOCENTRIC CONIC

C3 255.654 VHL 15.989 DLA 21.58 RAL 71.40 RAO 6571.5 VEL 19.416 PTH 3.10 VHP 22.061 OPA 15.41 RAP 64.32 ECC 5.2074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 29 3515.16 -20.14 131.88 341.29 69.66 6 52 4 2915.2 -22.73 124.16
 90.00 0 12 10 4665.89 14.47 198.59 327.25 65.39 1 29 56 4065.9 11.03 191.60
 100.00 7 29 47 3204.65 -22.38 109.93 342.18 69.65 8 23 12 2604.6 -24.95 102.07
 100.00 1 18 33 4451.64 16.64 181.80 326.20 64.80 2 32 44 3851.6 13.11 174.79
 110.00 9 9 22 2893.08 -27.93 88.55 344.47 69.44 9 57 35 2293.1 -30.47 80.27
 110.00 1 55 27 4335.96 21.97 170.27 323.45 63.13 3 7 43 3736.0 18.18 163.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6235 TRA12.5179 TC3 -.0234 BAU .0822 SGT 4859.2 SGR 265.5 SG3 79.1 ST 1559.7 SR 236.6 SS 548.6
 ROE .6518 RRA .3241 RC3 .0058 FAU-.00980 RRT .5712 RRF .5653 RTF .9913 CRT .5152 CRS -.4800 CST -.9991
 FDE .2690 FRA 2.3455 FC3 .0332 BSP 16625 SGB 4866.5 R23 -.0024 R13 .9913 LSA 1657.7 MSA 203.8 SSA 6.5
 BDE 1.7495 BRA12.5221 BC3 .0241 FSP -266 SGI 4861.6 SG2 217.8 TMA 1.79 ELI 1564.5 EL2 202.1 ALF 4.54

LAUNCH DATE JAN 7 1966

FLIGHT TIME 218.00

ARRIVAL DATE AUG 13 1966

HELIOCENTRIC CONIC

DISTANCE 586.268

RL 147.10 LAL -1.00 LOL 106.24 VL 25.271 GAL 35.96 AZL 91.14 MCA 337.50 SMA 113.84 ECC .63306 INC 1.1386 V1 30.287
 RP 107.71 LAP .44 LOP 83.74 VP 36.036 GAP 39.17 AZP 91.05 TAL 147.90 TAP 125.39 RCA 41.77 APO 185.91 V2 35.184
 RC 229.788 GL -1.31 GP -5.11 ZAL 33.62 ZAP 161.58 ETS 198.92 ZAE 129.17 ETE 184.94 ZAC 158.87 ETC 156.41 CLP 162.28

PLANETOCENTRIC CONIC

C3 316.129 VHL 17.780 DLA 21.02 RAL 71.37 RAO 6571.8 VEL 20.915 PTH 3.19 VHP 24.177 OPA 15.75 RAP 65.50 ECC 6.2027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 17 3516.42 -20.11 131.96 343.08 69.63 6 58 53 2916.4 -22.70 124.25
 90.00 0 5 8 4717.33 15.91 201.68 328.79 66.26 1 23 45 4117.3 12.57 194.60
 100.00 7 35 45 3208.56 -22.29 110.18 343.95 69.55 8 29 14 2608.6 -24.87 102.33
 100.00 1 12 21 4500.42 18.03 184.75 327.81 65.75 2 27 21 3900.4 14.61 177.64
 110.00 9 13 52 2901.58 -27.73 89.13 346.21 69.16 10 2 14 2301.6 -30.30 80.88
 110.00 1 50 42 4380.17 23.30 173.01 325.18 64.25 3 3 43 3780.2 19.64 165.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.6916 TRA13.7674 TC3 .0652 BAU .2771 SGT 4789.5 SGR 244.1 SG3 78.2 ST 1526.5 SR 217.7 SS 588.9
 ROE .6674 RRA .3271 RC3 .0067 FAU-.01485 RRT .5640 RRF .5591 RTF .9937 CRT .4981 CRS -.4688 CST -.9994
 FDE .2849 FRA 2.5736 FC3 .0407 BSP 16452 SGB 4795.7 R23 -.0028 R13 .9937 LSA 1639.6 MSA 189.7 SSA 5.9
 BDE 1.8185 BRA13.7712 BC3 .0656 FSP -263 SGI 4791.5 SG2 201.4 TMA 1.65 ELI 1530.4 EL2 188.3 ALF 4.13

LAUNCH DATE JAN 7 1966

FLIGHT TIME 220.00

ARRIVAL DATE AUG 15 1966

HELIOCENTRIC CONIC

DISTANCE 576.997

RL 147.10 LAL -1.00 LOL 106.24 VL 25.285 GAL 40.72 AZL 91.89 MCA 340.72 SMA 113.81 ECC .68899 INC 1.8933 V1 30.287
 RP 107.68 LAP .63 LOP 86.97 VP 36.041 GAP 43.46 AZP 91.79 TAL 149.49 TAP 130.21 RCA 35.40 APO 192.22 V2 35.194
 RC 231.045 GL -1.82 GP -5.02 ZAL 34.17 ZAP 159.30 ETS 196.81 ZAE 127.59 ETE 184.68 ZAC 159.58 ETC 155.27 CLP 159.89

PLANETOCENTRIC CONIC

C3 395.201 VHL 19.880 DLA 20.44 RAL 70.88 RAO 6572.1 VEL 22.727 PTH 3.27 VHP 26.680 OPA 16.01 RAP 66.33 ECC 7.3040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 10 3515.07 -20.14 131.87 344.22 69.67 7 3 45 2915.1 -22.73 124.16
 90.00 23 52 21 4766.26 17.23 204.67 329.77 67.17 25 11 47 4166.3 13.99 197.49
 100.00 7 29 52 3209.72 -22.26 110.25 345.06 69.52 8 33 22 2609.7 -24.85 102.41
 100.00 1 4 16 4546.84 19.30 187.61 328.84 66.72 2 20 3 3946.8 15.99 180.59
 110.00 9 16 34 2907.17 -27.59 89.50 347.29 68.97 10 5 1 2307.2 -30.19 81.28
 110.00 1 44 4 4422.15 24.52 175.67 326.34 65.40 2 57 46 3822.2 20.99 168.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8072 TRA15.1109 TC3 .1392 BAU .7365 SGT 4709.5 SGR 221.6 SG3 77.4 ST 1488.5 SR 199.3 SS 637.0
 ROE .6841 RRA .3159 RC3 .0070 FAU-.02163 RRT .5459 RRF .5417 RTF .9955 CRT .4832 CRS -.4587 CST -.9996
 FDE .3104 FRA 2.8326 FC3 .0474 BSP 16167 SGB 4714.7 R23 -.0031 R13 .9955 LSA 1621.9 MSA 175.4 SSA 5.4
 BDE 1.9323 BRA15.1142 BC3 .1394 FSP -260 SGI 4711.1 SG2 185.6 TMA 1.47 ELI 1491.7 EL2 174.1 ALF 3.75

